CURRICULUM VITAE

Gabriel Rabinovich (2023)

1. PERSONAL INFORMATION

Name: Gabriel Adrián Rabinovich, Ph.D
Contact Information: Laboratory of Glycomedicine,
Institute of Biology and Experimental Medicine (IBYME),
National Council for Scientific and Technological Investigations (CONICET),
Vuelta de Obligado 2490- C1428- Ciudad de Buenos Aires-Argentina
TE: (54-11) 4783-2869 (ext. 1266).
Cell Phone: +54-9-11-21614776
E-mail: gabriel.r@ibyme.conicet.gov.ar; gabyrabi@gmail.com
Identification # (CUIL): 20-20621393-1

2. BRIEF PERSONAL STATEMENT

➢For more than 30 years, I have investigated the role of glycans and glycan-binding proteins in mediating cellular processes central to immune regulation and human diseases. We demonstrated that endogenous galectins can translate glycan-encoded information into novel regulatory programs that control tumor immunity, promote resolution of autoimmune inflammation, induce fetomaternal tolerance, sustain blood vessel formation and control host-pathogen interactions. We share the common goal of performing fundamental research as well as preclinical validation of immunotherapeutic targets contributing with new findings that bridge the gap between glycobiology, immunology, and cancer biology.

3. PRESENT POSITION

►Head Laboratory of Glycomedicine and Immunopathology, Institute of Biology and Experimental Medicine (IBYME), Buenos Aires, Argentina.
►Senior Investigator, National Council of Scientific and Technical Investigations (CONICET), Buenos Aires, Argentina
► Professor of Immunology, Faculty of Exact and Natural Sciences, University of Buenos Aires, Argentina
►Leader Glycoscience Program, IBYME, Buenos Aires, Argentina
►Co-founder and Scientific Leader GALTEC (Galectin-based Technologies) (2022).

4. ACADEMY MEMBERSHIP

► Elected Member of the **Argentinean Academy of Science** (2011, Argentina)
► **Elected Member of the US National Academy of Sciences (NAS, USA) (2016; Washington DC)**
► **Elected Member of the World Academy of Sciences (TWAS; 2017 Trieste, Italy)**
► Elected Member of the **Latin American Academy of Science** (2017, Venezuela)
► Elected Member of the **Cordoba Academy of Medicine** (2017, Córdoba, Argentina)
► Elected Member of the **National Academy of Exact and Natural Sciences** (2021, Buenos Aires, Argentina)
► Elected Member at **EMBO** (European Molecular Biology Organization) (2022; Heidelberg, Germany)

5. EDUCATION AND PROFESSIONAL EMPLOYMENT

►1993 MSc, Biochemistry, Faculty of Chemical Sciences, National University of Córdoba, Argentina
►1996 Training Molecular Immunology, Weizmann Institute of Science, Rehovot Israel.
►1997 Training Molecular Biology Unit, Kennedy Institute of Rheumatology, Imperial College, London, UK
►1999 Ph.D. in Immunology, Glycosciences Program, Faculty of Chemical Sciences, National University of Córdoba, Argentina
►1999-2001 Post-doctoral Fellow School of Medicine, University of Buenos Aires, Argentina
►2001-2004 Associate Investigator (National Council Research CONICET, Argentina)
►2004-2009 Independent Investigator (National Council Research CONICET)
►2009-2014 Principal Investigator (National Council Research CONICET, Argentina)
►2014-present Senior Investigator and Chair (National Council Research CONICET, Argentina)
►2009-2020 Deputy Director, Institute of Biology and Experimental Medicine-Buenos Aires, Argentina.
►2009-2020 Elected Member of the Council, Institute of Biology and Experimental Medicine, Buenos Aires
►2009-present Director of the Glycoscience Program, Institute of Biology and Experimental Medicine, BA.

6. HONORS AND AWARDS (Selection)

►1993. Gold Medal University Award, National University of Córdoba, Argentina.
►1997. Journal of Biochemistry Award. Best paper of the year, Tokyo, Japan.
►1998. The Young Outstanding Scientist of Latin America (SBBq; Rio de Janeiro, Brazil
►2000. Leon Cherny Award to the best multidisciplinary work, Society of Clinical Investigation, Argentina.
►2000. Luis Federico Leloir Award to the best PhD thesis work, School of Exact and Natural Sciences, University of Buenos Aires
►2001. Leonardo Satz Award Argentinean Immunology Society, First Prize Buenos Aires, Argentina.
►2002. Cesar Milstein Award in Immunology, Buenos Aires, Argentina.
►2004. Leonardo Satz Award, Argentinean Society of Immunology, First Prize, Argentina.
►2004. Bernardo Houssay Award, Secretary of Science and Technology, Government of Argentina, Argentina
►2004 Adjunct Visiting Professor, University of Maryland, Baltimore, USA.
►2005. Mizutani Foundation for Glycosciences Award (Tokyo, Japan)
►2005. Bunge & Born Young Award in Biochemistry (Buenos Aires, Argentina).
►2006. The John Simon Guggenheim Memorial Foundation Award (New York, USA).
►2007. Cancer Immunology Award (Cancer Research Institute, New York, USA).
►2008. Visiting Professor University of Miami, Center of Diabetes Research, Miami, USA.
►2008. First Prize Leonardo Satz, Argentinean Society of Immunology, Argentina.
►2008. First Prize Florencio Fiorini and University El Salvador, Glycoimmunology, Buenos Aires, Argentina.
►2008. First Prize Bauer, Inflammation and Trauma Meeting, Munchen, Germany
►2009. First Prize Leon Cherny to Multidisciplinary Work, Society of Clinical Investigation, Argentina.
►2009. First Prize Ranwell Caputto in Biology, National Academy of Sciences, Argentina.
►2010. Bernardo Houssay Award in Biochemistry, Ministry of Science, Argentina.
►2011. The Third World Academy of Science (TWAS) Prize in Medical Sciences (Trieste, Italy) given annually to the most outstanding scientist in Medical Research in developing countries.
►2011. Chair First Keystone Symposium "New Frontiers in Immunity and Glycobiology" (Lake Louis, Canada)
►2011. Visiting Professor University of Paris
►2011. Mizutani Foundation for Glycosciences Award (Tokyo, Japan)

►2012. First Prize Farina de Raveglia, Society of Clinical Investigation, Argentina.
►2012. First Prize Baron Foundation in Biomedical Research, National Academy of Medicine, Argentina
►2014. Bunge & Born Award to the Most Oustanding Scientist in Biomedical Research in Argentina.
►2014. Platinum Konex Award in Medicine to the Outstanding Scientist of the Decade in Argentina.
►2014. Oscar Orías Award, Society of Biology, Córdoba, Argentina.
►2014. Distinguished Lecturer Award, Weill Cornell University, New York, USA.
►2014. Honorary Citizen of Buenos Aires- Legislature- Government of the City of Buenos Aires, Argentina.
►2014. Panamerican Biochemistry and Molecular Biology (PABMB) Lecture Award, Puerto Varas, Chile.
►2014. Honorary Member, Royal College of Physicians of UK, Faculty of Pharmaceutical Medicine, London.
►2014. Doctor *Honoris Causa*, National University of Cordoba, Argentina.
►2015. Fiorini Prize to the Best work in Oncology, Buenos Aires, Argentina.
►2016. Member of the International Committee Keystone Symposia (USA).
►2016. First Prize in Pharmacology, Center of Pharmaceutical Chemistry (CEDIQUIFA), Argentina.
►2016. Doctor *Honoris Causa* Catholic University of Córdoba, Argentina.
►2016-present. Member Latin American Committee American Association of Cancer Research (USA)
►2017. First Prize "The Investigator of the Nation in Argentina" The most important award given annually by the Argentinean Government to an oustanding scientist across all disciplines. Buenos Aires, Argentina.
►2017. First Prize Bernardo Houssay in Medical Research, Buenos Aires, Argentina.
►2017. American Association of Immunologists (AAI) Carreer in Immunologists Award, Rockville, MD, USA.
►2017. First Prize Cherny to the Best Multidisciplinary Work, Society of Clinical Investigation- Buenos Aires.
►2018. First Prize Outstanding Scientist of the Year, Argentinean Academy of Exact and Natural Sciences,
►2018. Domingo F. Sarmiento Award, given by The Senate of Argentina for Excellence in Science.
►2018. Doctor *Honoris Causa* University Caece, Buenos Aires, Argentina.
►2018. Chair Latin American Congress American Association of Cancer Research (Sao Paulo, Brazil 2018)
►2019. Doctor *Honoris Causa,* National University of Mar del Plata, Argentina.
►2019. First Prize Argentinean Society of Clinical Oncology "*Galectins in tumor immunity*", Buenos Aires,
►2019. First Prize *Carlos Udaondo* "*Glycans in intestinal immunity*", Argentinean Academy of Medicine,
►2019. First Prize *Fiorini* University El Salvador, Buenos Aires, Argentina
►2020. First Prize *Eduardo Charreau* in recognition of Scientific Excellence and Scientific Cooperation in Latin America, Spain and Portugal. Madrid (OEI, Iberoamerican States Organization, Interciencia, AAPC).
►2021 Designated Member of the National Academy of Exact and Natural Sciences, Argentina
►2021 Designated Member of the Organizing Committee of the International Congress of Immunology (IUIS; South Africa)
►2021 Designated Honorary Member British Society of Immunology
►2021 Designated Member of the Organizing Committee of the American Association of Cancer Research (AACR)
►2021 Recognized among the 200 Outstanding People of the University of Buenos Aires (200 Years of UBA).
►2021 Miguel Lillo Award, Society of Biology, Tucumán, Argentina

►2021 First Prize LALCEC- Fiorini- on Cancer (Liga Argentina de Lucha contra el Cáncer) for the work of Cagnoni et al

►2021 First Prize Farina de Raveglia in Cancer (Argentinean Society of Clinical Investigation) for the work of Blidner et al

►2021 First Prize Cherny for the Best Multidisciplinary Work (Argentinean Society of Clinical Investigation) for the work of Perrotta et al

►2021 First Prize Bioinformatics (Argentinean Society of Clinical Investigation) for the work of Merlo et al

►2021 Distinguished by the Senate of the Nation (Argentina) for the studies of Cagnoni et al, (PNAS 2021) and Morosi et al (Science Adv 2021)

►2022 Elected Associate Member at **EMBO** (European Molecular Biology Organization) (Heidelberg, Germany 2022)
►2022 **Karl Meyer Lectureship Award** (Society for Glycobiology) (USA)
►2022 First Prize Gador for the Best Multidisciplinary Work in Immuno-Oncology (Argentinean Society of Clinical Investigation) for the work of Bannoud et al

►2022 First Prize "**Eugenia Sacerdote de Lustig**" for the Work "Technologies applied for the COVID-19 Pandemia" for the COVID-T plataform (Argentinean Society of Clinical Investigation) for the work of Manselle Cocco et al

►2022 Distinguished among 2% Top highly cited researchers in the world (Ranking Stanford University)
►2022 **Life Time Achievement Award** (50° Anniversary, Argentinean Society of Immunology)

►2023 **Konex Awards (Honor Diploma).**

►2023 **Doctor Honoris Causa Universidad Nacional de La Plata** (La Plata) (Argentina)
►2023 **Doctor Honoris Causa Universidad Nacional de La República** (Montevideo) (Uruguay)
►2023 **Bonorino Udaondo Award, National Academy of Medicine** (Buenos Aires) (Argentina)}

7. EDITORIAL RESPONSIBILITIES AND AD-HOC REVIEWER

►Associate Editor *Emerging Infectious Diseases* (2002-2017)
►Associate Editor *Journal of Immunotherapy of Cancer* (2016-present)
►Associate Editor *Science Advances* (Science Magazine (www.sciencemag.org) (2019- present)
►Section Editor *Journal of Leukocyte Biology* (2020-2022)
►Associate Editor *Journal of Leukocyte Biology* (2022-present)
►Handling Editor for *PNAS* (2016-present)
►Guest Editor Special Issue "Glycans in Vascular Biology" in *Glycobiology* (2014)
►Guest Editor Special Issue "Lectins in Angiogenesis" *in Glycobiology* (2015)
►Guest Editor Special Issue *Annals NY Acad Sci* "Glycobiology of Immune Responses" (2010)
►Guest Editor Special Issue *Cytokines Growth Factor Rev* "Cytokines coming of age in South America" (2006)
►Guest Editor Special Issue "Glycans in Immunity" *Seminars in Immunology* " (In preparation)
►Member of the Editorial Board of *Glycobiology* (2011-2015, renewed 2016-2020)
►Member of the Editorial Board of *Cancer Immunology Research (2013-present)*
►Member of the Editorial Board of *Oncoimmunology (2011-present)*
►Member of the Editorial Board of *Cancer Immunology and Immunotherapy (2011-present)*
►Member of the Editorial Board of *Celll Death and Differentiation (2006-2018)*
►Member of the Editorial Board of *Cell Death and Disease (2018-present)*
►Member of the Editorial Board of *Scientific Reports (2014-present)*
►Member of the Editorial Board of *Immunotherapy Advances (2020-present)*
►Member of the Editorial Board of *Immunology & Cell Biology (2009-2016)*
►Member of the Editorial Board of *Oncotarget (2015-2018)*
►Member of the Editorial Board of *European Journal of Inflammation (2003-2007)*
►Member of the Editorial Board of *Clinical Translational Oncology (2018-present)*

► Ad-hoc reviewer for *Nature, Science, Cell, Cancer Cell, Nat Med, Sci Transl Med, Glycoconj J, Sci Adv, Sci Adv, Nat Commun, Nat Biomed Engineer, Nat Immunol, Immunity, PNAS, Trends Glycosci Glycotechnol, Cell Rep, Blood, J Exp Med, EMBO J, Oncoimmunology, J Immunol, Glycobiology,Cancer Res, Clin Cancer Res, J Biol Chem,, FASEB J, EMBO J, EMBO Rep, J Clin Invest, Blood, J Natl Cancer Inst, Front Immunol, Front Microbiol, Oncogene, Neoplasia, Plos Pathogens, Cell Death Differ, Nat Rev Cancer, Trends Immunol, Trends Mol Med, Dev Comp Immunol, BBA, Cancer Immunol Immunother, J Immunother Cancer, Cancer Immunol Res, Cell Immunol, Curr Opin Immunol, Trends Biotechnol, Sci Signal, Stem Cells, J Leukoc Biol, Mol Cell Biol, Arthritis Rheumatol, Exp Cell Res, Mol Immunol, Biochem J, Ann NY Acad Sci, Am J Pathol, Br J Pharmacol, Mol Pharmacol, Glia, Scand J Rheumatol, Biochimie, Immunol Cell Biol, Tissue Antigens, J Cell Mol Med, Bioorg Med Chem, Prot Exp Purif, Ann Rheum Dis, Mol Cancer, Mol Cancer Ther, J Immunother, Clin Exp Immunol, J Cell Physiol, J Clin Immunol, J Pathol, Cancer Immunol Immunother, Plos Neg Trop Dis, Tissue Barr, Sci Rep, Front Pharmacol, Angiogenesis, Nat Rev Urol., Front Microbiol, J Extracell Ves, J Biol Chem, Nat Immunol (among others)*

8. LIST OF PUBLICATIONS (Total: 323)

Please find below: a) a list of selected publications (8.1), b) a complete list of original peer-reviewed publications (8.2); and c) a list of peer-reviewed invited publications (8.3)

Total citations (Google Scholar, 40200, h=92; September 2023)

8.1. SELECTED ARTICLES (25 out of 315) in chronological order

►1. Recombinant galectin-1 and its genetic delivery suppress collagen-induced arthritis via T-cell apoptosis.
Gabriel A. Rabinovich, Gordon Daily, Hanna Dreja, Hitakshi Tailor, Clelia Riera, Jun Hirabayashi, Yuti Chernajovsky.
J Exp Med (1999) 190: 385-398.
Highlighted in Nature (August 1999) (https://www.nature.com/articles/news990812-4)

►2. Targeted inhibition of galectin-1 gene expression in tumor cells results in heightened T-cell-mediated rejection: a potential mechanism of tumor-immune privilege
Natalia Rubinstein, Mariano Alvarez, Norberto Zwirner, Marta Toscano, Juan M. Ilarregui, Alicia Bravo, José Mordoh, Leonardo Fainboim, Osvaldo Podhajcer, Gabriel Rabinovich
Cancer Cell (2004) 5: 241-251
Selected for the Cover of Cancer Cell "The sweet kiss of death: Galectin-1 and tumor escape"
Highlighted by Nature Rev Cancer (2004) 4:328.

►3. A pivotal role for galectin-1 in feto-maternal tolerance
Sandra M. Blois, Juan M. Ilarregui, Mareike Tometten, Mariana García, Arif Suphi Orsal, Rosalia Cordo-Russo, Marta A Toscano, Germán Bianco, Bori Handjiski, Irene Tirado, Udo R. Markert, Francoise Poirier, Julia Szekeres-Bartho, Petra C Arck*, Gabriel Rabinovich* (* shared co-senior authorship)
Nature Med (2007) 13:1450-1457.
-Highlighted as feature article in Nature
-Research Highlight in Nature Rev Immunol (January 2008)

►4. Differential glycosylation of Th1, Th2 and Th17 effector cells selectively regulates susceptibility to cell death

Marta A. Toscano, Germán A. Bianco, Juan M. Ilarregui, Diego Croci, Jorge Correale, Joseph Hernandez, Norberto W. Zwirner, Francoise Poirier, Eleanor Riley, Linda G. Baum, Gabriel A. Rabinovich
Nature Immunol (2007) 8: 825 - 834
-Highlighted as feature article in Nature (July 2007)
-Research Highlight in Nature Rev Immunol (July 2007)
-Highlighted in Faculty of 1000 biology (Must Read; Top 10 articles)

►5. Tolerogenic signals delivered by dendritic cells to T cells via a galectin-1-driven immunoregulatory circuit involving IL-27- and IL-10
Juan M. Ilarregui, Diego O. Croci, Germán A. Bianco, Marta Toscano, Mariana Salatino, Mónica Vermeulen, Jorge Geffner, Gabriel Rabinovich
Nature Immunol (2009) 10: 981 – 991.
-Highlighted in 1000 Faculty of Biology
-Selected among Top 10 Articles published in Nature Immunol

►6. Galectin-1 deactivates classically-activated microglia and protects from inflammation-induced neurodegeneration
Sarah C. Starossom, Ivan D. Mascanfroni, Jaime Imitola, Li Cao, Khadir Raddassi, Silvia F. Hernandez, Ribal Bassil, Diego O. Croci, Juan P. Cerliani, Delphine Delacour, Yue Wang, Wassim Elyaman, Samia J. Khoury, Gabriel A. Rabinovich,
Immunity (2012) 37:249-263
-"Editor Choice" (Science 2012; 337:801)
- Feature Article in Immunity (Galectin-1 for neuroprotection:, Immunity (2012) 37:187-9.
-Highlighted in F1000 Faculty of Biology as Must Read.

►7. Disrupting galectin-1 interactions with N-glycans suppresses hypoxia-driven angiogenesis and tumorigenesis in Kaposi's sarcoma
Diego O. Croci , Mariana Salatino, Natalia Rubinstein, Juan P. Cerliani, Lucas Cavallin, Howard J. Leung, Jing Ouyang, Juan M. Ilarregui, Marta A. Toscano, Carolina Domaica, María C. Croci, Enrique Mesri, Adriana Albini and Gabriel Rabinovich
J Exp Med (2012) 209: 1985-2000.
-Highlighted in the Cover of JEM "Gagging Gal-1 in Kaposi sarcoma"

►8. A unique galectin signature in human prostate cancer progression suggests galectin-1 as a key target for treatment of advanced disease
Diego Laderach, Lucas Gentilini, Laura Giribaldi, Victor Cardenas Delgado, Lorena Nugnes, Diego Croci, Nader Al Nakouzi, Paula Sacca, Jeff Kutok, Gabriel Casas, Osvaldo Mazza, Elba Vazquez, Anne Chauchereau, Scott Rodig, María T Elola, Daniel Compagno and Gabriel Rabinovich
Cancer Res (2013) 73:86-96.
-Highlighted in the Cover of Cancer Research.
-Highlighted with a Commentary in Nature Rev Urol 2012

►9. Targeting galectin-1 overcomes breast cancer associated immunosuppression and prevents metastatic disease

Tomás Dalotto Moreno , Diego O. Croci , Juan P. Cerliani , Verónica C. Martínez Allo , Sebastián Dergan-Dylon, Santiago P. Méndez Huergo , Juan Carlos Stupirski, Daniel Mazal , Eduardo Osinaga , Marta A. Toscano,. Victoria Sundblad, Mariana Saflatino* Gabriel A. Rabinovich* (*co-seniors)
Cancer Res (2013) 73: 1107–1117.
Highlighted in the Cover of Cancer Res

►10. Glycosylation-dependent lectin-receptor interactions preserve angiogenesis in anti-VEGFrefractory tumors
Diego O. Croci , Juan P. Cerliani, Tomas Dalotto Moreno, Santiago P. Méndez-Huergo, Iván Mascanfroni, L. Sebastian-Dergan Dylon, Marta Toscano, Julio J Caramelo, Juan J. Garcia-Vallejo, Jing Ouyang, Enrique Mesri, Melissa R. Junttila, Carlos Bais, Margaret A. Shipp, Mariana Salatino, Gabriel A. Rabinovich
Cell (2014) 156: 744-758
-Selected as the Cover of Cell (February 2014) "Escaping VEGF blockade"
-Highlighted as "Leading Edge" with a Preview: "Galectin-1 pulls the strings on VEGFR2" (Stanley P, Cell 2014; 156(4):625-626)
- Featured in Nature Medicine 20; 3:250 "Tumors fight back with a lectin"
-Feauterd in Cancer Discovery "Galectin-1 maintains angiogenesis in anti-VEGF refratory tumors"

►11 Microbial driven TLR5-dependent signaling governs distal malignant progression through tumor-promoting inflammation
Melanie R. Rutkowski, Tom L. Stephen, Nikolaos Svoronos, Michael J. Allegrezza, ,Alfredo Perales-Puchalt, Ximena Escovar-Fadul, Amelia J. Tesone, Jenny Nguyen, Mark G. Cadungog, Rugang Zhang, Mariana Salatino, Julia Tchou, Gabriel A. Rabinovich, Jose R. Conejo-Garcia
Cancer Cell (2015); 27: 27–40.
-Highlighted as Feature Article in Cancer Cell (January 2015)
-Featured in "Common TLR5 Mutations Control Cancer Progression via galectins" (Cancer Cell 2015; 27:1-3)
-Highlighted in Cancer Discovery "Uncovering Microbes' Role in Tumor Progression"
--Highlighted in Nature Rev Cancer 15, 69 (2015)

►12. *Trypanosoma cruzi* infection imparts a regulatory program in dendritic cells and T cells via galectin-1-dependent mechanisms
Carolina V. Poncini, Juan M. Ilarregui, Estela I. Batalla, Stefe Engels, Marcela A. Cucher, Juan Pablo Cerliani, Yvette van Kooyk, Stella M. González Cappa, Gabriel A. Rabinovich
J Immunol (2015) 195:3311-24

►13. Regulation of eosinophilia and allergic airway inflammation by the glycan-binding protein galectin-1
Xiao Na Ge, Sung Gil Ha, Yana G. Greenberg, Amrita Rao, Idil Bastan, Ada G. Blidner, Savita P. Rao, and Gabriel A. Rabinovich*. P. Sriramarao* (* shared senior authorship)
Proc Natl Acad Sci USA (2016) 113:E4837-46.
-Highlighted in PNAS (Editorial: Eosinophils, galectins and a reason to breathe" (PNAS 2016; 113(33):9139-41) and featured in the cover

►14 Glycosylation-dependent galectin-receptor interactions promote *Chlamydia trachomatis* infection
Agustín L. Luján, Diego O. Croci, Julián A. Gambarte Tudela, Antonella D. Losinno, Alejandro J. Cagnoni, Karina V. Mariño María T. Damiani and Gabriel A. Rabinovich
Proc Natl Acad Sci USA (2018) 115:E6000-E6009.

►15. Galectin-1-driven tolerogenic programs aggravate *Yersinia enterocolitica* infection by repressing antibacterial immunity
Roberto Davicino, Santiago Méndez Huergo, Javier R Elicabe, Juan C. Stupirski, Ingo Autenrieth, Silvia Di Genaro and Gabriel A. Rabinovich
J Immunol (2018) 199:1382-1392.

►16. Targeting galectin-1 inhibits pancreatic cancer progression by modulating tumor-stroma cross-talk
Carlos Alberto Orozco, Neus Martinez-Bosch, Pedro Enrique Guerrero, Judith Vinaixa, Tomás Dalotto-Moreno, Mar Iglesias, Mireia Moreno, Magdolna Djurec, Françoise Poirier, Hans-Joaquim Gabius, Martin Fernandez-Zapico, Rosa F. Hwang, Carmen Guerra, and Gabriel A. Rabinovich* ,Pilar Navarro*,
(*co-seniors co-corresponding authors)
Proc Natl Acad Sci USA (2018) 115:E3769-E3778.

►17. IRE1α-XBP1 signaling promotes T cell metabolic dysfunction in ovarian cancer by limiting glutamine influx
Minkyung Song, Tito A. Sandoval, Chang-Suk Chae, Sahil Chopra, Melanie R. Rutkowski, Mahesh Raundhal, Ricardo A. Chaurio, Kyle K. Payne, Csaba Konrad, Sarah E. Bettigole, Hee Rae Shin, Michael J. Crowley, Juan P. Cerliani, Andrew V. Kossenkov, Ievgen Motorykin, Sheng Zhang, Giovanni Manfredi, Dmitriy Zamarin, Kevin Holcomb, Paulo C. Rodriguez, Gabriel A. Rabinovich, Jose R. Conejo-Garcia, Laurie H. Glimcher and Juan R. Cubillos-Ruiz
Nature (2018) 562:423-428.
-Highlighted by Cell Metabolism

►18. Targeting TMEM176b enhances antitumor immunity and augments the efficacy of immune checkpoint blockers by unleashing inflammasome activation.
Mercedes Segovia , Sofia Russo, Mathias Jeldres, Yamil Mahmoud, Valentina Perez, Maite Duhalde, Pierre Charnet, Mathieu Rousset, Bernard Vanhove, Rodrigo Andrés Floto, Ignacio Anegon, Maria Cristina Cuturi, M. Romina Girotti*, Gabriel A. Rabinovich* Marcelo Hill*, (*co-senior authors)
Cancer Cell (2019) 35: 767-781.E6
Highlighted by a Commentary in Cancer Discovery

►19. Suppression of age-related salivary gland autoimmunity by glycosylation-dependent galectin-1-driven immune inhibitory circuits
Verónica C. Martínez Allo, Vanesa Hauk*, Nicolás Sarbia*, Nicolás A. Pinto, Diego O. Croci, Tomás Dalotto Moreno, M. Rosa Morales, Sabrina Gatto, Montana N. Manselle Cocco, Juan C. Stupirski, Ángel Deladoey, Priscila Marcaida, Virginia Durigan, Anastasia Secco, Marta Mamani, Alicia Dos Santos, Antonio Catalán Pellet, Claudia Pérez Leiros, Marta A. Toscano* ,Gabriel A. Rabinovich* , (*co-seniors).
Proc Natl Acad Sci USA (2020) 117:6630-6639.

►20. Intracellular immune sensing promotes inflammation via gasdermin D-driven release of a lectin alarmin.
Ashley J Russo, Swathy O Vasudevan, Santiago P Méndez-Huergo, Puja Kumari, Antoine Menoret, Shivalee Duduskar, Chengliang Wang, Juan M Pérez Sáez, Margaret M Fettis, Chuan Li, Renjie Liu, Arun Wanchoo, Karthik Chandiran, Jianbin Ruan, Sivapriya Kailasan Vanaja, Michael Bauer, Christoph Sponholz, Gregory A Hudalla, Anthony T Vella, Beiyan Zhou, Sachin D Deshmukh, Gabriel A Rabinovich, Vijay A Rathinam
Nature Immunol. (2021) 22:154-165. doi: 10.1038/s41590-020-00844-7.

►21. Control of intestinal inflammation by glycosylation-dependent lectin-driven immunoregulatory circuits
Luciano G. Morosi, Anabela M. Cutine, Alejandro J. Cagnoni, Montana N. Manselle-Cocco, Diego O. Croci, Joaquín P. Merlo, Rosa M. Morales, María May, Juan M. Pérez-Sáez, María R. Girotti, Santiago P. Méndez-Huergo, Betiana Pucci, Aníbal H. Gil, Sergio P. Hornos, Guillermo H. Docena, Alicia M. Sambuelli, Marta A. Toscano, Karina V. Mariño*, Gabriel A. Rabinovich* (*co-senior authors)
Science Adv (2021) 7(25):eabf8630. doi: 10.1126/sciadv.abf8630.

►22. Galectin-1 fosters an immunosuppressive microenvironment in colorectal cancer by reprogramming $CD8^+$ regulatory T cells
Alejandro J. Cagnoni, M. Laura Giribaldi, Ada G. Blidner, Anabela M. Cutine, Sabrina Gatto, Rosa Morales, Mariana Salatino, Martín C. Abba, Diego O. Croci, Karina V. Mariño*, Gabriel A. Rabinovich*
Proc Natl Acad Sci U S A. (2021) 118(21):e2102950118. doi: 10.1073/pnas.2102950118.

►23. Galectin-1 prevents pathological vascular remodeling in atherosclerosis and abdominal aortic aneurysm.
Raquel Roldán-Montero, Juan M Pérez-Sáez, Isabel Cerro-Pardo, Jorge Oller, Diego Martinez-Lopez, Estefania Nuñez, Sebastian M Maller, Carmen Gutierrez-Muñoz, Nerea Mendez-Barbero, Joan C Escola-Gil, Jean-Baptiste Michel, Maria Mittelbrunn, Jesús Vázquez, Luis M Blanco-Colio, Gabriel A Rabinovich*, Jose L Martin-Ventura* (*GAR and JLM are co-seniors)
Science Adv. (2022)18;8(11):eabm7322. doi: 10.1126/sciadv.abm7322.

►24. Targeting galectin-driven regulatory circuits in cancer and fibrosis
Karina V. Mariño, Alejandro Cagnoni, Diego O. Croci and Gabriel A. Rabinovich
Nature Reviews Drug Discovery, (2023) Feb 9. doi: 10.1038/s41573-023-00636-2
Selected as Cover of the Issue

►25. Circulating galectin-1 delineates response to bevacizumab in melanoma patients and reprograms endothelial cell biology
Nadia Bannoud*, Juan C. Stupirski*, Alejandro J. Cagnoni*, Pablo F. Hockl, Juan M. Pérez Saez, Pablo A. Garcia, Yamil D. Mahmoud, Julián Gambarte Tudela, Marco Scheidegger, Andrea Marshall, Pippa G. Corrie, Mark R. Middleton, Karina V. Mariño, M. Romina Girotti, Diego O. Croci and Gabriel A. Rabinovich
Proc Natl Acad Sci USA (2023) 120(3):e2214350120. doi: 10.1073/pnas.2214350120.

8.2. COMPLETE LIST OF ORIGINAL PEER-REVIEWED PUBLICATIONS (TOTAL: 312)

(https://pubmed.ncbi.nlm.nih.gov/?term=rabinovich+g&sort=date).

METRICS Google Scholar February 2023: (Citations: 39285; h=92)

►1. Regulated expression of a 16-kd galectin-like protein in activated macrophages.
Gabriel A. Rabinovich, Leonardo Castagna, Carlos Landa, Clelia M. Riera, Claudia Sotomayor.
J Leukoc Biol (1996) 59:363-369.

►2. Specific inhibition of lymphocyte proliferation and induction of apoptosis by CLL-I, a β-galactoside-binding lectin
Gabriel A. Rabinovich, Nidia Modesti, Leonardo Castagna, Carlos Landa, Clelia Riera, Claudia Sotomayor.
J Biochem (1997) 122, 365-373.

Journal of Biochemistry award given annually to the best paper published in the journal.

►3. Activated macrophages produce a galectin-1-like protein that induces apoptosis of T cells: Biochemical and functional characterization.
Gabriel A. Rabinovich, Maria M. Iglesias, Nidia M. Modesti, Leonardo F. Castagna, Carlota Wolfenstein-Todel, Clelia M. Riera, Claudia E. Sotomayor.
J Immunol (1998) 160, 4831-4840.

►4. Purification of galectin-3 from ovine placenta: Developmentally regulated expression and immunological relevance.
Mercedes Iglesias, Gabriel A. Rabinovich, Andrea Ambrosio, Leonardo Castagna, Claudia Sotomayor, Carlota Wolfenstein-Todel.
Glycobiology (1998) 8, 59-65.

►5. Galectin-1 from ovine placenta. Complete primary structure, physicochemical properties and implications in T-cell death.
M. Mercedes Iglesias, Gabriel A. Rabinovich, Valeria Ivanovic, Claudia Sotomayor, Carlota Wolfenstein-Todel.
Eur J Biochem (1998), 252, 400-407.

►6. Lectin-induced immunoregulation in ovine placenta
Gabriel A. Rabinovich*, M. Mercedes Iglesias*, Andrea Ambrosio, Claudia Sotomayor, Carlota Wolfenstein-Todel ***Lectins: Biology, Biochemistry, Clinical Biochemistry***, 1998, 12 (Van Driessche, Beeckmans and Bog-Hansen, eds), Hellerup, Denmark. Electronic **Lectin J** Acceso: http://plab.ku.dk/tcbh/Lectins12 (*equal contribution)

►7. Interaction of human tissue plasminogen activator (t-PA) with Pregnancy zone protein: A comparative study with t-PA- α2-macroglobulin interaction.
María C Sánchez, Gustavo Chiabrando, Hugo Guglielmone, Gustavo Bonacci, Gabriel A. Rabinovich, Miguel A. Vides.
J Biochem (1998) 124: 274-279.

►8. Granulocyte-macrophage colony stimulating factor protects dendritic cells from liposome-encapsulated dichloromethylene diphosphonate-induced apoptosis by a Bcl-2-mediated pathway.
Gabriel A. Rabinovich, Clelia M. Riera, Pablo Iribarren.
Eur J Immunol (1999) 29:563-570.

►9. Recombinant galectin-1 and its genetic delivery suppress collagen-induced arthritis via T-cell apoptosis.
Gabriel A. Rabinovich, Gordon Daily, Hanna Dreja, Hitakshi Tailor, Clelia Riera, Jun Hirabayashi, Yuti Chernajovsky.
J Exp Med (1999) 190: 385-398.
Highlighted by an Editorial in Nature (August 1999)

►10. Specific inhibition of T-cell adhesion to extracellular matrix and pro-inflammatory cytokine secretion by human recombinant galectin-1.
Gabriel A. Rabinovich, Amiram Ariel, Rami Hershkowiz, Jun Hirabayashi, Ken Ichi Kasai, Ofer Lider.
Immunology (1999). 97:100-106.

►11. Immunocytochemical study of the distribution of a 16-kDa galectin in the chicken retina.
Cristina Maldonado, Leonardo Castagna, Gabriel Rabinovich, Carlos Landa.
Invest Ophtalmol Vis Sci (1999) 40: 2971-2977.

►12. Galectin-1, an alternative signal for T-cell death, is increased in activated macrophages.
Gabriel Rabinovich, Clelia Riera, Claudia Sotomayor
Br J Med Biol Res (1999) 32: 557-567.

►13. Prostate cancer induction in autoimmune rats and modulation of T-cell apoptosis
Mónica Gilardoni, Gabriel Rabinovich, Mabel Oviedo, Mirtha Depiante-Depaoli
J Exp Clin Cancer Res (1999) 18: 493-504.

►14. Galectins: an evolutionarily conserved family of animal lectins with multifunctional properties: a trip from the gene to clinical therapy
Gabriel A. Rabinovich.
Cell Death Differ (1999) 6:711-721.

►15. Galectins: a key intersection between glycobiology and immunology
Gabriel Rabinovich, Clelia Riera, Carlos Landa y Claudia Sotomayor
Br J Med Biol Res (1999) 32:383-393
Article invited for the Award received "Young Talented Scientst in Latin America"

►16. Immunotherapy of autoimmune diseases by gene transfer
Yuti Chernajovsky, David Gould, Alex Annenkov, Hanna Dreja, Gordon Daly, Gabriel Rabinovich, L. Croxford, David Baker, Mariana Berenstein, Osvaldo Podhajcer
Biochem Soc Transact (1999) 27: 869-873

►17. Evidence of a role for galectin-1 in acute inflammation
Gabriel Rabinovich, Claudia Sotomayor, Clelia Riera, Ismael Bianco, Silvia Correa
Eur J Immunol (2000) 30: 1331-1339.

►18. Molecular mechanisms implicated in galectin-1-induced apoptosis: activation of the AP-1 transcription factor and downregulation of Bcl-2
Gabriel Rabinovich, Claudio Alonso, Claudia Sotomayor, Sandra. Durand, José L. Bocco, Clelia Riera.
Cell Death Differ (2000) 7: 747-753.

►19. Galectin-1 induces central and peripheral cell-death: implications in T-cell physiopathology.
Claudia Sotomayor, Gabriel Rabinovich
Dev Immunol (2000) 7:117-129.

►20. Apoptosis as a target for gene therapy in rheumatoid arthritis
Gabriel Rabinovich
Mem Inst Oswaldo Cruz (2000) 95: 225-233.

►21. Activation-induced expression of CD1d antigen on mature T cells

María C. Salamone, Gabriel A. Rabinovich, Ana K. Mendiguren, Gabriela V. Salamone, Leonardo Fainboim
J Leukoc Biol (2001) 69, 207-215.

►22. Anti-galectin-1 autoantibodies in *Trypanosoma cruzi* infection: differential expresion of this β-galactoside-binding protein in cardiac Chagas' disease.
Laura Giordanengo, Susana Gea, Gustavo Barbieri, Gabriel Rabinovich
Clin Exp Immunol (2001) 124: 9-21.

►23. Expression of galectin-1 and -3 correlates with defective mononuclear cell apoptosis in patients with juvenile rheumatoid arthritis.
Miroslav Hajarcek, Diaz Cano D, De Miguel M, Wolfe H, Cristina Maldonado, Gabriel Rabinovich
J Rheumatol (2001) 28:1914-1922.

►24. Regulated expression and effect of galectin-1 on trypanosoma cruzi-infected macrophages: Modulation of microbicidal activity and survival
Elina Zúñiga, Adriana Gruppi, Jun Hirabayashi, Ken I Kasai, Gabriel Rabinovich
Infect Immun (2001);69:6589-6598.

►25. Regulated expression of galectin-1 during B cell activation and implications for T-cell apoptosis
Elina Zúñiga, Gabriel Rabinovich, Mercedes Iglesias, Adriana Gruppi.
J Leukoc Biol (2001) 70:70-73

►26. The anti-metastatic effect of a single low dose of cyclophosphamide involves modulation of galectin-1 and Bcl-2 expression
Gabriel Rabinovich, Natalia Rubinstein, Pablo Matar, Viviana Rozados, Silvia Gervasoni, Graciela Scharovsky
Cancer Immunol Immunother (2002) 50: 587-603.

►27. Induction of allogeneic T-cell hyporesponsiveness by galectin-1-mediated apoptotic and non-apoptotic mechanisms
Gabriel Rabinovich, Rosanna Ramhorst, Natalia Rubinstein, Adriana Corigliano, Cecilia Daroqui, Elisa Bal de Kier, Leonardo Fainboim
Cell Death Differ (2002) 9:661-670.

►28. Activation-induced expression of MICA on T-lymphocytes involves engagement of CD3 and CD28
Luciana L Molinero, Mercedes Fuertes , Gabriel Rabinovich, Leonardo Fainboim, Norberto W. Zwirner.
J Leukoc Biol (2002) 71: 791-797.

►29. Bone-specific antibodies in sera from patients with celiac disease: Characterization and implications in osteoporosis
Emilia Sugai, Alejandra Cherñavsky, Silvia Pedreira, Edgardo Smecuol, Horacio Vasquez, Sonia Niveloni, Roberto Mazure, Eduardo Mauriño, Gabriel Rabinovich, Julio C. Bai.
J Clin Immunol (2002) 22: 353-362.

►30. Galectin and their ligands: amplifiers, silencers, or tuners of the inflammatory response?
Gabriel Rabinovich, Linda G. Baum, Nicola Tinari, Roberto Paganelli, Clara Natoli, Fu-Tong Liu, Stefano Iacobelli

Trends Immunol (2002) 23: 313-320.

►31. Role of galectins in inflammatory and immunomodulatory processes
Gabriel Rabinovich, Natalia Rubinstein & Marta Toscano
Biochem Biophys Acta General Subjects (2002) 1572; 273-283.

►32. Unlocking the secrets of galectins: a challenge at the frontier of glyco-immunology
Gabriel Rabinovich, Natalia Rubinstein, Leonardo Fainboim
J Leukoc Biol (2002): 71: 741-752.

►33. Galectins: a family of proteins involved in the regulation of the immune response. Implications in immunopathological processes.
Gabriel Rabinovich and Natalia Rubinstein
Medicina (2002) 61: 85-92.

►34. Regulated expression and ultrastructural localization of galectin-1, a pro-apoptotic beta-galactoside-binding lectin, during spermatogenesis in rat testis
Luis Dettin, Natalia Rubinstein, Agustín Aoki, Cristina Maldonado*, Gabriel Rabinovich* (co-senior)
Biol Rep (2003) 68:51-59.

►35. Galectin-1 suppresses experimental colitis in mice
Luca Santucci, Stefano Fiorucci, Natalia Rubinstein, Andrea Mencarelli, Barbara Palazetti, Barbara Federici, Gabriel Rabinovich*, and Antonio Morelli
Gastroenterology (2003)124:1381-1394.

►36. Opposite effects of galectin-1 on alternative metabolic pathways of L-arginine in resident, inflammatory and activated macrophages
Silvia G. Correa, Claudia E. Sotomayor, María P. Aoki , Cristina Maldonado, Gabriel Rabinovich
Glycobiology (2003) 13 : 119-128.

►37. Upregulated expression of MICA on activated T lymphocytes involves Lck and Fyn kinases and signaling through MEK1/ERK, p38 MAP kinase and calcineurin
Luciana L Molinero, Mercedes Fuertes, Leonardo Fainboim, Gabriel Rabinovich, Norberto W. Zwirner.
J Leukoc Biol (2003) 73:815-822.

►38. Characterization and functional significance of glucocorticoid receptors in patients with major depression: modulation by antidepressant treatment
Gastón Calfa, Silvia Kademian, Danilo Ceschin, Gustavo Vega, Gabriel Rabinovich, Marta Volosín.
Psychoneuroendocrinology (2003) 28: 687-701.

►39. Targeted inhibition of galectin-1 gene expression in tumor cells results in heightened T-cell-mediated rejection: a potential mechanism of tumor-immune privilege
Natalia Rubinstein, Mariano Alvarez, Norberto Zwirner, Marta Toscano, Juan M. Ilarregui, Alicia Bravo, José Mordoh, Leonardo Fainboim, Osvaldo Podhajcer, Gabriel Rabinovich
Cancer Cell (2004) 5: 241-251
Selected for the Cover of *Cancer Cell* "The sweet kiss of death: Galectin-1 and tumor escape"

Featured in *Nature Rev Cancer* (2004) 4:328.

►40. Galectin-3 mediates interleukin-4-induced survival and differentiation of B cells: functional cross-talk and implications during *Trypanosoma cruzi* infection
Eva V Acosta-Rodríguez, Carolina L Montes, Claudia C Motrán; Elina I Zuniga; Fu-Tong Liu, Gabriel A. Rabinovich, Adriana Gruppi
J Immunol (2004) 172: 493-502

►41. Identification of RANTES as a novel immunomodulator of the maternal allogeneic response
Rosanna Ramhorst, Verónica García, Adriana Corigliano, Gabriel Rabinovich, Leonardo Fainboim
Clin Immunol (2004) 110; 71-80

►42 Differential role of galectins in the initiation, amplification and resolution of the inflammatory response
Natalia Rubinstein, Juan M. Ilarregui, Marta Toscano, Gabriel Rabinovich
Tissue Antigens (2004) 64:1-12.

►43 NF-kB regulates expression of the MHC class I-related chain A (MICA) gene in activated T lymphocytes
Luciana Molinero, Mercedes Fuertes, Victoria Girart, Leonardo Fainboim, Gabriel Rabinovich, Mónica Costas, Norberto Zwirner
J Immunol (2004) 173 5583-5590

►44. Regulated expression of galectin-1 during T-cell activation involves Lck and Fyn kinases and signaling through MEK1/ERK, p38 MAP kinase and p70S6 kinase.
Mercedes B. Fuertes, Luciana Molinero, Marta Toscano, Juan M. Ilarregui, Natalia Rubinstein, Leonardo Fainboim, Norberto Zwirner, Gabriel Rabinovich
Mol Cell Biochem (2004) 267: 177-185.

►45. Shedding light on the immunomodulatory properties of galectins: novel regulators of innate and adaptive immune responses
Gabriel A. Rabinovich, Marta Toscano, Juan M. Ilarregui, Natalia Rubinstein
Glycoconj J (2004) 19: 565-573

►46. Galectins as modulators of tumour progression
Fu-Tong Liu and Gabriel A. Rabinovich
Nature Rev Cancer (2005) 5:29-41.

►47. Galectin-1 as a potential cancer target
Gabriel A. Rabinovich
Br J Cancer (2005) 92:1188-1192.

►48. The sweet kiss of death: a link between galectin-1, glycosylation and the generation of immune privilege
Natalia Rubinstein, Marta A. Toscano, Juan M. Ilarregui, Germán Bianco, Gabriel Rabinovich,
Trends Glycosci Glycotechnol (2005) 96: 133-143.

►49. Galectins as immunoregulators during infectious processes: From microbial invasion to the resolution of the disease

Gabriel A. Rabinovich and Adriana Gruppi
Parasite Immunol (2005) 27:103-114.

►50. The coming of age of galectins as immunomodulatory agents: Impact of these carbohydrate-binding proteins in T-cell physiology and chronic inflammatory disorders
Juan M. Ilarregui, Germán Bianco, Marta A. Toscano, Gabriel A. Rabinovich
Ann Rheum Dis (2005) 64: 96-103.

►51. Galectin-1 sensitizes resting human T lymphocytes to Fas (CD95)-mediated cell death via mitochondrial hyperpolarization, budding and fission
Paola Matarrese, Antonella Tinari, Elisabetta Mormone, Germán Bianco, Marta Toscano, Gabriel Rabinovich* Walter Malorni* (*co-seniors)
J Biol Chem (2005) 280:6969-6985.

►52. Galectin-3 and soluble fibrinogen act in concert to modulate neutrophil activation and survival: involvement of alternative MAPK pathways
Gabriela C. Fernández; Juan M. Ilarregui, Carolina Rubel; Marta Toscano, Sonia Gómez, Macarena Beiger, Martín A. Isturiz, Gabriel A. Rabinovich* & Marina S. Palermo.
Glycobiology (2005) 15: 519-527.

►53. Administration of a peptide inhibitor of α4 integrin inhibits the development of experimental autoimmune uveitis
Andrea P. Martín, Luciana V. De Moraes, Carlos E. Tadokoro, Alessandra G. Commodaro, Enrique Urrets-Zavalia, Gabriel A. Rabinovich, Julio Urrets-Zavalia, Luis V Rizzo, Horacio M. Serra.
Invest Ophthalmol Vis Sci (2005) 46: 2056-2063.

►54. Synthetic lactulose amines: Novel class of anticancer agents that induce tumor-cell apoptosis and inhibit galectin-mediated homotypic cell aggregation and endothelial cell morphogenesis
Gabriel Rabinovich, Albana Cumashi, Germán A. Bianco, Domenico Ciavardelli, Ida Iurisci, Maurizia D´Egidio, Enza Piccolo, Nicola Tinari, Nikolay Nifantiev, and Stefano Iacobelli
Glycobiology (2006) 16: 210-220

►55. Overexpression of inducible nitric oxide synthase and cyclooxygenase- 2 in rat Zn-deficient lung: involvement of a NF-kB-dependent pathway
Nidia N. Gomez, Roberto C. Davicino, Veronica S. Biaggio, German A. Bianco, Silvina M. Alvarez, Patricia Fischer Lucas Masnatta, Gabriel A. Rabinovich, and María S. Gimenez
Nitric oxide (2006) 14; 30-38

►56. Regulated expression of galectin-1 after in vitro productive infection with herpes simplex virus type I: implications for T cell apoptosis
María I. Gonzalez, Natalia Rubinstein, Juan M. Ilarregui , Marta Toscano, Norberto Sanjuan, Gabriel Rabinovich
Int J Immunopathol Pharmacol (2005) 18:615-623.

►57. Circulating anti-galectin-1 autoantibodies are associated with the severity of ocular disease in autoimmune and infectious uveitis

Marta Romero, Juan.C. Muiñio, Germán A. Bianco, Mercedes Ferrero, Claudio P. Juarez, José D. Luna and Gabriel Rabinovich
Invest Ophthalmol Vis Sci (2006) 47: 1550-1556.

►58. Galectin-1 suppresses autoimmune retinal inflammation by promoting concomitant T helper-2- and T regulatory--mediated anti-inflammatory responses
Marta A. Toscano, Alessandra Commadoro, Juan Ilarregui, Germán Bianco, Ana Liberman, Horacio M. Serra, Jun Hirabayashi, Luis V. Rizzo, Gabriel Rabinovich,
J Immunol (2006) 176: 6323-6332.

►59. Impact of protein-glycan interactions in the regulation of autoimmune and chronic inflammatory disorders
Germán Bianco, Juan M. Ilarregui, Marta A. Toscano, Gabriel Rabinovich,
Autoimmun Rev (2006) 5:349-356.

►60. How do protein-glycan interactions regulate T-cell physiology?
Marta Toscano, Juan M. Ilarregui, Germán Bianco, Natalia Rubinstein, & Gabriel Rabinovich
Medicina **(**2006);66:357-362.

►61. From immune surveillance to immune escape: story of an enemy with multiple counterattack strategies
Graciela Scharovsky, Pablo Matar, Mariano Zacarías, María J. Rico, and Gabriel A. Rabinovich
Inmunología (2006) 25:101-114.

►62. Role of galectins in chronic inflammatory microenvironments
Greg Parsonage, Emily Trebilcolck, Marta Toscano, Germán Bianco, Juan Ilarregui, Christopher Buckley, Gabriel Rabinovich
Future Rheumatol (2006) 1: 441-454.

►63. Immunosuppressive strategies that are mediated by tumor cells
Gabriel A. Rabinovich, Dmitry Gabrilovich, Eduardo Sotomayor
Annu Rev Immunol (2007) 25: 267-96.

►64. Low doses cyclophosphamide modulates expression and function of galectin-1 in an experimental lymphoma model
Mariano Zacarías, María J. Rico, Silvia I. Gervasoni, Juan M. Ilarregui, Marta Toscano, Gabriel Rabinovich, Graciela Scharovsky.
Cancer Immunol Immunother (2007) 56:237-48.

►65. Transforming growth factor-β1 regulates galectin-1 expression in metastatic mammary adenocarcinoma: Implications for tumor-immune escape.
M. Cecilia Daroqui, Juan M. Ilarregui, Natalia Rubinstein, Mariana Salatino, Marta Toscano, Paula Vazquez, Lidia Puricelli, Elisa Bal de Kier-Joffe, Gabriel Rabinovich,
Cancer Immunol Immunother (2007) 56:491-499.

►66. A novel function for galectin-1 at the crossroad of innate and adaptive immunity: Galectin-1 regulates monocyte/ macrophage physiology through a non-apoptotic ERK1/3-dependent pathway

Paula Barrionuevo, Macarena Beiger-Bompadre, Juan M Ilarregui, Marta Toscano, Germán Bianco, Martín Isturiz, Gabriel Rabinovich
J Immunol (2007) 178: 436-445

►67. Altered expression of galectin-3 induces cortical thymocyte depletion and premature exit of immature thymocytes during *Trypanosoma cruzi* infection
Elizangela Silva-Monteiro, Luciana Reis-Lorenzato, Oscar Kenji-Nihei, Mara Junqueira, Gabriel A. Rabinovich, Dan Hsu, Fu-Tong Liu, Wilson Savino, Roger Chammas, Dea M. Serra Villa-Verde
Am J Pathol (2007): 170:546-556.

►68. Comparative study of the antiinflammatory, anticoagulant and antiangiogenic activities of selected fucoidans isolated from brown seaweeds
Albana Cumashi, Natalia A. Ushakova, Marina E. Preobrazhenskaya, Armida D'Incecco, Antonio Piccoli, Licia Totani, Nicola Tinari, Galina E. Morozevich, Albert E. Berman, Maria I. Bilan, Anatolii I. Usov, Nadezhda E. Ustuzhanina, Craig J. Sanderson, Maeve Kelly, Gabriel Rabinovich, Stefano Iacobelli, and Nikolay E. Nifantiev
Glycobiology (2007) 17:541-52.

►69. Galectin-1 expression in human glioma cells: modulation by ionizing radiation and effects on tumor cell proliferation and migration
Herwig M. Strik, Katharina Schmidt, Paul Lingor, Lars Tonges, Wilfried Kugler, Mirko Nitsche, Gabriel A. Rabinovich, Mathias Bähr
Oncol Rep (2007) 18:483-488.

►70. Galectins: matricellular glycan-binding proteins linking cell adhesion, migration and survival
Maria T. Elola, Carlota W. Todel, Gerardo Vasta, Gabriel Rabinovich
Cell Mol Life Sci (2007) 64:1670-700.

►71. Differential glycosylation of TH1, TH2 and TH17 effector cells selectively regulates susceptibility to cell death
Marta A. Toscano, Germán A. Bianco, Juan M. Ilarregui, Diego Croci, Jorge Correale, Joseph Hernandez, Norberto W. Zwirner, Francoise Poirier, Eleanor Riley, Linda G. Baum, Gabriel A. Rabinovich
Nature Immunol (2007) 8: 825 - 834
-Highlighted as feature article in Nature (July 2007)
-Research Highlight in Nature Rev Immunol (July 2007)
-Highlighted in Faculty of 1000 biology (Must Read; Top 10 articles)
-Article of the Month and Top 10 Nature Immunol (August 2007)

►72. The AP1-dependent secretion of galectin-1 by Reed-Sternberg cells fosters immune privilege in classical Hodgkin lymphoma
Przemyslaw Juszczynski, Jing Ouyang, Jeffery Kutok, Stefano Monti, Wen Chen, Paola Dal Cin, Jeremy Abramson, Kunihiko Takeyama, Todd Golub, Jon Aster, Gabriel Rabinovich, Margaret Shipp
Proc Natl Acad Sci USA. (2007) 104: 13134-13139

►73. A pivotal role for galectin-1 in feto-maternal tolerance

Sandra M. Blois, Juan M. Ilarregui, Mareike Tometten, Mariana García, Arif Suphi Orsal, Rosalia Cordo-Russo, Marta A Toscano, Germán Bianco, Bori Handjiski, Irene Tirado, Udo R. Markert, Francoise Poirier, Julia Szekeres-Bartho, Petra C Arck*, Gabriel Rabinovich* (*co-seniors)
(ultima autoría compartida)
Nature Med (2007) 13:1450-1457.
-Highlighted as feature article Nature
-Research Highlight Nature Rev Immunol (January 2008)

►74. Dissecting the pathophysiologic role of endogenous lectins: glycan-binding proteins with cytokine-like activity?
Marta A. Toscano, Juan M. Ilarregui, Germán Bianco, Diego Croci Russo, Leonardo Campagna, , Mariana Salatino, Gabriel Rabinovich,
Cytokines Growth Factors Rev (2007) 18: 57-71

►75. Cytokines coming of age in South America
Gabriel Rabinovich
Cytokines Growth Factors Rev (2007) 18: 1-3.

►76. Tolerance signaling molecules and pregnancy: IDO, galectins and the renaissance of regulatory T cells
P. Terness, A. Mellor, G. Chaouat, G. Rabinovich, A. Betz, S. Saito, D. Clarck
Am J Reprod Immunol (2007) 58:238-54

►77. Dynamic cross-talk between tumors and immune cells in orchestrating the immunosuppressive network at the tumor microenvironment
Diego Croci, Mariano Zacarías Fluck, María J. Rico, Pablo Matar, Gabriel A. Rabinovich, Graciela Scharovsky
Cancer Immunology & Immunotherapy (2007) 56:1687-700

►78. An emerging role for galectins in tuning the immune response: lessons from experimental models of inflammatory disease, autoimmunity and cancer
Gabriel A. Rabinovich, Fu-Tong Liu, Mitusomi Hirashima, Ana Anderson
Scand J Immunol (2007) 66: 143-158

►79. Neuro-endocrine-immune disequilibrium and endometriosis: an interdisciplinary approach
Nadja Tariverdian Theoharis C. Theoharides, Friederike Siedentopf, Gabriela Gutiérrez, Udo Jeschke, Gabriel A. Rabinovich, Sandra M. Blois, Petra C. Arck
Sem Immunopathol (2007) 29: 193-210

►80. Functions of cell surface galectin-carbohydrate lattices
Gabriel Rabinovich, Marta Toscano, Shawn Jackson, Gerardo Vasta
Curr Opin Struct Biol (2007) 17:513-520

►81. The immunoregulatory glycan-binding protein galectin-1 triggers human platelet activation.
Natalia Pacienza, Roberto G Pozner , Germán A. Bianco, ,Lina Paola D'Atri, Diego O. Croci, Soledad Negrotto, Elisa Malaver, Ricardo M. Gómez, Mirta Schattner* Gabriel A. Rabinovich* (*co-seniors)
FASEB J (2008) 22: 1113-1123
-Highlighted in F1000 biology

►82. Control of dendritic cell maturation and function by triiodothyronine (T3)
Iván Mascanfroni, S. Susperreguy, Juan M. Ilarregui, Susana Montesinos, Laura Cervi, Ana Repiso, Hector Targovnik, Gabriel Rabinovich, Claudia Pellizas
FASEB J (2008) 22:1032-1042

►83. Apoptosis resistance in HIV-1 persistently-infected cells is independent of active viral replication and involves modulation of the apoptotic mitochondrial pathway
Pablo Nicolás Fernández Larrosa, Diego Croci, Diego Riva, Mariel Bibini, Renata Luzzi, Mónica Saracco, Susana Mersich, Gabriel A. Rabinovich, Liliana Martínez Peralta.
Retrovirology (2008), 5:19.

►84. AP-1-dependent galectin-1 expression delineates classical Hodgkin and anaplastic large cell lymphomas from other tumors with shared molecular features.
Scott J. Rodig, Jing Ouyang, Przemyslaw Juszczynski, Treeve Currie, Kenneth Law, Donna S. Neuberg, Gabriel A. Rabinovich, Margaret A. Shipp and Jeffery L. Kutok
Clin Cancer Res (2008) 14: 3338-3344.

►85. Intracellular retention of MICA in melanomas prevents recognition by NK cells: novel tumor immune escape mechanism
Mercedes B Fuertes, Luciana L Molinero, María V Girart, Carolina Domaica, Marcela Barrio, José Mordoh, Gabriel A Rabinovich and Norberto W Zwirner
J Immunol 2008; 180:4606-4614.

►86. Silencing survivin gene expression inhibits proliferation and promotes apoptosis of breast cancer cells by a caspase-independent pathway
Diego O. Croci, Ingrid S. Cogno, Natalia B. Rumie Vittar, Edgardo Salvatierra, Osvaldo L. Podhajcer, , Eduardo Osinaga, Viviana A. Rivarola*, Gabriel Rabinovich*
J Cell Biochem (2008) 105: 2:381-390.

►87 Protein-glycan interactions in the control of innate and adaptive immune responses
Yvette van Kooyk, Gabriel A. Rabinovich
Nature Immunol (2008) 9: 593-601.

►88. Integrating the universe of regulatory cells in cancer: a major hurdle for successful immunotherapy
Juan M. Ilarregui, Diego O. Croci, Mariana Salatino, Germán Bianco, Marta Toscano, Gabriel A. Rabinovich
Medicina (2008) 67:25-31

►89. Immunology South of the Equator in the Americas
Gabriel A. Rabinovich, Alexis Kalergis, Norberto W. Zwirner, Wilson Savino
Nature Immunol (2008) 9:1087-1090.

►90. Galectins as therapeutic targets in inflammatory diseases and cancer
Mariana Salatino, Diego Croci, Germán Bianco, Juan Ilarregui, Marta Toscano, Gabriel Rabinovich
Expert Op Biol Ther (2008) 8:45-57.

►91. Galectins: structure, function and therapeutic potential
Ri-Yao Yang, Gabriel A. Rabinovich, Fu-Tong Liu
Expert Rev Mol Med (2008) 10 doi: 10.1017/S1462399408000719

►92 Turning 'sweet' on immunity: Galectin-glycan interactions in immune tolerance and inflammation
Gabriel A. Rabinovich and Marta A Toscano
Nature Rev Immunol (2009) 9: 338-352.

►93. Conveying glycan-containing information into T-cell homeostatic programs: A challenging role of galectin-1 in inflammatory and tumor microenvironments
G.A. Rabinovich and J.M. Ilarregui
Immunol Rev (2009) 230: 144-159.

►94. Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes.
Lorenzo Galluzzi, John Abrams, Emad S. Alnemri, Eric H. Baehrecke, Mikhail V. Blagosklonny, Catherine Brenner, Maria Castedo, Ruggero de Maria, Wafik S. El-Deiry, Simone Fulda, Carmen Garrido, Pierre Golstein, Douglas R. Green, Hinrich Gronemeyer, Michael Hengartner, Marja Jäättelä, Oliver Kepp, Daniel J. Klionsky, Richard A. Knight, Sally Kornbluth, Peter H. Krammer, Sharad Kumar, Stuart A. Lipton, Frank Madeo, Walter Malorni, Patrick Mehlen, Gerry Melino, Eugenia Morselli, Pierluigi Nicotera, Gabriel Nuñez, Josef Penninger, Marcus E. Peter, Mauro Piacentini, Gabriel A. Rabinovich, Guy S. Salvesen, Luca Scorrano, Hans-Uwe Simon, Andreas Strasser, Jürg Tschopp, Peter Vandenabeele, Andreas Villunger, Junying Yuan, Boris Zhivotovsky and Guido Kroemer
Cell Death Differ (2009) 16:1093-1107

►95. Emerging concepts in tolerance and autoimmunity: novel therapeutic approaches
Esteban Ciliberti, Leandro Carambia, Sebastian Cavallin, Osvaldo L. Cerda, Juan J. Poderoso and Gabriel A. Rabinovich
Medicina (2009) 69: 460-465.

►96. Tolerogenic signals delivered by dendritic cells to T cells via a galectin-1-driven immunoregulatory circuit involving IL-27- and IL-10
Juan M. Ilarregui, Diego O. Croci, Germán A. Bianco, Marta Toscano, Mariana Salatino, Mónica Vermeulen, Jorge Geffner, Gabriel Rabinovich
Nature Immunol (2009) 10: 981 – 991.

-Highlighted by 1000 Faculty of Biology
-Selected among Top 10 Articles Nature Immunol

►97. Critical role of the solvent environment in galectin-1 binding to its specific disaccharide lactose
Santiago Di Lella, Lu Ma, Juan C. Diaz-Ricci, Gabriel A. Rabinovich, Sanford A. Asher, and R. Maria S. Alvarez
Biochemistry (2009) 48:786-91.

►98. Synthetic inhibitors of galectins-1 and -3 selectively modulate different steps of tumor progression
Ida Iurisci , Albana Cumashi, , Andrei A. Sherman, Nicola Tinari, Enza Piccolo, Maurizia D'Egidio, Yury E. Tsvetkov, Gabriel A. Rabinovich, Nikolay E. Nifantiev Stefano Iacobelli,
Anticancer Res (2009) 29:1 403-410.

►99. Duodenal intraepithelial intestinal lymphocytes from food allergy patients selectively bind the glycan-binding protein galectin-3
Natalia Mercer, Ricardo Drut, Cueto Rua, Liliana Guzman, Marta Toscano, Gabriel Rabinovich, Guillemo H Docena
Int J Immunopathol Pharmacol (2009) 22:207-217.

►100. Tumor experienced-activated T cells modulate NKG2D- and NKp46-dependent NK cell functions through trogocytosis of specific ligands from the tumor cell surface.
Carolina I. Domaica, Mercedes Fuertes, Maria V. Girart, Lucas Rossi, Damián Avila, Gabriel Rabinovich and Norberto Zwirner
EMBO Rep (2009) 10: 908–915
-Featured in the cover

►101 Galectin-3 induces a distinctive pattern of cytokine and chemokine production in rheumatoid synovial fibroblasts via selecitve signalling pathways.
Andrew D. Filer, Magdalena Bik, Greg N. Parsonage, John Fitton, Emily Trebilcock, Katherine Howlett, Karin Raza, David L. Simons, Mike Salmon, Dagmar Scheel-Toellner, Janet M. Lord, Gabriel A. Rabinovich, Christopher D. Buckley
Arthritis Rheum (2009) 60:1604-1614

►102. Nuclear factor κB-dependent thyroid hormone receptor β expression controls dendritic cell function through a PI3K-independent AKT-dependent pathway.
Iván Mascanfroni, S. Susperreguy, Susana Montesinos, Laura Cervi, Ana Repiso, Gabriel Rabinovich, Claudia Pellizas
J Biol Chem (2010) 285: 9569-9582.

►103 MLL-rearranged b lymphoblastic leukemias selectively express the immunoregulatory carbohydrate-binding protein galectin-1.
Przemyslaw Juszczynsk, Scott J. Rodig, Jing Ouyang, Evan O`Donnell, Kunihiko Takeyama, Wojciech Miynarski, Katarzyna Mycko, Tomasz Szczepanski, Anna Gaworczyk, Andrei Krivtsov, Joerg Faber, Amit U. Sinha, Gabriel A. Rabinovich, Scott A. Armstrong, Jeffery L. Kutok, and Margaret A. Shipp
Clin Cancer Res (2010) 16:2122-2130.

►104. 'Time-Sweet-Time': Circadian characterization of galectin-1 null mice
Leandro P. Casiraghi, Diego O. Croci, Francoise Poirier, Gabriel Rabinovich, Diego A. Golombek
J Circad Rhythms (2010) 19:4

►105. Delineating the intracellular signaling pathways triggered by galectin-glycan interactions
Diego Laderach, Daniel Compagno, Marta Toscano, Diego Croci, Sebsatián Dergan-Dylon, Mariana Salatino, Gabriel A. Rabinovich
IUBMB Life. (2010) 62:1-13.

►106. Specific IgG and IgA antibodies coexist IgE in sera from patients with food allergy.
Teresa Calderón, Mercedes Ferrero, Gustavo Mariano Marino, Andres Cordoba, Andrea Barrionuevo, Dante Beltramo Gabriel A. Rabinovich, Marta D. Romero,

J Biol Regul Homeost Agents (2010) 24:261-271.

►107. Multiple functional targets of the immunoregulatory potential of galectin-1: control of immune cell trafficking, dendritic cell physiology and T cell fate
Dianne Cooper, Juan Ilarregui, Susana Pesoa, Diego O. Croci, Mauro Perretti, and Gabriel Rabinovich
Meth Enzymol (2010) 480:199-232.

►108. Linking structure and thermal stability to ligand binding and dimerization equilibrium of galectin-1, a multifunctional beta-galactoside-binding protein.
Di Lella S, Martí MA, Croci DO, Guardia CM, Díaz-Ricci JC, Rabinovich GA, Caramelo JJ, Estrin DA.
Biochemistry (2010) 49:7652-7658.

►109. Lack of TNFRp55 promotes heightened IFN-γ and IL-17 production during the development of reactive arthritis.
Ricardo J. Eliçabe, Ethelina Cargnelutti, María I. Serer, Patricia Stege, Susana R Valdez, Marta A. Toscano, Gabriel A. Rabinovich, María S. Di Genaro
J Immunol (2010) 185: 4485-4495

►110. Galectins: Regulators of acute and chronic inflammation
Fu-Tong Liu and Gabriel A. Rabinovich
Ann NY Acad Sci (2010) 1183: 158-182For the Special Issue. The Immunology of the Year 2009

►111. Overcoming the hurdles of anti-tumor immunity by targeting regulatory pathways in innate and adaptive immune cells
Norberto W. Zwirner, Diego O. Croci, Carolina I. Domaica and Gabriel A. Rabinovich
Curr Pharm Des (2010) 16: 255-267

►112. Tolerogenic dendritic cells in the control of autoimmune neuroinflammation: an emerging role of protein-glycan interactions
Juan M. Ilarregui and Gabriel A. Rabinovich
Neuroimmunomodulation (2010) 17:157-160.

►113. Integrating the universe of effector and regulatory immune cell subsets: an emerging role of protein-glycan interactions
Susana A. Pesoa, Diego O. Croci, Gabriel A. Rabinovich
Curr Immunol Rev (2010) 6: 348-356

►114. A sweet path toward tolerance in the gut
Gabriel A.Rabinovich
Nature Med (2010) 16: 1076–1077

►115. Regulated expression of galectin-3, a multifunctional glycan-binding protein haematopoietic and non-haematopoietic tissues.
Victoria Sundblad, Diego Croci, and Gabriel Rabinovich
Histol Histopathol (2011) 26:247-265.

►116. Modulation of endothelial cell migration and angiogenesis: a novel function for the tandem-repeat lectin galectin-8
Cárdenas Delgado VM, Colombo L, Troncoso MF, Nugnes LG, Fernandez MF, Malchiodi EL, Frahm I, Croci DO, Compagno D, Rabinovich GA, Wolfenstein-Todel C, Elola M.
FASEB J (2011) 25:242-254.

►117 Characterization and functionality of proliferative human Sertoli cells
K. Chui, A. Trivedi, C. Y. Cheng, D. B. Cherbavaz, P. F. Dazin, A. L. T. Huynh, J. B. Mitchell , G. A. Rabinovich, L. J. Noble-Haeusslein, and C. M. John
Cell Transp (2011) 20: 619-635

►118. Cell-type specific regulation of galectin-3 expression by glucocorticoids in lung Clara cells and macrophages
Cristina Maldonado, Victoria Sundblad, Mariana Salatino, Jorge Elias, Luciana N. Garcia, Diego Croci, Gabriel Rabinovich
Histol Histopathol (2011) 26: 747-759.

►119. Sulfated fucans, but not sulfated fucomannoglucuronans, determine the anti-inflammatory, anti-coagulant, anti-angiogenic and anti-tumoral activities of fucoidans from laminaria saccharina brown seaweed
Diego O. Croci, Albana Cumashi, Natalia A. Ushakova, Marina E. Preobrazhenskaya, Antonio Piccoli, Licia Totani, Nadezhda E. Ustyuzhanina, Maria I. Bilan, Anatolii I. Usov, Alexey A. Grachev, Galina E. Morozevich, Albert E. Berman, Craig J. Sanderson, Maeve Kelly, Patrizia Di Gregori, Nicola Tinari, Stefano Iacobelli, and Nikolay E. Nifantiev* Gabriel A. Rabinovich* (*co-seniors)
Plos ONE (2011) 6:e17283.

►120. TNFRp55 modulates IL-6 and nitric oxide responses following *Yersinia* lipopolyssacharide stimulation in peritoneal macrophages
Ricardo J Eliçabe, José L Arias, Gabriel A. Rabinovich, María S Di Genaro
Immunobiology (2011) 216:1322-1330

►121. Proteomic analysis identifies galectin-1 as a predictive biomarker for relapsed/refractory disease in classical Hodgkin lymphoma.
Peter Kamper, Maja Ludvigsen, Knud Bendix, Stephen Hamilton-Dutoit, Michael Boe Møller, Gabriel A. Rabinovich, Jens Nyengaard, Bent Honoré, Francesco d'Amore
Blood (2011) 117:6638-6649

►122. Expression and targeted inhibition of the immunoregulatory carbohydrate-binding lectin, galectin 1, in EBV-driven post-transplant lymphoproliferative disorders
Jing Ouyang, Przemyslaw Juszczynski, Evan O'Donnell, Myriam Armant, Scott Rodig, Kunihiko Takeyama, Stefano Monti, Gabriel Rabinovich, Jeffery Kutok, Jerome Ritz and Margaret Shipp
Blood (2011) 117:4315-22
Highlighted in the cover (Inside Blood)

►123. Galectin-3 drives oligodendrocyte differentiation to control myelin integrity and function
Laura A. Pasquini, Violeta Millet, Hernán C. Hoyos, Juan P.Giannoni, Diego O.Croci, Fu T. Liu, Gabriel A. Rabinovich*, Juana M. Pasquini*

Cell Death Differ (2011) 18:1746-56.

►124. Novel roles of galectin-1 in mediating hepatocellular carcinoma cell adhesion, polarization and *in vivo* tumor growth
María V. Espelt, Diego O Croci, Pablo Carabias, Malena Manzi, María T. Elola, Marina C. Muñoz, Fernando P. Dominici, Carlota Wolfenstein-Todel, , Gabriel A. Rabinovich, María F. Troncoso
Hepatology (2011) 53:2097-2106.

►125. The glycan-binding protein galectin-1 controls survival and function of small bowel epithelial cells
Cecilia Muglia, Natalia Mercer, Marta Toscano, Mirta Schattner, Roberto Pozner, Juan P. Cerliani, Gabriel Rabinovich*, Guillermo Docena* (*co-seniors)
Cell Death Dis (2011); 26;2:e163.

►126. Nuclear factor kB controls expression and function of the immunoregulatory carbohydrate-binding protein galectin-1
Marta Toscano, Leonardo Campagna, Luciana Molinero, Ignacio Nojek, Mercedes Fuertes, Juan Fededa Diego Croci, Juan M. Ilarregui, Norberto Zwirner, Mónica Costas, Gabriel Rabinovich
Mol Immunol (2011) 48:1940-1949.

►127. An integrated computational approach for the comparison of the structural, dynamical and ligand binding properties of the human galectin network
Carlos. Guardia, Diego F. Gauto, Santiago Di Lella, Gabriel Rabinovich, Marcelo A. Martí and Darío A. Estrin
J Chem Inf Model (2011) 51:1918-1930
Featured in the cover

►128. Expanding the universe of cytokines and pattern recognition receptors: Galectins and glycans in innate immunity
Juan P. Cerliani, Sean Stowell, Ivan Mascanfroni, Connie Arthus, Richard D. Cummings, Gabriel Rabinovich
J Clin Immunol (2011) 31:10-21.

►129. Fine-tuning anti-tumor responses through the control of galectin-glycan interactions: an overview
Mariana Salatino and Gabriel Rabinovich
Meth Mol Biol (2011) 677:355-374.

►130. Galectins and microenvironmental niches during hematopoiesis
Gabriel A. Rabinovich and Michel Vidal
Curr Opin Hematol (2011) 18:443-451.

►131. When galectins recognize glycans: from biochemistry to physiology and back again
Santiago Di Lella, Victoria Sundblad, Juan P. Cerliani, Carlos Guardia,. Dario Estrin, Gerardo Vasta, Gabriel A. Rabinovich
Biochemistry (2011) 50:7842-7857

►132. State of the Union: Gycobiology and Immunology at Canadian Rockies
Brian A. Cobb , Gabriel A. Rabinovich and Yvette van Kooyk
Glycobiology (2011) 21: 545–546.

►133. Endogenous lectins shape the function of dendritic cells and tailor adaptive immunity: mechanisms and biomedical applications
Ivan Mascanfroni, Juan P. Cerliani, Sebastian Dergan-Dylon, Diego Croci, Juan Ilarregui, and Gabriel A. Rabinovich
Int Immunopharmacol (2011) 11:831-838

►134. Identification of galectins as novel regulators of platelet signaling and function
Albertina Romaniuk, Soledad Negrotto, Oscar Campetella,, Gabriel A. Rabinovich, Mirta Schattner
IUBMB Life (2011) 63:521-527

►135. Coupling pathogen recognition to innate immunity via glycan-dependent mechanisms
Roberto Davicino, Ricardo Elicabe, Silvia Di Genaro, Gabriel A. Rabinovich
Int Immunopharmacol (2011) 11:1457-1463.

►136. Targeting inflammatory and tolerogenic circuits in the tumor microenvironment; the pivotal role of TSLP and FPA-alpha
Diego J. Laderach, Susana A. Pesoa, Daniel Compagno & Gabriel A. Rabinovich
Immunotherapy (2011) 3:713-7

►137. Galectin-1 markedly reduces the incidence of resorptions in mice missing immunophilin FKBP52
Yasushi Hirota 1, Kristin E Burnum, Nuray Acar, Gabriel A Rabinovich, Takiko Daikoku, Sudhansu K Dey
Endocrinology (2012) 53:2486-93.

►138. Endogenous galectin-3 controls experimental malaria in a parasite species-specific manner
Marta A. Toscano, Eric Trongen, Brian de Souza, Fu-Tong Liu, Eleanor Riley, Gabriel Rabinovich
Parasite Immunol (2012) 34:383-387.

►139. Galectin-1 deactivates classically-activated microglia and protects from inflammation-induced neurodegeneration
Sarah C. Starossom, Ivan D. Mascanfroni, Jaime Imitola, Li Cao, Khadir Raddassi, Silvia F. Hernandez, Ribal Bassil, Diego O. Croci, Juan P. Cerliani, Delphine Delacour, Yue Wang, Wassim Elyaman, Samia J. Khoury, and Gabriel A. Rabinovich,
Immunity (2012) 37:249-263
-"Editor Choice" in Science (Science 2012; 337:801)
- Feature Article Immunity (Galectin-1 for neuroprotection: Immunity (2012) 37:187-9.
-Highlighted by F1000 Faculty of Biology as Must Read.

►140. Disrupting galectin-1 interactions with N-glycans suppresses hypoxia-driven angiogenesis and tumorigenesis in Kaposi's sarcoma
Diego O. Croci , Mariana Salatino, Natalia Rubinstein, Juan P. Cerliani, Lucas Cavallin, Howard J. Leung, Jing Ouyang, Juan M. Ilarregui, Marta A. Toscano, Carolina Domaica, María C. Croci, Enrique Mesri, Adriana Albini and Gabriel Rabinovich
J Exp Med (2012) 209: 1985-2000.
-Featured in the Cover "Gagging Gal-1 in Kaposi sarcoma"

►141. Galectin-1 confers immune privilege to human placenta: clinical implications in recurrent fetal loss
Rosanna E. Ramhorst, Laura Giribaldi, Laura Fracaroli, Marta A. Toscano, Juan C. Stupirski, Marta D. Romero, Mariana Salatino, Sandra Durand, Natalia Rubinstein, Astrid Blaschitz, Peter Sedlmayr, Susana Genti-Raimondi, Leonardo Fainboim and Gabriel A. Rabinovich
Glycobiology (2012) 22: 1374-1386.

►142. Binding of galectin-1 to αIIβ3 integrin triggers 'outside-in' signals to stimulate platelet activation and control hemostasis *in vivo*
M. Albertina Romaniuk. Diego O. Croci, M. Julia Lapponi, M. Virginia Tribulatti, Soledad Negrotto, Francoise Poirier, Oscar Campetella, , Gabriel A. Rabinovich*, Mirta Schattner* (* co-seniors)
FASEB J (2012) 26:2788-2798

►143. Murine lymphomas selected in vivo by growth rate are distinguished by aggressiveness, galectin-1 expression and response to cyclophosphamide
Mariano F. Zacarías Fluck, Leandro Hess, Mariana Salatino, Diego O Croci, Juan C. Stupirski, Ricardo J. Di Masso, Eduardo Roggero, Graciela Scharovsky*, Gabriel A. Rabinovich*, (*co-seniors)
Cancer Immunol Immunother (2012) 61:469-480.

►144. Dexamethasone counteracts the immunostimulary effects of triiodothyronine (T3) on dendritic cells
María M. Montesinos, Vanina A. Alamino, Iván D. Mascanfroni, Sebastián Susperreguy, Nicolás Gigena, Ana M. Masini-Repiso, Gabriel A. Rabinovich, Claudia G. Pellizas
Steroids (2012) 77:67-76

►145. Histone deacetylase inhibitors compromise NK cell viability and effector functions through inhibition of receptor expression
Lucas E Rossi; Damiàn Avila, Germán Spallanzani, Andrea Ziblat, Diego Croci, Gabriel A Rabinovich; Carolina Domaica, Norberto Zwirner
J Leukoc Biol (2012) 91:321-331

►146. Human neuroblastoma triggers an immunoevasive program involving galectin-1-dependent modulation of t cell and dendritic cell compartments
Rocio Soldati, Elisa Berger, Ana C. Zenclussen, Gerhard Jorch, Burkhart Schraven, Mariana Salatino, Gabriel A. Rabinovich and Stefan Fest
Int J Cancer (2012) 131:1131-1141.

►147. Regulatory circuits mediated by lectin-glycan interactions in autoimmunity and cancer
Gabriel A Rabinovich and Diego O. Croci
Immunity (2012) 36:322-335.
Selected for the Cover in Immunity, "Deciphering the glycocode in immunity"
Selected in the Section "Best of Immunity 2012"

►148 Glycobiology of Immune Responses
Gabriel A Rabinovich, Yvette van Kooyk, Brian Cobb
Ann NY Acad Sci (2012) 1253:1-15.
Special Issue. Guest Editors: G. Rabinovich, Y. Van Kooyk, B. Cobb

►149. Integrating structure and function of 'tandem-repeat' galectins
María F. Troncoso, María T. Elola, Diego O. Croci, and Gabriel A. Rabinovich
Front Biosci (2012) S4: 864-887.

►150. Galectin-1 controls cardiac function and post-infarction left ventricular remodeling
Ignacio M. Seropian, Juan P. Cerliani, Stefano Toldo, Benjamín W. Van Tassell, Juan M. Ilarregui, Germán E. Gonzalez, Mirian Matoso, Fadi N. Salloum, Ryan Melchior, Ricardo J. Gelpi, Juan C. Stupirski, Alejandro Benatar, Karina A. Gómez, Celina Morales, Antonio Abbate, and Gabriel A. Rabinovich,
Am J Pathol (2013) 182:29-40.

►151. A unique galectin signature in human prostate cancer progression suggests galectin-1 as a key target for treatment of advanced disease
Diego Laderach, Lucas Gentilini, Laura Giribaldi, Victor Cardenas Delgado, Lorena Nugnes, Diego Croci, Nader Al Nakouzi, Paula Sacca, Jeff Kutok, Gabriel Casas, Osvaldo Mazza, Elba Vazquez, Anne Chauchereau, Scott Rodig, María T Elola, Daniel Compagno and Gabriel Rabinovich
Cancer Res (2013) 73:86-96.
-Featured in the Cover of Cancer Research.
-Highlighted with a Commentary in Nature Rev Urology 2012

►152. Nurse-like cells control the activity of chronic lymphocytic leukemia B cells via galectin-1
Diego O. Croci Pablo E. Morande, Sebastián Dergan Dylon, Mercedes Borge, Marta A. Toscano, Juan C. Stupirski, Raimundo F. Bezares, Julio Sánchez Avalos, Marina Narbaitz, Romina Gamberale, Gabriel A. Rabinovich*, Mirta Giordano* (*co-senior authors)
Leukemia (2013) 27: 1413-1416

►153. TNFRp55 controls regulatory T cell responses in yersinia-induced reactive arthritis
Ethelina Cargnelutti, José L. Arias, Susana R. Valdez, Gabriel A. Rabinovich, María S. Di Genaro
Immunol Cell Biol (2013) 91: 159-166

►154. Delineating the galectin signature of the tumor microenvironment
Daniel Compagno, Diego Laderach, Lucas Gentilini, Felipe Jarowski, Gabriel Rabinovich
Oncoimmunology (2013) 1;2(4):e23565.

►155. Galectin-1 serum levels reflect tumor burden and adverse clinical features in Hodgkin lymphoma
Jing Ouyang, Annette Plütschow, Elke Pogge, Sabine Ponader, Gabriel Rabinovich, Donna Neuberg, Andreas Engert, Margaret A. Shipp
Blood (2013) 121:3431-3433.

►156. Mast cells rescue implantation defects caused by *c-kit* deficiency.
Katja Woidacki, Milan Popovic, Martin Metz, Anne Leber, Franziska Schäfer, Nadja Linzke, Ana Teles, Francoise Poirier, Stefan Fest, Federico Jensen, Gabriel Rabinovich*, Marcus Maurer, Ana Claudia Zenclussen* (*co-corresponding authors)
Cell Death Dis (2013) 4: e462

►157. Interstrain differences in chronic hepatitis and tumor development in a murine model of inflammation-mediated hepatocarcinogenesis.

Tamara Potikha, Evgenyi Stoyanov, Orit Pappo, Antonina Frolov, Lina Mizrahi, Deborah Olam, Temima Shnitzer-Perlman, Ido Weiss, Neta Sade, Amnon Peled, Francoise Poirier, Gabriel Rabinovich, Eithan Galun, Daniel Goldenberg
Hepatology (2013) 58:192-204

►158. Targeting galectin-1 overcomes breast cancer associated immunosuppression and prevents metastatic disease
Tomás Dalotto Moreno , Diego O. Croci , Juan P. Cerliani , Verónica C. Martínez Allo , Sebastián Dergan-Dylon, Santiago P. Méndez Huergo , Juan Carlos Stupirski, Daniel Mazal , Eduardo Osinaga , Marta A. Toscano,. Victoria Sundblad, Mariana Saflatino* Gabriel A. Rabinovich* (*co-seniors)
Cancer Res (2013) 73: 1107–1117.
Featured in the Cover Cancer Res

►159. Thwarting galectin-induced immunosuppression in breast cancer
Mariana Salatino, Tomas Dalotto Moreno, Gabriel A. Rabinovich
Oncoimmunology (2013) 2:e24077

►160. Galectin-3 negatively regulates the frequency and function of CD4+CD25+FOXP3+ regulatory T cells during the course of *Leishmania major* infection
Marise L. Fermino, Fabrício C. Dias, Carla D. Lopes, Maria Aparecida Souza, Ângela K Cruz, Roger Chammas, Fu-Tong Liu, Maria Cristina Roque-Barreira, , Emerson S. Bernardes* , Gabriel A. Rabinovich*, (*co-senior)
Eur J Immunol (2013) 43:1806-1817

►161. Galectin-1 promotes 12/15-lipoxygenase expression and favors a pro-resolving macrophage phenotype
Ran Rostoker, Hiba Yaseen, Sagie Schif-Zuck, Rachel G. Lichtenstein, Gabriel A. Rabinovich, Amiram Ariel
Prostaglandins other Lipid Mediat (2013) 107:85-94.

►162. Sweetening pregnancy: galectins at the fetomaternal interface
Ada Blidner and Gabriel A. Rabinovich
Am J Reprod Immunol (2013) 69:369-382

►163. Galectins in hematological malignancies
Mirta Giordano, Diego O. Croci and Gabriel A. Rabinovich
Curr Opin Hematol (2013) 20:327-335.

►164. Galectins: novel agonists of platelet activation
Mirta Schattner and Gabriel Rabinovich
Biol Chem (2013) 394:857-863.

►165. Glycobiology of cell death: When glycans and lectins govern cell fate
Rachel Lichtenstein and Gabriel Rabinovich
Cell Death Differ (2013) 20:976-986

►166. Vascular galectins: Regulators of tumour progression and targets for cancer therapy
Victor L. Thijssen, Gabriel A. Rabinovich & Arjan W. Griffioen
Cytokine and Growth Factor Rev (2013) S1359-6101(13)00064-6.

►167. Hierarchical and selective roles of galectins in the biology of hepatocellular carcinoma
María L Bacigalupo, Malena Manzi, Gabriel A Rabinovich, María F Troncoso
World J Gastroenterol (2013) 19:8831-8849

►168. Galectin-3 controls the response of microglia to cuprizone-induced demyelination
Hernán C. Hoyos, Marta Marder, Santigo P. Méndez Huergo, Gabriel Rabinovich*, Juana M. Pasquini* & Laura Pasquini* (* co-seniors).
Neurobiol Dis (2014) 62:441-55.

►169. Clinical relevance of galectin-1 expression in non-small cell lung cancer patients
María José Carlini, Pablo Roitman, Myriam Nuñez, María Guadalupe Pallotta, Gastón Boggio, David Smith, Mariana Salatino, Elisa D. Bal de Kier Joffé, Gabriel A. Rabinovich, Lydia I. Puricelli
Lung Cancer (2014) 84:73-78.

►170. Expansion of $CD11b^{+}Ly6G^{+}Ly6C^{int}$ cells driven by medroxiprogesterone acetate in breast cancer-bearing hosts restrains NK cell effector functions
Raúl G. Spallanzani, Tomás Dalotto-Moreno, Ximena L. Raffo Iraolagoitia, Andrea Ziblat, Carolina I. Domaica, Damián E. Avila, Lucas E. Rossi, Mercedes B. Fuertes, Gabriel A. Rabinovich, Mariana Salatino and Norberto W. Zwirner
Cancer Immunol Immunother (2014) 62:1781-95

►171. Glycosylation-dependent lectin-receptor interactions preserve angiogenesis in anti-VEGFrefractory tumors
Diego O. Croci , Juan P. Cerliani, Tomas Dalotto Moreno, Santiago P. Méndez-Huergo, Iván Mascanfroni, L. Sebastian-Dergan Dylon, Marta Toscano, Julio J Caramelo, Juan J. Garcia-Vallejo, Jing Ouyang, Enrique Mesri, Melissa R. Junttila, Carlos Bais, Margaret A. Shipp, Mariana Salatino, Gabriel A. Rabinovich
Cell (2014) 156: 744-758

-Featured in the Cover of Cell (February 2014) "Escaping VEGF blockade"
-Highlighted as "Leading Edge" with a Preview: "Galectin-1 pulls the strings on VEGFR2" (Pamela Stanley, Cell 2014; 156(4):625-626)
- Highlighted in Nature Medicine 20; 3:250 "Tumors fight back with a lectin"
-Highlighted in Cancer Discovery (Research Watch) doi:10.1158/2159-8290 "Galectin-1 maintains angiogenesis in anti-VEGF refratory tumors"

►172. Structural basis of redox-dependent modulation of galectin-1 protein dynamics and function.
Carlos M. Guardia, Julio J. Caramelo, Santiago Méndez Huergo, Madia Trujillo, Rafael Radi, Darío A. Estrin , Gabriel A. Rabinovich
Glycobiology (2014) 24:428-441.

►173. Expression profile of shelterin components in plasma cell disorders. Clinical significance of POT1 overexpression.
Julieta Panero, C. Stanganelli, Jorge Arbelbide, Dorotea B Fantl, Dana Kohan, Hernán García Rivello, Gabriel A Rabinovich, Irma Slavutsky
Blood Cells Mol Dis (2014) 52:134-139.

►174. Glycan-dependent binding of galectin-1 to neuropilin-1 promotes axonal regeneration following spinal cord injury
Héctor R. Quinta, Juana M. Pasquini, Laura Pasquini* ,Gabriel A. Rabinovich* (*co-seniors)
Cell Death Differ (2014) 21: 941-955.
-Selected as Feature Article in CDD

►175. Control of angiogenesis by galectins involves the release of platelet-derived pro-angiogenic factors
Julia Etulain, Soledad Negrotto, Diego O. Croci, Oscar Campetella, Gabriel A Rabinovich and Mirta Schattner
Plos ONE (2014) 30;9(4):e96402.

►176. Targeting galectin-1-induced angiogenesis mitigates endometriosis
Juan I Bastón, Rosa I Barañao, Analía G Ricci, Mariela A Bilotas, Carla N Olivares, José J Singla, Alejandro M Gonzalez, Diego O. Croci, Juan C. Stupirski, Gabriel A Rabinovich* and Gabriela F Meresman* (*co-seniors)
J Pathol (2014) 234:329-337

►177. OTX008, a selective small-molecule inhibitor of galectin-1, downregulates cancer cell proliferation, invasion and tumor angiogenesis.
Lucile Astorgues-Xerria, Maria E. Riveiro, Annemilaï Tijeras-Raballanda, Maria Serovaa, Gabriel A. Rabinovich, Ivan Bieched, Michel Vidaudd, Armand de Gramont, Mathieu Martinet, Esteban Cvitkovic, Sandrine Faivre, Eric Raymond
Eur J Cancer (2014) 50:2463-2477.

►178. Galectins: major signaling modulators inside and outside the cell
Daniel Compagno, Felipe Jaworski, Lucas Gentilini, Geraldine Contrufo, Ignacio González Pérez, María Teresa Elola, Nicolás Pregi, Gabriel Rabinovich and Diego Laderach
Curr Mol Med (2014) 14:630-651.

►179. Integration of lectin-glycan recognition systems and immune cell networks in CNS inflammation
Santiago Méndez-Huergo, Sebastián M. Maller, Mauricio Farez, Karina Mariño, Jorge Correale and Gabriel A. Rabinovich
Cytokines & Growth Factor Rev (2014) 5:247-255.
-Featured in the Cover of CGFR

►180. Galectins go with the flow
Gabriel A. Rabinovich and Victor Thijssen
Glycobiology (2014) 24: 885-886

►181. Galectin-8: a matricellular lectin with key roles in angiogenesis
María F. Troncoso, Fátima Ferragut, Lorena Bacigalupo, Víctor M. Cárdenas Delgado, Lorena G. Nugnes, Lucas Gentilini, Diego Laderach, Carlota Wolfenstein-Todel, Daniel Compagno, Gabriel A. Rabinovich, María T. Elola
Glycobiology (2014) 24: 907-914

►182. Linking tumor hypoxia, VEGFR2 signaling and compensatory angiogenesis: sugars make the difference
Diego O. Croci and Gabriel A. Rabinovich

Oncoimmunology (2014) 25;3:e29380.

►183. Classification of current anticancer immunotherapies
Lorenzo Galluzzi, Erika Vacchelli, José-Manuel Bravo-San Pedro, Aitziber Buqué, Laura Senovilla, Elisa Elena Baracco, Norma Bloy, Francesca Castoldi, Jean-Pierre Abastado, Patrizia Agostinis, Ron N. Apte,
Fernando Aranda, Maha Ayyoub, Philipp Beckhove, Jean-Yves Blay, Laura Bracci, Anne Caignard, Chiara Castelli, Federica Cavallo, Esteban Celis, Vincenzo Cerundolo, Aled Clayton, Mario P. Colombo, Lisa Coussens, Madhav V. Dhodapkar, Alexander M. Eggermont, Douglas T. Fearon, Wolf H. Fridman, Jitka Fučíková, Dmitry I. Gabrilovich, Jérôme Galon, Abhishek Garg, François Ghiringhelli, Giuseppe Giaccone, Eli Gilboa, Sacha Gnjatic, Axel Hoos, Anne Hosmalin, Dirk Jäger, Pawel Kalinski, Klas Kärre, Oliver Kepp
, Rolf Kiessling, John M. Kirkwood, Eva Klein, Alexander Knuth, Claire E. Lewis, Roland Liblau, Michael T. Lotze, Enrico Lugli, Jean-Pierre Mach, Fabrizio Mattei, Domenico Mavilio, Ignacio Melero, Cornelis J. Melief, Elizabeth A. Mittendorf, Lorenzo Moretta, , Adekunke Odunsi, Hideho Okada, Anna Karolina Palucka, Marcus E. Peter, Kenneth J. Pienta, Angel Porgador George C. Prendergast, Gabriel A.
Rabinovich, Nicholas P. Restifo, Naiyer Rizvi, Catherine Sautès-Fridman, Hans Schreiber, Barbara Seliger, Hiroshi Shiku, Bruno Silva-Santos, Mark J. Smyth, Daniel E. Speiser, Radek Spisek, Pramod K. Srivastava, , James E. Talmadge, Eric Tartour, Sjoerd H. Van Der Burg, Benoit J. Van Den Eynde, Richard Vile, Hermann Wagner, Jeffrey S. Weber, , Theresa L. Whiteside, Jedd D. Wolchok, Laurence Zitvogel, , Weiping Zou, and Guido Kroemer
Oncotarget (2014) 5:12472-12508.

►184 Glycans in vascular biology
Victor Thijssen and Gabriel A. Rabinovich
Glycobiology (2014) 24:1235-1236

►185. Regulatory role of glycans in the control of hypoxia-driven angiogenesis and sensitivity to anti-angiogenic treatment
Diego O. Croci, Juan P. Cerliani, Nicolás Pinto, Luciano G. Morosi and Gabriel Rabinovich
Glycobiology (2014) 24:1283-2190

►186. Expression, localization and function of galectin-8, a tandem-repeat lectin, in human tumors
María T. Elola, Fátima Fferragut, víctor m. Cárdenas delgado, lorena g. Nugnes, Lucas Gentilini, Diego Laderach, María F Troncoso, Daniel Compagno, Carlota Wolfenstein-Todel, Gabriel A Rabinovich
Histol Histopathol (2014) 29: 1093-1105

►187. Galectin-1 is a critical mediator of epithelial-mesenchymal transition in hepatocellular carcinoma
María L. Bacigalupo, Malena Manzi, Daniel Compagno, Diego Laderach, Carlota Wolfenstein-Todel, María V. Espelt, Gabriel A. Rabinovich, María F. Troncoso
J Cell Physiol (2015) 230:1298-309

►188. Dual roles of endogenous and exogenous galectin-1 in testicular immunopathology
Cecilia V Pérez, Leticia Gómez, Gisela Gualdoni, Marta A. Toscano, Livia Lustig, Gabriel Rabinovich & Vanesa Guazzone
Sci Rep (2015) 5:12259.

►189. Microbial driven TLR5-dependent signaling governs distal malignant progression through tumor-promoting inflammation
Melanie R. Rutkowski, Tom L. Stephen, Nikolaos Svoronos, Michael J. Allegrezza, ,Alfredo Perales-Puchalt, Ximena Escovar-Fadul, Amelia J. Tesone, Jenny Nguyen, Mark G. Cadungog, Rugang Zhang, Mariana Salatino, Julia Tchou, Gabriel A. Rabinovich and Jose R. Conejo-Garcia
Cancer Cell (2015); 27: 27–40.

-Highlighted as Feature Article in Cancer Cell (January 2015)
-Featured in the Preview "Common TLR5 Mutations Control Cancer Progression". Cancer Cell (2015); 27: 1-3.
- Highlighted in Cancer Discovery "Uncovering Microbes' Role in Tumor Progression" doi: 10.1158/2159-8290.CD-NB2015-009
-Highlighted in Nature Rev Cancer 15, 69 (2015)

►190. Prognostic value of the interactions between galectin-3 and antigen carbohydrate 125 in acute heart failure
Julio Núñez, Gabriel A. Rabinovich, Justo Sandino, Luis Mainar, Patricia Palau, Enrique Santas, Maria Pilar Villanueva, Eduardo Núñez, Vicent Bodí, Francisco J. Chorro, Gema Miñana and Juan Sanchis
Plos ONE (2015) 10(4):e0122360.

►191. The non-steroidal anti-inflammatory agent indomethacin differentially controls the regulatory activity of myeloid-derived supressor cells in normal and tumor-associated microenvironments
Ada Blidner, Mariana Salatino, Iván Mascanfroni, Myriam Diament, María A. Jasnis, Slovodanka M. Klein, Gabriel A. Rabinovich
J Immunol (2015) 194:3452-3462.

►192. Melatonin underlies seasonality in multiple sclerosis relapses
Mauricio F. Farez, Iván D. Mascanfroni, Santiago Mendez-Huergo, Ada Yeste, María Eugenia Balbuena-Aguirre, María C. Ysrraelit, Vijay K. Kuchroo, Gabriel A. Rabinovich, Francisco J. Quintana, Jorge Correale
Cell (2015) 62:1338-1352
-Highlighted as Preview in Cell "Melatonin Lulling Th17 Cells to Sleep" (Lee & Cua, September 2015)
-Highlighted in Science in News Section www.sciencemag.org/news/2015/09/melatonin-could-help-treat-multiple-sclerosis
-Featured by Nature Immunol "Melatonin zaps TH17" (Nature Immunology 16, 1113 (2015)

►193. *Trypanosoma cruzi* infection imparts a regulatory program in dendritic cells and T cells via galectin-1-dependent mechanisms
Carolina V. Poncini, Juan M. Ilarregui, Estela I. Batalla, Stefe Engels, Marcela A. Cucher, Juan Pablo Cerliani, Yvette van Kooyk, Stella M. González Cappa, Gabriel A. Rabinovich
J Immunol (2015) 195:3311-24

►194. The galectin-1-glycan axis controls sperm fertilizing capacity by regulating sperm motility and membrane hyperpolarization
Gustavo Vasen, M. Agustina Battistone, Diego O. Croci, Nicolás Brukman, Mariana Weigel Muñoz, Juan C. Stupirski, Gabriel A. Rabinovich* and Patricia S. Cuasnicú* (*co-seniors)

FASEB J (2015) 29:4189-4200

►195. Antitumor responses stimulated by dendritic cells are improved by triiodothyronine binding to the thyroid hormone receptor β.
Vanina A. Alamino, Iván D. Mascanfroni, María M. Montesinos, Nicolás Gigena, Ada G. Blidner, Ana C. Donadio, Sonia I. Milotich, Sheue Y. Cheng, Ana M. Masini-Repiso, Gabriel A. Rabinovich, Claudia G. Pellizas
Cancer Res (2015) 75:1265-1274.

►196. Regulatory dendritic cells restrain NK cell production of IFN-γ through mechanisms involving IL-10, MHC-I specific inhibitory receptors and NKP46
Damián E. Avila, Raúl G. Spallanzania, Lucas E. Rossi, Carolina I. Domaica, Andrea Ziblat, Mercedes B. Fuertes, Gabriel A. Rabinovich, and Norberto W. Zwirner.
J Immunol (2015) 195:2141-2148.

►197. Galectin-8 inhibits experimental ocular pathology by promoting differentiation of regulatory T cells
James F. Sampson, Eiichi Hasegawa, Lama Mulki, Amol Suryawanshi, Wei-Sheng Chen, Gabriel A. Rabinovich, Kip Connor, and Noorjahan Panjwani
Plos ONE (2015) 10(6):e0130772.

►198. Galectin-1 prevents infection and damage induced by *Trypanosoma cruzi* in cardiac cells
Alejandro Benatar, Gabriela Andrea Garcia, Jacqueline Bua, Juan Pablo Cerliani, Miriam Postan, Laura M Tasso, Jorge Scaglione, Juan C. Stupirski, Marta Toscano, Karina A Gomez* Gabriel A Rabinovich*
(*co-seniors)
Plos Neglect Trop Dis (2015) 9(10):e0004148

►199. Role of galectins in platelet biology
Albertina Romaniuk, Gabriel Rabinovich and Mirta Schattner
Meth Mol Biol (2015) 1207:269-83

►200. Study of galectins in tumor immunity: Methods and strategies
Juan P. Cerliani, Tomas Dalotto Moreno, Sebastian Dergan-Dylon, Juan Ilarregui, Santiago Méndez Huergo, Marta Toscano, Mariana Salatino, Gabriel Rabinovich
Meth Mol Biol (2015) 1207; 249-268.

►201. Regulation of galectins by hypoxia and their relevance in angiogenesis: strategies and methods
Mariana Salatino, Diego O. Croci, Diego J. Laderach, Daniel Compagno, Lucas Gentilini, Tomas Dalotto-Moreno, L. Sebastián Dergan-Dylon, Santiago P. Méndez-Huergo, Marta A. Toscano, Juan P. Cerliani and Gabriel A. Rabinovich
Meth Mol Biol (2015) 1207:293-304

►202. Re-wiring immune regulatory cell networks in immunity by galectin-glycan interactions
Ada G. Blidner, Santiago Méndez Huergo, Alejandro Cagnoni and Gabriel A. Rabinovich
FEBS Lett (2015) 589:3407-3418.

►203. Esssential versus accessory aspects of cell death: Recommendations of NCCD

Lorenzo Galluzzi, Jose Manuel Bravo-San Pedro, Ilio Vitale, Stuart A. Aaronson, John M. Abrams, Dieter Adam, Emad S. Alnemri, Lucia Altucci, David Andrews, Margherita Annicchiarico-Petruzzelli, Eric H. Baehrecke, Nicolas G. Bazan, Mathieu J. Bertrand, Katiuscia Bianchi, Mikhail V. Blagosklonny, Klas Blomgren, Christoph Borner, Dale E. Bredesen, Catherine Brenner, Michelangelo Campanella,
Eleonora Candi, Francesco Cecconi, Francis K. Chan, Navdeep S. Chandel, Emily H. Cheng, Jerry E. Chipuk, John A. Cidlowski, Aaron Ciechanover, Ted M. Dawson, Valina L. Dawson, Vincenzo De Laurenzi, Ruggero De Maria, Klaus-Michael Debatin, Nicola Di Daniele, Vishva M. Dixit, Brian D. Dynlacht, Wafik S. El-Deiry, Gian Maria Fimia, Richard A. Flavell, Simone Fulda, Carmen Garrido, Marie-Lise Gougeon, Douglas R. Green, Hinrich Gronemeyer, Gyorgy Hajnoczky, J. Marie Hardwick, Michael O. Hengartner, Hidenori Ichijo, Bertrand Joseph, Philipp J. Jost, Thomas Kaufmann, Oliver Kepp, Daniel J. Klionsky, Richard A. Knight, Sharad Kumar, John J. Lemasters, Beth Levine, Andreas Linkerman, Stuart A. Lipton, Richard A. Lockshin, Carlos López-Otín, Enrico Lugli, Frank Madeo, Walter Malorni, Jean-Christophe Marine, Seamus J. Martin, Jean-Claude Martinou, Jan Paul Medema, Pascal Meier, Sonia Melino, Noboru Mizushima, Ute Moll, Cristina Muñoz-Pinedo, Gabriel Nuñez, Andrew Oberst, Theocharis Panaretakis, Josef M. Penninger, Marcus E. Peter, Mauro Piacentini, Paolo Pinton, Jochen H. Prehn, Hamsa Puthalakath, Gabriel A. Rabinovich, Kodi S. Ravichandran, Rosario Rizzuto, Cecilia M. Rodrigues, David C. Rubinstein, Thomas Rudel, Yufang Shi, Hans-Uwe Simon, Brent R. Stockwell, Gyorgy Szabadkai, Stephen W. Tait, Ho Lam Tang, Nektarios Tavernarakis, Yoshihide Tsujimoto, Tom Vanden Berghe, Peter Vandenabeele, Andreas Villunger, Erwin F. Wagner, Henning Walczak, Eileen White, W. Gibson Wood, Junying Yuan, Zahra Zakeri, Boris Zhivotovsky, Gerry Melino and Guido Kroemer
Cell Death Differ (2015) 22:58-73

►204. Assembly, organization, and regulation of cell surface receptors by galectin-glycan binding complexes
María Teresa Elola, Ada G. Blidner, Candelaria Bracalente, Fátima Ferragut, and Gabriel A. Rabinovich.
Biochem J (2015) 469:1-16

►205. *Trypanosoma cruzi* extracts elicit protective immune response against chemically-induced colon and mammary cancers.
Luis Ubillos, Teresa Freire, Edgardo Berriel, María L Chiribao, Carolina Chiale, María Florencia Festari, Andrea Medeiros, Mariella Rondán, Mariela Bollati-Fogolín, Gabriel A. Rabinovich, Carlos Robello and Eduardo Osinaga
Int J Cancer (2016) 138:1719-1731.
-Featured in the Cover (April 2016)

►206. SATB1 overexpression drives tumor-promoting activities in cancer-associated dendritic cells
Amelia J. Tesone, Eva Brencicova, Melanie R. Rutkowski, Tom L. Stephen, Michael J. Allegrezza, Nikolaos Svoronos, Alfredo Perales-Puchalt, Jenny Nguyen, Jayamanna Wickramasinghe, Julia Tchou, Mark E. Borowsky, Gabriel A. Rabinovich, Andrew V. Kossenkov and Jose R. Conejo-Garcia
Cell Rep (2016) 14:1774-1786.
-Highlighted in Cancer Discovery; "How Ovarian Cancer Evades Immune Scrutiny"(News in Brief)]

►207. Galectin-8 promotes regulatory T cell differentiation by modulating IL-2 and TGF-β signaling
James F. Sampson, Amol Suryawanshi, Wei-Sheng Chen, Gabriel A. Rabinovich, and Noorjahan Panjwani
Immunol Cell Biol (2016) 94:213-219.

►208. Inflammation controls sensitivity of human and mouse intestinal epithelial cells to galectin-1.

Cecilia I Muglia, Rodrigo Papa Gobbi, Paola Smaldini, Lucía Orsini Delgado, Martín Candia, Carolina Zanuzzi, Alicia Sambuelli, Andrés Rocca, Marta A. Toscano, Gabriel Rabinovich*, Guillermo H. Docena* (*co-seniors)
J Cell Physiol (2016) 231:1575-1585

►209. The thyroid status reprograms T cell lymphoma growth and modulates immune cell frequencies
Helena A. Sterle, María L. Barreiro Arcos, Eduardo Valli, A Paulazo, Santiago Méndez Huergo, Ada Blidner, María F. Cayrol, María C. Díaz Flaqué, AJ Klecha, V Medina, Lucas Colombo, Gabriel A. Rabinovich* & Graciela A Cremaschi* (*co-seniors)
J Mol Med (2016) 94:417-429

►210. Galectin-1 controls the proliferation and migration of liver sinusoidal endothelial cells and their interaction with hepatocarcinoma cells"
Malena Manzi , María L Bacigalupo, Pablo Carabias, María T Elola, Carlota Wolfenstein-Todel, Gabriel A Rabinovich, María V Espelt, María F Troncoso
J Cell Physiol (2016) 231:1522-1533

►211. The thyroid hormone triiodothyronine reinvigorates dendritic cells and potentiates tumor immunity
Vanina Alamino, María del Mar Montesino, Gabriel A. Rabinovich and Claudia Pellizas
Oncoimmunology (2016) 5(1):e1064579.

►212. Galectin-1 is essential for the induction of MOG35-55-based intravenous tolerance in experimental autoimmune encephalomyelitis
Elisabeth R. Mari, Javad Rasouli, Bogoljub Ciric, Jason N. Moore, Jose R. Conejo-Garcia, Naveen Rajasagi, Guang-Xian Zhang, Gabriel A. Rabinovich and Abdolmohamad Rostami
Eur J Immunol (2016) 46:1783-1796.
-Featured in the Journal Cover.

►213. Regulation of eosinophilia and allergic airway inflammation by the glycan-binding protein galectin-1
Xiao Na Ge, Sung Gil Ha, Yana G. Greenberg, Amrita Rao, Idil Bastan, Ada G. Blidner, Savita P. Rao, and Gabriel A. Rabinovich*. P. Sriramarao* (* co-seniors)
Proc Natl Acad Sci USA (2016) 113:E4837-46.
-Featured in PNAS (Editorial: Eosinophils, galectins and a reason to breathe" (PNAS 2016; 113:9139-41) and the Cover.

►214. Impact of human galectin-1 binding to saccharide ligands on dimer dissociation kinetics and structure
Juan M. Romero, Madia Trujillo, Darío A. Estrin, Gabriel A. Rabinovich*, and Santiago Di Lella* (*co-seniors)
Glycobiology (2016) 26:1317-1327.

►215. Glycosylation-dependent binding of galectin-8 to activated leukocyte cell adhesion molecule (ALCAM/CD166) promotes its surface retention on breast cancer cells
Marisa M. Fernández, Fátima Ferragut, Víctor M. Cárdenas Delgado, Alicia I. Bravo, Myriam Nuñez, María V. Espelt, Luciano G. Morosi, Alejandro Cagnoni, Karina Mariño, María F. Troncoso, Carlota Wolfenstein-Todel, Emilio L. Malchiodi, Gabriel A. Rabinovich, María T. Elola
Biochem Biophys Acta (General Subjects) (2016) 1860:2255-2268.

►216. A galectin-specific signature in the gut delineates crohn's disease and ulcerative colitis from other human inflammatory intestinal disorders
Rodrigo Papa Gobbi, Nicolás De Francesco, Constanza Bondar, Cecilia Muglia, Fernando Chirdo, Martín Rumbo, Andrés Rocca, Marta A Toscano, Alicia Sambuelli, Gabriel Rabinovich,* and Guillermo H. Docena* (*co-seniors)
Biofactors (2016) 42:93–105

►217. Lack of galectin-3 increases JAGGED/Notch1 activation in bone marrow-derived dendritic cells and promotes dysregulation of T helper cell polarization
Marise L. Fermino, L. Sebastian Dergan Dylon, Nerry T. Cecílio, Sofia N. Santos, Marta A. Toscano, Marcelo Dias-Baruffi, Maria C. Roque-Barreira, and Gabriel A. Rabinovich* ,Emerson S. Bernardes*, (*co-seniors)
Mol Immunol (2016) 76: 22–34.

►218. Galectin-1 is essential for efficient liver regeneration following hepatectomy
Tamara Potikha, Ezra Ella, Lina Mizrahi, Deborah Olam, Orit Pappo, Juan P. Cerliani, Gabriel A. Rabinovich, Eithan Galun, Daniel Goldenberg
Oncotarget (2016) 7:31738-31754

►219. Ligand-mediated galectin-1 endocytosis prevents intraneural H_2O_2 production promoting F-actin dynamics reactivation and axonal re-growth.
Héctor R. Quintá, C. Wilson, C. Gonzáles-Billault, Ada G. Blidner, Laura A. Pasquini , Gabriel A. Rabinovich, Juana M. Pasquini
Exp Neurol (2016) 283(Pt A):165-178.

►220. System-level effects of ectopic galectin-7 reconstitution in cervical cancer cells and their microenvironment
Juan C. Higareda-Almaraz, Juan S. Ruiz-Moreno, Jana Klimentova, Daniela Barbieri, Raquel Salvador-Gallego, Regina Ly, Christiane Dinsart, Christa Flechtenmacher, Karin Müller-Decker, Gabriel A. Rabinovich, Jiri Stulik, Frank Rösl, Bladimiro Rincon-Orozco.
BMC Cancer (2016) 24;16:680

►221. Clinical relevance of galectin-1 in haematologic malignancies treated with non-myeloablative haemopoietic stem cell transplantation
Irma Petruskevicius, Maja Ludvigsen, Rikke Hjortebjerg, Betina S. Sørensen, Bendt Nielsen, Bent Honoré, Peter Kamper, Maja Vase, Aparna Udupi, Peter Hokland, Gabriel A. Rabinovich and Francesco A. d'Amore
Bone Marrow Transplant (2016) 51:1387-1390

►222. Galectin-1 circumvents lysolecithin-induced demyelination through the modulation of microglial polarization and phagocytosis and oligodendroglial differentiation
Mariana Rinaldi, Juana Pasquini, Patricia Mathieu, Gabriel A. Rabinovich, Laura A. Pasquini
Neurobiol Dis (2016) 96: 127-143

►223. The role of galectin-3: from oligodendroglial differentiation to demyelination and remyelination processes in a cuprizone-induced demyelination model.
Hoyos HC, Marder M, Ulrich R, Gudi V, Stangel M, Rabinovich GA, Pasquini LA, Pasquini JM.
Adv Exp Med Biol (2016) 949:311-332.

►224. Shaping the immune landscape in cancer by galectin-driven regulatory pathways
Gabriel A. Rabinovich and José R Conejo García
J Mol Biol (2016) 428:3266-3281.

►225. Glyco-Nano-Ocology: Novel therapeutic opportunities by combining small and sweet
Pablo F. Hockl, Alejandro Wolosiuk, Juan M. Pérez Sáez, Andrea Bordoni, Diego O. Croci, Yamili Toum, Galo Soler Illia and Gabriel A. Rabinovich
Pharmacol Res (2016) 109:45-54.

►226. Driving CARs into sweet roads: targeting glycosylated antigens in cancer
Ada Blidner, Karina Mariño and Gabriel Rabinovich
Immunity (2016) 44:1248-1250.

►227. Turning-off signaling by Siglecs, Selectins and Galectins: Chemical inhibition of glycan-dependent interactions in cancer
Alejandro Cagnoni, Juan M. Pérez-Saez, Gabriel Rabinovich*, Karina Mariño* (*co-senior)
Front Oncol (2016) 13;6:109.

►228. Challenges for scientists in Latin America
Alexis M. Kalergis, Marcus Lacerda, Gabriel A. Rabinovich, & Yvonne Rosenstein
Trends Mol Med (2016) S1471-4914(16)30075-2.

►229. Translating the 'sugar code' into immune and vascular signaling programs
Juan P Cerliani, Ada G. Blidner, Marta A. Toscano, Diego Croci, Gabriel A. Rabinovich
Trends Biochem Sci **(TIBS)** (2017) 42:255-273
Highlighted as Feature Article

►230. Galectins: emerging regulatory checkpoints linking tumor immunity and angiogenesis
Santiago P. Méndez Huergo, Ada G. Blidner and Gabriel A. Rabinovich
Curr Opin Immunol (2017) 45:8-15.

►231. Galectin-1-driven tolerogenic programs aggravate *Yersinia enterocolitica* infection by repressing antibacterial immunity
Roberto Davicino, Santiago Méndez Huergo, Javier R Elicabe, Juan C. Stupirski, Ingo Autenrieth, Silvia Di Genaro, Gabriel A. Rabinovich
J Immunol (2017) 199:1382-1392.

►232. A mucin-like peptide from fasciola hepatica instructs dendritic cells with Th1-polarizing activity and confers protection against fasciolosis
Verónica Noya, Natalie Brossard, Ernesto Rodríguez, Sebastián Dergan-Dylon, Carlos Carmona, Gabriel A. Rabinovich, Teresa Freire
Sci Rep (2017) 12;7:40615.

►233. Association between IL-17 and IgA in the joints of patients with inflammatory arthropathies

Ricardo J Eliçabe; Juan E Silva; Mabel N Dave; María G Lacoste; Héctor Tamashiro; Rodrigo Blas; Alicia Munarriz; Gabriel A Rabinovich; M Silvia Di Genaro
BMC Immunol (2017) 18:8.

►234. Galectin-1 expression imprints a neurovascular phenotype in proliferative retinopathies and delineates responses to anti-VEGF
Magalí E. Ridano; Patricia V. Subirada; María C. Paz, Viviana Lorenc, Juan C. Stupirski; A. Gramajo, José D. Luna. Diego O. Croci, Gabriel A. Rabinovich* , María C. Sánchez* (*co-senior)
Oncotarget (2017) 16;8:32505-32522.

►235. Galectin-1: A jack-of-all trades in the resolution of acute and chronic inflammation
Victoria Sundblad*, Luciano G. Morosi*, Jorge R. Geffner, Gabriel A. Rabinovich,
J Immunol (2017) 199:3721-3730

►236. Immune-mediated and hypoxia-regulated programs: Accomplices in resistance to anti-angiogenic therapies
Diego O. Croci, Santiago P Mendez-Huergo, Juan P. Cerliani and Gabriel A. Rabinovich
Hand Exp Pharmacol (2017) Doi: 10.1007/164_2017_29.

►237. *In vivo* hemin pre-conditioning targets the vascular and immunological compartments and restrains prostate tumor development
Jaworski FM, Gentilini LD, Gueron G, Meiss R, Ortiz EG, Berguer PM, Ahmed A, Navone N, Rabinovich GA, Compagno D, Laderach D, Vazquez ES
Clin Cancer Res (2017) 23:5135-5148.
Featured in the journal

►238. Predictive value of galectin-1 in the development and progression of HIV-associated lymphoma
Maja Ølholm Vase, Maja Ludvigsen, Knud Bendix, Stephen Hamilton Dutoit, Rikke Hjortebjerg, Irma Petruskevicius, Michael Boe Møller, Court Pedersen, Gitte Pedersen, Niels Obel, Bent Honoré, Gabriel A. Rabinovich, Carsten Schade Larsen, Francesco d'Amore
AIDS (2017) 31:2311-2313.

►239. Proteomic analysis identifies galectin-1 as a novel regulatory component of the cytotoxic granule machinery
Clemente T.; Vieira N.J.; Cerliani J.P., Adrain, C.; Luthi, A.; Dominguez, M.R.; Yon, M.; Barrence, F. C.; Cummings, R.D.; Zorn, T.; Amigorena, S.; Dias-Baruffi, M.; Rodrigues, M.M.; Martin, S.J., Rabinovich, G.A.; Amarante-Mendes, G.P.
Cell Death Dis (2017) 7(12):e3176.

►240. Galectin-1 expression delineates response to treatment in celiac disease patients
Victoria Sundblad, Amado A. Quintar, Luciano G. Morosi, Sonia Niveloni, , Ana Cabanne, Horacio Vazquez, Edgardo Smecuol, María L. Moreno, Roberto Mazure, Eduardo Mauriño, Karina Mariño, Julio C. Bai, Cristina Maldonado and Gabriel A. Rabinovich
Front Immunol (2018) 9:379.

►241. Glycosylation-dependent galectin-receptor interactions promote *Chlamydia trachomatis* infection

Agustín L. Luján, Diego O. Croci, Julián A. Gambarte Tudela, Antonella D. Losinno, Alejandro J. Cagnoni, Karina V. Mariño María T. Damiani and Gabriel A. Rabinovich
Proc Natl Acad Sci USA (2018) 115:E6000-E6009.

►242. Peripheral neuroimmunoendocrine interactions: TNFRp55 contribution to the circadian synchronization of progesterone and cytokine production in joints of mice at late-pregnancy
José L. Arias, Andrea C. Mayordomo, Juan E. Silva, Juan A. V. Ragusa, Gabriel A. Rabinovich, Ana C. Anzulovich, María S. Di Genaro
Neuroimmunomodulation (2018) 25:153-162.

►243. Targeting galectin-1 inhibits pancreatic cancer progression by modulating tumor-stroma cross-talk
Carls Alberto Orozco, Neus Martinez-Bosch, Pedro Enrique Guerrero, Judith Vinaixa, Tomás Dalotto-Moreno, Mar Iglesias, Mireia Moreno, Magdolna Djurec, Françoise Poirier, Hans-Joaquim Gabius, Martin Fernandez-Zapico, Rosa F. Hwang, Carmen Guerra, Gabriel A. Rabinovich* and Pilar Navarro*
(*co-seniors)
Proc Natl Acad Sci USA (2018) 115:E3769-E3778.

►244. IRE1α-XBP1 signaling promotes T cell metabolic dysfunction in ovarian cancer by limiting glutamine influx
Minkyung Song, Tito A. Sandoval, Chang-Suk Chae, Sahil Chopra, Melanie R. Rutkowski, Mahesh Raundhal, Ricardo A. Chaurio, Kyle K. Payne, Csaba Konrad, Sarah E. Bettigole, Hee Rae Shin, Michael J. Crowley, Juan P. Cerliani, Andrew V. Kossenkov, Ievgen Motorykin, Sheng Zhang, Giovanni Manfredi, Dmitriy Zamarin, Kevin Holcomb, Paulo C. Rodriguez, Gabriel A. Rabinovich, Jose R. Conejo-Garcia, Laurie H. Glimcher and Juan R. Cubillos-Ruiz
Nature (2018) 562:423-428.
-Highlighted by Cell Metabolism

►245. Galectins: Key players at the frontiers of innate and adaptive immunity
Verónica Martinez Allo, Marta Toscano, Nicolás Pinto, Gabriel A. Rabinovich
Trends Glycosci Glycotechnol (Special Issue: Galectins). (2018) 30: SE97–SE107

►246. Glycans pave the way of immunotherapy in triple negative breast cancer
Mariana Salatino, M. Romina Girotti, Gabriel Rabinovich
Cancer Cell (2018) 33:155-157.

►247. Untangling galectin-driven regulatory circuits in autoimmune inflammation
Marta Toscano, Verónica Martinez Allo, Anabela Cutine, Gabriel A. Rabinovich*, Karina V. Mariño* (*co-senior),
Trends Mol Med (2018) Pii: S1471-4914(18)30032-7.
Featured in the Cover

►248. Cross-talk between fibroblasts, endothelial cells and immune cells mediated by galectins in the tumor microenvironment
María Teresa Elola, Fátima Ferragut, Santiago Méndez Huergo, Candelaria Bracalente, Diego Croci and Gabriel Rabinovich
Cell Immunol (2018) 333:34-45.

►249. Molecular mechanisms of cell death: recommendations of the nomenclature committee on cell death 2018
Lorenzo Galluzzi, Ilio Vitale, Stuart A. Aaronson, John M. Abrams, Dieter Adam, Patrizia Agostinis, Emad S. Alnemri, Lucia Altucci, Ivano Amelio, David W. Andrews, Margherita Annicchiarico-Petruzzelli, Eli Arama, Eric H. Baehrecke, Nicolas G. Bazan, Mathieu J. M. Bertrand, Katiuscia Bianchi, Mikail V. Blagosklonny, Klas Blomgren, Christoph Borner, Patricia Boya, Catherine Brenner, Michelangelo Campanella, Eleonora Candi, Didac Carmona-Gutierrez, Francesco Cecconi, Francis K.-M. Chan, Navdeep S. Chandel, Emily H. Cheng, Jerry E. Chipuk, John A. Cidlowski, Aaron Ciechanover, Gerald M. Cohen, Marcus Conrad, Juan R. Cubillos-Ruiz, Peter E. Czabotar, Ted M. Dawson, Valina L. Dawson, Vincenzo De Laurenzi, Ruggero De Maria, Klaus-Michael Debatin, Ralph J. Deberardinis, Mohanish Deshmukh, Nicola Di Daniele, Francesco Di Virgilio, Vishva M. Dixit, Scott J. Dixon, Colin S. Duckett, Brian D. Dynlacht, Wafik S. El-Deiry, John W. Elrod, Gian Maria Fimia, Simone Fulda, Ana J. García-Sáez, Abhishek D. Garg, Carmen Garrido, Evripidis Gavathiotis, Pierre Golstein, Eyal Gottlieb, Douglas R. Green, Llyod A. Greene, Hinrich Gronemeyer, Atan Gross, Gyorgy Hajnoczky, J. Marie Hardwick, Michael O. Hengartner, Claudio Hetz, Hidenori Ichijo, Marja Jäättelä, Bertrand Joseph, Philipp J. Jost, Philippe P. Juin, William J. Kaiser, Michael Karin, Thomas Kaufmann, Oliver Kepp, Adi Kimchi, Richard N. Kitsis, Daniel J. Klionsky, Richard A. Knight, Sharad Kumar, Sam W. Lee, John J. Lemasters, Beth Levine, Andreas Linkermann, Stuart A. Lipton, Richard A. Lockshin, Carlos Lopez-Otin, Scott W. Lowe, Tom Luedde, Enrico Lugli, Marion macfarlane, Frank Madeo, Tak W. Mak, Walter Malorni, Gwenola Manic, Jean-Christophe Marine, Seamus J. Martin, Jean-Claude Martinou, Jean Paul Medema, Patrick Mehlen, Pascal Meier, Sonia Melino, Edward A. Miao, Jeffery D. Molkentin, Ute M. Moll, Cristina Munoz-Pinedo, Shigekazu Nagata, Gabriel Nuñez, Andrew Oberst, Moshe Oren, Michael Overholtzer, Michele Pagano, Theocharis Panaretakis, Manolis Pasparakis, Josef M. Penninger, David M. Pereira, Shazib Pervaiz, Marcus E. Peter, Mauro Piacentini, Paolo Pinton, Jochen H.M. Prehn, Hamsa Puthalakath, Gabriel A. Rabinovich, Markus Rehm, Rosario Rizzuto, Cecilia M.P. Rodrigues, David C. Rubinsztein, Thomas Rudel, Kevin M. Ryan, Luca Scorrano, Feng Shao, Yufang Shi, John Silke, Hans-Uwe Simon, Antonella Sistigu, Perter K. Sorger, Hermann Steller, Brent R. Stockwell, Andreas Strasser, Gyorgy Szabadkai, Stephen W.G. Tait, Daolin Tang, Nektarios Tavernarakis, Andrew Thorburn, Yoshihide Tsujimoto, Boris Turk, Tom Vanden Berghe, Peter Vandenabeele, Matthew G. Vander Heiden, Andreas Villunger, Herbert W. Virgin, Karen H. Vousden, Domagoj Vucic, Erwin F. Wagner, Henning Walczak, David Wallach, James A. Wells, Will Wood, Junying Yuan, Zahra Zakeri, Boris Zhivotovsky, Laurence Zitvogel, Gerry Melino and Guido Kroemer
Cell Death Differ (2018) 25:486-541.

►250. Galectin-1 as an emerging mediator of cardiac inflammation: mechanisms and therapeutic implications
Ignacio Seropian, Germán González, Daniel Berrocal, Sebastián Maller, Antonio Abbate, Gabriel Rabinovich
Mediators Inflamm (2018): 8696543.

►251. Immunotherapy in Cancer: Current Prospects, Challenges and New Horizons
Tomás Dalotto-Moreno, Ada G. Blidner, M. Romina Girotti, Sebastián M. Maller, and Gabriel A. Rabinovich
Medicina (2018) 78:336-348

►252. Consensus guidelines for the use and interpretation of assays for the assessment and analysis of angiogenesis
Patrycja Nowak-Sliwinska, Kari Alitalo, Elisabeth Allen, Andrey Anisimov, Alfred C. Aplin, Robert Auerbach, Hellmut G. Augustin, David O. Bates, Judy R. Van Beijnum, Hugh F. Bender, Gabriele Bergers, Andreas Bikfalvi, Joyce Bischoff, Barbara C. Böck, Peter C. Brooks, Federico Bussolino, Bertan Cakir, Peter Carmeliet,

Daniel Castranova, Anca M. Cimpean, Ondine Clever, George Coukos, George E. Davis, Michele De Palma, Anna Dimberg, Ruud P.M. Dings, Valentin Djonov, Andrew C.Dudley, Neil P. Dufton, Sarah-Maria Fendt, Napoleone Ferrara, Marcus Fruttiger, Dai Fukumura, Bart Ghesquière, Yan Gong, Robert J. Griffin, Adrian L. Harris, Christopher C.W. Hughes, Nan W. Hultgren, Luisa Iruela-Arispe, Melita Irving, Rakesh K. Jain, Raghu Kalluri, Joanna Kalucka, Robert S. Kerbel, Jan Kitajewski, Ingeborg Klaassen, Hynda K. Kleinmann, Pieter Koolwijk, Elisabeth Kuczynski, Brenda Kwak, Evirpidis Lanitis, Koen Marien, Juan M. Melero-Martin, Lance L. Munn, Roberto F. Nicosia, Agnes Noel, Jussi Nurro, Anna-Karin Olsson, Tatiana V. Petrova, Kristian Pietras, Roberto Pili, Jeffrey W. Pollard, Mark J. Post, Paul H. A. Quax, Gabriel A. Rabinovich, Marius Raica, Anna M. Randi, Domenico Ribatti, Curzio Ruegg, Reinier O. Schlingemann, Stefan Schulte-Merker, Lois E. H. Smith, Jonathan W. Song, Steven A. Stacker, Amber N. Stratman, Maureen Van de Velde, Victor W. M. Van Hinsbergh, Peter W. Vermeulen, Johannes Waltenberger, Brent Weinstein, Bahar Yetin-Arik, Seppo Yla-Herttuala, Mervin Yoder, Arjan W. Griffioen
Angiogenesis (2018) 21:425-532

►253. Clinical relevance of galectin-1 and galectin-3 in rheumatoid arthritis patients: differential regulation and correlation with disease activity
Santiago P. Mendez-Huergo, Pablo F. Hockl, Juan C. Stupirski, Sebastián M. Maller, Luciano G. Morosi, Nicolás A. Pinto, Ana M. Berón, Jorge L. Musuruana, Gustavo Nasswetter, Javier A. Cavallasca and Gabriel A. Rabinovich
Front Immunol (2019) 9:3057.

►254. Targeting TMEM176b enhances antitumor immunity and augments the efficacy of immune checkpoint blockers by unleashing inflammasome activation.
Mercedes Segovia , Sofia Russo, Mathias Jeldres, Yamil Mahmoud, Valentina Perez, Maite Duhalde, Pierre Charnet, Mathieu Rousset, Bernard Vanhove, Rodrigo Andrés Floto, Ignacio Anegon, Maria Cristina Cuturi, M. Romina Girotti*, Gabriel A. Rabinovich* Marcelo Hill*, (*co-senior authors)
Cancer Cell (2019) 35: 767-781.E6
Highlighted by a Commentary in Cancer Discovery

►255. Triiodothyronine (T3)-activated dendritic cells instruct differentiation of IL-17 producing gamma-delta T cells
Vanina A. Alamino, María del M. Montesinos, Fernando Soler, L. Giusiano, Nicolás Gigena, Santiago Méndez-Huergo, Sebastián M. Maller, Gabriel A. Rabinovich and Claudia G. Pellizas
Cell Physiol Biochem (2019) 52:354-367.

►256. Multiple concomitant mechanisms contribute to low platelet count in patients with immune thrombocytopenia
Matías Grodzielski, Nora P Goette, Ana C Glembotsky, M. Constanza Baroni Pietto, Santiago P Méndez-Huergo, Marta S Pierdominici, Verónica S Montero, Gabriel A Rabinovich, Felisa C Molinas, Paula G Heller, Paola R Lev, Rosana F Marta
Sci Rep (2019)18;9(1):2208.

►257. Dual knockdown of galectin-8 and activated leukocyte cell adhesion molecule (ALCAM/CD166) synergistically prevents cell-cell interactions and delays *in vivo* breast cancer growth
Fátima Ferragut, Alejandro J. Cagnoni, Lucas L. Colombo, Clara Sánchez Terrero, Carlota Wolfenstein-Todel, María F. Troncoso, Silvia I. Vanzulli, Gabriel A. Rabinovich, Karina V. Mariño, María T. Elola

Biochem Biophys Acta Mol Cell Res (2019) 1866:1338-1352.

►258 Lack of galectin-1 exacerbates chronic hepatitis, liver fibrosis and carcinogenesis in murine hepatocellular carcinoma
Tamara Potikha, Orit Pappo, Lina Mizrahi, Devorah Olam, Sebastián M. Maller, Gabriel A. Rabinovich, Eithan Galun, Daniel S. Goldenberg
FASEB J (2019) 33:7995-8007.

►259. Sustained production of growth hormone induces expression of the pro-tumorigenic galectin-1 in mice liver María. Bacigalupo , Verónica G. Piazza , Nadia S. Cicconi , Pablo Carabias , Andrzej Bartke , Yimin Fang, Ana I. Sotelo , Gabriel A. Rabinovich, María F. Troncoso and Johanna G. Miquet
Endocrine Connect (2019) 8:1108-1117.

►260. An adipose tissue galectin controls endothelial cell function via preferential recognition of 3-fucosylated glycans
Sebastián M. Maller, Alejandro J. Cagnoni, Nadia Bannoud, Juan M. Pérez Sáez, Lorena Sigaut, Lia Pietrasanta, Ri-Yao Yang, Fu-Tong Liu, Diego O. Croci, Santiago di Lella, Victoria Sundblad, Karina V. Mariño* Gabriel A. Rabinovich* (*co-senior authors)
FASEB J (2020) 34:735–753.

►261. Glioblastomas exploit truncated O-linked glycans for local and distant immune modulation via the macrophage galactose-type lectin
Sophie A. Dusoswa, Jan Verhoeff, Santiago P. Méndez Huergo, Diego O. Croci, Erik Abels, Valerie M.C.J. Wouters, Myron G. Best, J. Ernesto Rodriguez, Lenneke A.M. Cornelissen, Sandra J. Van Vliet, P. Wesseling, Xandra O. Breakefiel, David P. Noske, Thomas Würdinger, Marike L.D. Broekman, Gabriel A. Rabinovich, Yvette van Kooyk, Juan J. Garcia-Vallejo (GAR and JJGV are co-corresponding authors)
Proc Natl Acad Sci USA (2020) 117:3693-3703.

►262. Expression and function of cathelicidin LL-37 in chronic lymphocytic leukemia
Enrique Podaza, Florencia Palacios, Diego O. Croci, Denise Risnik, Xiao J Yan, Maria B. Almejún, Ana Colado, Esteban E. Elías, Mercedes Borge, Pablo E. Morande, Raimundo F. Bezares, Horacio Fernández-Grecco, Gabriel A. Rabinovich, Romina Gamberale, Nicholas Chiorazzi and Mirta Giordano
Haematologica (2020) haematol.2019.227975. doi: 10.3324/haematol.2019.227975.

►263. High intratumoral galectin-1 expression predicts adverse outcome in CD30+ and ALK- nodal peripheral T-cell lymphomas
Johanne Marie Holst, Maja Ludvigsen, Stephen Jacques Hamilton, Knud Bendix, Trine Plesner, Peter Nørgaard, Michael Møller, Torben Steiniche, Gabriel Rabinovich, Francesco d'Amore, Martin Bjerregård Pedersen.
Hematol Oncol (2020) 38; 59-66.

►264. Galectin-1 facilitates macrophage reprogramming and resolution of inflammation through IFN-β
Hiba Yaseen, Sergei Butenko, Irina Polishuk-Zotkin, Sagie Schif-Zuck, Juan M. Pérez-Sáez, Gabriel A. Rabinovich and Amiram Ariel
Front Pharmacol (2020) 11:901. doi: 10.3389/fphar.2020.00901.

►265. Full-length galectin-8 and separate carbohydrate recognition domains: The whole is greater than the sum of Its parts?
Alejandro Cagnoni, María F. Troncoso Gabriel A. Rabinovich, Karina V. Mariño,María T. Elola
Biochem Soc Transact (2020) BST20200311. doi: 10.1042/BST20200311. Online ahead of print.

►266. Suppression of age-related salivary gland autoimmunity via N-glycan-dependent galectin-1-driven immune inhibitory circuits
Verónica C. Martínez Allo, Vanesa Hauk*, Nicolás Sarbia*, Nicolás A. Pinto, Diego O. Croci, Tomás Dalotto Moreno, M. Rosa Morales, Sabrina Gatto, Montana N. Manselle Cocco, Juan C. Stupirski, Ángel Deladoey, Priscila Marcaida, Virginia Durigan, Anastasia Secco, Marta Mamani, Alicia Dos Santos, Antonio Catalán Pellet, Claudia Pérez Leiros, Marta A. Toscano* ,Gabriel A. Rabinovich* , (*co-seniors).
Proc Natl Acad Sci USA (2020) 117:6630-6639.

►267. Single cell profiling reveals an endothelium-mediated immunomodulatory pathway in the eye choroid
Guillermo L. Lehmann, Christin Hanke-Gogokhia, Yang Hu, Rohan Bareja, Zelda Salfati, Michael Ginsberg, Daniel J. Nolan, Alexandre Wojcinski, Shemin Zeng, Robert F. Mullins, Shuntaro Ogura, Gerard A. Lutty, Jakyung Bang, Jonathan H. Zippin, Juan P. Cerliani, Santiago P. Mendez-Huergo, Tomas Dalotto-Moreno, Gabriel A. Rabinovich, Olivier Elemento, Alexandra L. Joyner, Shahin Rafii, Enrique Rodriguez-Boulan, Ignacio Benedicto
J Exp Med (2020) 217(6):e20190730

►268. Tumor necrosis factor receptor-1 (p55) deficiency attenuates tumor growth and intratumoral angiogenesis and stimulates CD8+ T cell function in melanoma.
Yamila I Rodriguez, Nadia Bamond, Ludmila E. Campos, Melina G. Castro, Ada G. Blidner, Verónica Filippa, Diego O. Croci, Gabriel A. Rabinovich, Sergio E. Alvarez
Cells (2020) 9(11):2469. doi: 10.3390/cells9112469.

►269. Sweetening the Hallmarks of Cancer: Galectins as Multifunctional Mediators of Tumor Progression
M. Romina Girotti, Mariana Salatino, Tomas Dalotto Moreno and Gabriel A. Rabinovich
J Exp Med (2020) 217(2):e20182041.

►270. Role of inflammasome activation in tumor immunity triggered by Immune checkpoint blockers
Mercedes Segovia, Sofía Russo , Maria Romina Girotti, Gabriel A. Rabinovich and Marcelo Hill
Clin Exp Immunol (2020) 200:155-162.

►271. Use of plasma from convalescent patients for treatment of COVID-19: the CPC-19 experience
Florencia Mcallister, Adriana Mantegazza, Felix Garzon, Viviana Rotbaum, Graciela Ramondino, Monica Vazquez Larsson, Gabriel A. Rabinovich and Laura Bover
Medicina (2020) 80 3:82-86.

►272. Impact of galectins in resistance to anticancer therapies
Pilar Navarro, Neus Martinez-Bosch, Ada G. Blidner and Gabriel Rabinovich
Clin Cancer Res (2020) 26(23):6086-6101. doi: 10.1158/1078-0432.CCR-18-3870.

►273. The paradoxical role of inflammation in settings of PD-1 blockade
Marcelo Hill, Mercedes Segovia, María R. Girotti, Gabriel A. Rabinovich

Trends Immunol (2020) 41(11):982-993. doi: 10.1016/j.it.2020.09.003.

►274. Recalibrating immunity in cancer and autoimmune inflammation by galectin-driven circuits
Camila Bach, Anabela Cutine, Yamil Mahmoud, Montana Manselle Cocco, Joaquín Merlo, Ramiro Perrota, Nicolás Sarbia, Florencia Veigas, Gabriel Rabinovich
Science Rev (2020) 2 (1) 42-63.

►275. Enhanced antitumor immunity via endocrine therapy prevents mammary tumor relapse and increases immune checkpoint blockade sensitivity.
Gonzalo R. Sequeira, Ana Sahores, Tomás Dalotto-Moreno, Ramiro M. Perrotta, Gabriela Pataccini, Silvia I. Vanzulli, María L. Polo, Derek Radisky, Carol Sartorius, Virginia Novaro, Caroline A. Lamb, Gabriel A. Rabinovich, Mariana Salatino, Claudia Lanari
Cancer Res (2021) 81(5):1375-1387. doi: 10.1158/0008-5472.CAN-20-1441

►276. Characterization of a neutralizing anti-galectin-1 monoclonal antibody with concomitant angioregulatory and immunomodulatory activities
Juan M. Pérez Saez, Pablo F. Hockl, Alejandro J. Cagnoni, Santiago P. Méndez Huergo, Pablo A. García, Sabrina G. Gatto, Juan P. Cerliani, Diego O. Croci and Gabriel A. Rabinovich
Angiogenesis (2021) 24(1):1-5. doi: 10.1007/s10456-020-09749-3

►277. Oligonucleotide IMT504 improves glucose metabolism and controls immune cell mediators in female diabetic NOD mice
Stefania Bianchi, Verónica Martínez Allo, Milena Massimino, María del R. Lavignolle Heguy, Francisco R. Borzone, Norma A. Chasseing, Carlos Libertun, Alejandro D. Montaner, Gabriel A. Rabinovich, Marta A. Toscano, Victoria A. Lux-Lantos and María S. Bianchi
Nucleic Acid Ther (2021) 31(2):155-171. doi: 10.1089/nat.2020.0901.

►278. Unveiling the immune infiltrate modulation in cancer and response to immunotherapy by MIXTURE, an enhanced deconvolution method.
Elmer A. Fernández *, Yamil D. Mahmoud, Florencia Veigas, Darío Rocha, Monica Balzarini,
Hugo D. Lujan, Gabriel A. Rabinovich and M. Romina Girotti*
Brief Bioinform (2021) bbaa317. doi: 10.1093/bib/bbaa317

►279. Tissue-specific control of galectin-1-driven circuits during chronic inflammation
Anabela Cutine, Camila Bach, Florencia Veiga, Joaquín Merlo, Lorena Laporte, Montana Manselle Cocco, Mora Massaro, Nicolás Sarbia, Ramiro Perrotta, Yamil Mahmoud, Gabriel Rabinovich
Glycobiology (2021) doi: 10.1093/glycob/cwab007.
Selected as Editor Choice

►280. Circulating galectin-1 and galectin-3 in sera from patients with systemic sclerosis: associations with clinical features and treatment
Victoria Sundblad, Ramiro A. Gomez, Juan C. Stupirski, M.S. Pino, Pablo F. Hockl, Hugo Laborde and Gabriel A. Rabinovich
Front Pharmacol (2021) 20;12:650605. doi: 10.3389/fphar.2021.650605

►281. Intracellular immune sensing promotes inflammation via gasdermin D-driven release of a lectin alarmin.
Ashley J Russo, Swathy O Vasudevan, Santiago P Méndez-Huergo, Puja Kumari, Antoine Menoret, Shivalee Duduskar, Chengliang Wang, Juan M Pérez Sáez, Margaret M Fettis, Chuan Li, Renjie Liu, Arun Wanchoo, Karthik Chandiran, Jianbin Ruan, Sivapriya Kailasan Vanaja, Michael Bauer, Christoph Sponholz, Gregory A Hudalla, Anthony T Vella, Beiyan Zhou, Sachin D Deshmukh, Gabriel A Rabinovich, Vijay A Rathinam
Nature Immunol. (2021) 22:154-165. doi: 10.1038/s41590-020-00844-7.

►282. Control of intestinal inflammation by glycosylation-dependent lectin-driven immunoregulatory circuits
Luciano G. Morosi, Anabela M. Cutine, Alejandro J. Cagnoni, Montana N. Manselle-Cocco, Diego O. Croci, Joaquín P. Merlo, Rosa M. Morales, María May, Juan M. Pérez-Sáez, María R. Girotti, Santiago P. Méndez-Huergo, Betiana Pucci, Aníbal H. Gil, Sergio P. Hornos, Guillermo H. Docena, Alicia M. Sambuelli, Marta A. Toscano, Karina V. Mariño*, Gabriel A. Rabinovich* (*co-senior authors)
Science Adv (2021) 7(25):eabf8630. doi: 10.1126/sciadv.abf8630.

►283. Galectin-1 fosters an immunosuppressive microenvironment in colorectal cancer by reprogramming CD8+ regulatory T cells
Alejandro J. Cagnoni, M. Laura Giribaldi, Ada G. Blidner, Anabela M. Cutine, Sabrina Gatto, Rosa Morales, Mariana Salatino, Martín C. Abba, Diego O. Croci, Karina V. Mariño*, Gabriel A. Rabinovich*
Proc Natl Acad Sci U S A. (2021) 118(21):e2102950118. doi: 10.1073/pnas.2102950118.

►284. A minigene DNA vaccine encoding peptide epitopes derived from galectin-1 has protective antitumoral effects in a model of neuroblastoma
Laura Liebscher, Christine Weißenborn, Stefanie Langwisch, Björn-Oliver Gohlke, Robert Preissner, Gabriel A. Rabinovich, Nina Christiansen, Holger Christiansen, Ana Claudia Zenclussen, Stefan Fest
Cancer Lett (2021) S0304-3835(21)00125-7. doi: 10.1016/j.canlet.2021.03.020.

►285. Hypoxia supports differentiation of terminally exhausted CD8 T cells
Nadia Bannoud, Tomás Dalotto-Moreno, Lucía Kindgard, Pablo A. García, Ada G. Blidner, Karina V. Mariño, Gabriel A. Rabinovich, Diego O. Croci
Front Immunol (2021) 7;12:660944. doi: 10.3389/fimmu.2021.660944

►286. Spatiotemporal regulation of galectin-1-induced T-cell death in lamina propria from Crohn disease and ulcerative colitis patients
Rodrigo Pappa Gobbi, Cecilia Muglia, Andrés Rocca, Renata Curciarello, Luciano G. Morosi, Alicia Sambuelli, Martín Yantorno, Antonio di Sabatino, Paolo Bianchieri, Thomas T. MacDonnald, Marta A. Toscano, Karina V. Mariño, Gabriel A. Rabinovich*, Guillermo H Docena* (*co-seniors)
Apoptosis (2021), 26(5-6):323-337. doi: 10.1007/s10495-021-01675-z.

►287. Enhanced galectin-7 expression favors wound healing
Nicolás Pinto, Gabriel A. Rabinovich, J. Cerliani, Victoria Sundblad
J Dermatol, (2021) *48(10):1616-1618. doi: 10.1111/1346-8138.16048.*

►288. The macrophage Gal/GalNac lectin 2 (MGL2) fosters tumor growth by promoting angiogenesis and immunosuppression via interaction with Tn antigen.

Valeria da Costa, Sandra J. van Vliet, Paula Carasi Alejandro J. Cagnoni, Sofía Frigerio, Diego O. Croci, Anabela M. Cutine, Florencia Festari, Monique da Silva, Mercedes Landeira, Santiago Rodríguez, Gabriel A. Rabinovich, Eduardo Osinaga, Karina V. Mariño, Teresa Freire
Cancer Lett (2021) 16;518:72-81. doi: 10.1016/j.canlet.2021.06.012

►289. Galectin-1 impacts on glucose homeostasis by modulating pancreatic insulin release
Victoria Sundblad, Isabel A. García Tornadu, Ana Ornstein, Verónica C. Martínez Allo, Montana Manselle Cocco, M. Rosa Morales, Sabrina G. Gatto, Diego O. Croci, Damasia Becu Villalobos*, and Gabriel A. Rabinovich*
Glycobiology (2021) May 8:cwab040. doi: 10.1093/glycob/cwab040.
Selected as Editor Choice

►290. Galectin-1 cooperates with *Yersinia outer protein* (yop) P to thwart protective immunity by repressing nitric oxide production
Brenda L Jofre, Ricardo J Eliçabea, Juan E Silva, Juan M Pérez Saez, , Maria D Paez, Eduardo Callegari, Karina V Mariño, María Silvia Di Genaro, Gabriel A Rabinovich,Roberto C Davicino
Biomolecules, (2021) 11(11):1636. doi: 10.3390/biom11111636.

►291. Immune checkpoint pathways in head and neck suamous cell carcinoma. Florencia Veigas, Adriana Rinflerch, Yamil D. Mahmoud, Joaquín P. Merlo, Gabriel A. Rabinovich, M. Romina Girotti
Cancers, (2021) 13(5), 1018; https://doi.org/10.3390/cancers13051018

►292. Facing up to COVID-19 in Argentina.
Gabriel A. Rabinovich and Jorge R. Geffner
Nature Immunol (2021) Mar;22(3):264-265. doiC 10.1038/s41590-021-00873-w
Commentary invited for the Special Collection "Coping with COVID"

►293. Reprogramming tumor metastasis by targeting galectin pathways
Ramiro Perrota, Camila Bach, Mariana Salatino, Gabriel Rabinovich
Biochem J (2021) 478 (3): 597–617. https://doi.org/10.1042/BCJ20200167

►294. COVID-T: an integrated platform to monitor T-cell mediated immunity in vaccinated individuals and COVID-19 convalescent patients
Montana Manselle Cocco*, Florencia Veigas*, Ada G. Blidner, Alejandro J. Cagnoni, Tomás Dalotto-Moreno, Pablo F. Hockl, Alicia B. Sirino, Nicolás I. Torres, Valeria Wiersba and Gabriel A. Rabinovich
Medicina (2021) 2021;81(5):683-687.

►295. ALCAM/CD166: A pleiotropic mediator of cell adhesion, stemness and cancer progression
Fátima Ferraguta, Vanina S. Vachettaa, María F. Troncoso, Gabriel A. Rabinovich, María T. Elola
Cytokines and Growth Factor Rev, (2021) *61:27-37. doi: 10.1016/j.cytogfr.2021.07.001*

►296. Perspectives on emerging technologies, personalised medicine, and clinical research for cancer control in Latin America and the Caribbean
Gustavo Werutsky, Carlos H. Barrios, Andres F. Cardona, André J.A. M.S. de Albergaria, Alfonso Valencia, Carlos Gil Ferreira, Christian Rolfo, Evandro de Azambuja, Gabriel A. Rabinovich, Georgina Sposetti, Oscar Arrieta, Rodrigo Dienstmann, Taiane F Rebelatto, Valeria C Denninghoff, Veronica Aran, Eduardo Cazap

Lancet Oncology (2021), *2021 22(11):e488-e500. doi: 10.1016/S1470-2045(21)00523-4.*

►297. P-glycoprotein mediates galectin-1-induced resistance to doxorubicin in hepatocellular carcinoma cells
Pablo Carabias, María L Bacigalupo, Paola Rojas, Ayelén Rubin, Nicolás A Saffioti, María T Elola, Claudia Lanari, Juan P Rossi, Carlota Wolfenstein-Todel, María V Espelt, Gabriel A Rabinovich and María F Troncoso
Cell Death and Disease, (2022) 13(1):79. doi: 10.1038/s41419-022-04520-6

►298. Galectins as emerging glycocheckpoints and therapeutic targets in glioblastoma
Guillermo Videla-Richardson, Olivia Morris, Nicolás I. Torres, Myrian I. Esquivel, Luisina Ripari, Mariana B. Vera, Diego O. Croci, Gustavo Sevlever and Gabriel Rabinovich
International Journal of Medical Sciences (2022) 23(1):316. doi: 10.3390/ijms23010316
(Guest Editor: N. Taniguchi: Glycome of the CNS)

►299. Galectins in chagas´ disease: a missing link between trypanosoma cruzi infection, immunoregulation and tissue damage
Carolina Poncini*, Alejandro Benatar* , Karina Gomez**, Gabriel Rabinovich**
Frontiers in Microbiology.(2022) 12:794765
doi: 10.3389/fmicb.2021.794765, Special Issue "Glycans in infection

►300. Galectins: potential therapeutic targets in sexually-transmited infections
Agustin Lujan, Diego Croci, Teresa Damiani* Gabriel Rabinovich*, (¨*Equal contribution)
Nature Rev Urol, (2022) *Feb 1. doi: 10.1038/s41585-021-00562-1*

►301. Untangling galectin-mediated circuits that control hypoxia-driven angiogenesis
Nadia Bannoud, P. Alfredo García, Julian Gambarte-Tudela., Victoria Sundblad, Alejandro J. Cagnoni, Camila A. Bach, Juan M. Pérez Saez, Ada G. Blidner, Sebastián M. Maller, Karina V. Mariño, Mariana Salatino, Juan P. Cerliani, Gabriel A. Rabinovich and Diego O. Croci
Methods in Molecular Biology (2022)- eBook ISBN 978-1-0716-2055-7; DOI 10.1007/978-1-0716-2055-7

►302. L-Type Lectins.
Cummings RD, Etzler ME, Ramya TNC, Kato K, Rabinovich GA, Surolia A.
In: Varki A, Cummings RD, Esko JD, Stanley P, Hart GW, Aebi M, Mohnen D, Kinoshita T, Packer NH, Prestegard JH, Schnaar RL, Seeberger PH, editors. Essentials of Glycobiology [Internet]. 4th edition. Cold Spring Harbor (NY): Cold Spring Harbor Laboratory Press; 2022. Chapter 32.
PMID: 35536981

►303. Galectins.
Cummings RD, Liu FT, Rabinovich GA, Stowell SR, Vasta GR.
In: Varki A, Cummings RD, Esko JD, Stanley P, Hart GW, Aebi M, Mohnen D, Kinoshita T, Packer NH, Prestegard JH, Schnaar RL, Seeberger PH, editors. Essentials of Glycobiology [Internet]. 4th edition. Cold Spring Harbor (NY): Cold Spring Harbor Laboratory Press; 2022. Chapter 36.
PMID: 35536980

►304. Galectin-1 prevents pathological vascular remodeling in atherosclerosis and abdominal aortic aneurysm.

Raquel Roldán-Montero, Juan M Pérez-Sáez, Isabel Cerro-Pardo, Jorge Oller, Diego Martinez-Lopez, Estefania Nuñez, Sebastian M Maller, Carmen Gutierrez-Muñoz, Nerea Mendez-Barbero, Joan C Escola-Gil, Jean-Baptiste Michel, Maria Mittelbrunn, Jesús Vázquez, Luis M Blanco-Colio, Gabriel A Rabinovich*, Jose L Martin-Ventura* (*GAR and JLM are co-seniors)
Science Adv. (2022)18;8(11):eabm7322. doi: 10.1126/sciadv.abm7322.

►305. A dynamic interplay of circulating extracellular vesicles and galectin-1 reprograms viral latency during HIV-1 infection
Julia Rubione, Paula S. Péreza, Alejandro Czernikiera, Gabriel A. Duettea, Federico Pehuen Pereira Gerbera, Jimena Salido, Martina P. Fabiano, Yanina Ghiglione, Gabriela Turka, Natalia Laufer, Alejandro J. Cagnoni, Joaquín P. Merlo, Carla Pascuale, Juan C. Stupirski ,Omar Sued, Sharon R. Lewin, Karina V. Mariño, Gabriel A. Rabinovich*, Matias Ostrowski*(*GAR and MO are *co-seniors,),
mBio, (2022) 13(4):e0061122. doi: 10.1128/mbio.00611-22.

►306. Targeting galectin-driven regulatory circuits in cancer and fibrosis
Karina V. Mariño, Alejandro Cagnoni, Diego O. Croci and Gabriel A. Rabinovich
Nature Reviews Drug Discovery, In press, 2022

►307. Galectin-3 as a predictor of post cardiac surgery atrial fibrillation: a scoping review
Morgan King, Thomas Stambulic, Sawmmiya Kirupaharan, Adrian Baranchuk, Gabriel A. Rabinovich, Darrin Payne, Mohammad El-Diasty
Current Problems in Cardiology (2022) 47(10):101314. doi: 10.1016/j.cpcardiol.2022.101314

►308. The Tn antigen confers divergent immunomodulatory properties to lung tumor cells
Valeria da Costa,Karina V. Mariño, Santiago A. Rodríguez-Zraquia, María Florencia Festari, Pablo Lores, Monique Costa, Mercedes Landeira, Gabriel A. Rabinovich, Sandra J. van Vliet, Teresa Freire
Int J Mol Sci (2022) 23(19):12047. doi: 10.3390/ijms231912047.

►309. Circulating galectin-1 delineates response to bevacizumab in melanoma patients and reprograms endothelial cell biology
Nadia Bannoud*, Juan C. Stupirski*, Alejandro J. Cagnoni*, Pablo F. Hockl, Juan M. Pérez Saez, Pablo A. Garcia, Yamil D. Mahmoud, Julián Gambarte Tudela, Marco Scheidegger, Andrea Marshall, Pippa G. Corrie, Mark R. Middleton, Karina V. Mariño, M. Romina Girotti, Diego O. Croci and Gabriel A. Rabinovich
Proc Natl Acad Sci USA **(2023) 120(3):e2214350120. doi: 10.1073/pnas.2214350120.**

►310. Galectin-7 promotes skin carcinogenesis by fostering innate immune evasive programs
Nicolás A. Pinto, Martín C. Abba, Lorena Laporte, Juan M. Pérez Sáez, Ada G. Blidner, Nicolás I. Torres, Rosa M. Morales, Sabrina G. Gatto, Camila A. Bach, Hernán J. García Rivello, Peng Song, Jane H. Frederiksen, Lene Juel Rasmussen, Francoise Poirier, Diego O. Croci, Victoria Sundblad*, and Gabriel A. Rabinovich* ,Juan Cerliani, (*co-senior)
Cell Death Diff **(2023)** Jan 24. doi: 10.1038/s41418-022-01108-7.

►311. Selectively Modified Lactose and N-Acetyllactosamine Analogs at Three Key Positions to Afford Effective Galectin-3 Ligands.
Abdullayev S, Kadav P, Bandyopadhyay P, Medrano FJ, Rabinovich GA, Dam TK, Romero A, Roy R.
Int J Mol Sci**. (2023)** 24(4):3718. doi: 10.3390/ijms24043718.

►312. mRNAs encoding IL-12 and a decoy-resistant variant of IL-18 synergize to engineer T cells for efficacious intratumoral adoptive immunotherapy.
Irene Olivera, Elixabet Bolaños, Jose Gonzalez-Gomariz, Sandra Hervas-Stubbs, Karina V. Mariño, Carlos Luri-Rey, Iñaki Etxeberria, Assunta Cirella, Josune Egea, Javier Glez-Vaz, Saray Garasa, Maite Alvarez, Iñaki Eguren, Sonia Guedan, Miguel F. Sanmamed, Pedro Berraondo, **Gabriel A. Rabinovich**, Alvaro Teijeira, Ignacio Melero
Cell Rep Med (2023) 17;4(3):100978. doi: 10.1016/j.xcrm.2023.100978

►313. Simulatenous inhibition of PPAR-gamma and mTORC1 enables GM-CSF to induce differentiation of monocytes into highly immunogenic dendritic cells
Fernando Erra Díaz, Ignacio Mazzitelli, Claudia Melucci, Lucía Bleichmar,Tomás Dalotto Moreno, Radu Marches, **Gabriel A. Rabinovich**, Duygu Ucar, Jorge Geffner.
Cell Rep (2023) 2(3):112156. doi: 10.1016/j.celrep.2023.112156

►314. Hypothyroidism-associated immunosuppression involves induction of galectin-1-producing regulatory T cells
Eduardo Valli; Tomás Dalotto-Moreno; Helena Sterle, Santiago Patricio Méndez-Huergo, María Alejandra Paulazo, Silvia I García, Carlos J Pirola, Alicia Juana Klecha, Gabriel A Rabinovich, Graciela A Cremaschi1
FASEB J (2023) 28;42(3):112156. doi: 10.1016/j.celrep.2023.112156.

►315. Apoptotic cell death in disease – Current understanding of the NCCD 2022
Ilio Vitale, Federico Pietrocola,Emma Guilbaud, Stuart A. Aaronson, John M. Abrams, Dieter Adam, Massimiliano Agostini, Patrizia Agostinis, Emad S. Alnemri, Lucia Altucci, Ivano Amelio, David W. Andrews, Rami I. Aqeilan, Eli Arama, Eric H. Baehrecke, Siddharth Balachandran, Daniele Bano, Nickolai A. Barlev, Jiri Bartek, Nicolas G. Bazan, Christoph Becker, Francesca Bernassola, Mathieu J.M. Bertrand, Marco Emilio Bianchi, Mikhail V. Blagosklonny, J. Magarian Blander, Giovanni Blandino, Klas Blomgren, Christoph Borner, Carl D Bortner, Patricia Boya, Catherine Brenner, Petr Broz, Thomas Brunner, Rune Busk Damgaard, George A. Cal4n, Michelangelo Campanella, Michele Carbone, Didac Carmona-Gutierrez, Francesco Cecconi, Francis Ka-Ming Chan, Guo-Qiang Chen, Quan Chen, Youhai H. Chen, Emily H. Cheng, Jerry E. Chipuk, John A Cidlowski, Aaron Ciechanover, Gennaro Ciliberto, Marcus Conrad, Juan R. Cubillos-Ruiz, Peter Edward Czabotar, Vincenzo D'Angiolella, Pier Paolo D'Avino, Mads Daugaard, Ted M. Dawson, Valina L. Dawson, Ruggero De Maria, Bart De Strooper, Klaus-Michael Debatin, Ralph J. Deberardinis, Alexei, Degterev, Giannino Del Sal, Mohanish Deshmukh, Francesco Di Virgilio, Marc Diederich, Scott J. Dixon, Brian David Dynlacht, Wafik S. El-Deiry, John W. Elrod, Kurt Engeland, Gian Maria Fimia, Claudia Galassi, Carlo Ganini, Ana J. Garcia-Saez, Abhishek D. Garg, Carmen Garrido, Evripidis Gavathiotis, Motti Gerlic, Sourav Ghosh, Eyal Gottlieb, Douglas R. Green, Lloyd A. Greene, Hinrich Gronemeyer, Georg Häcker, György Hajnóczky, J. Marie Hardwick, Ygal Haupt, Sudan He, David M Heery, Michael O. Hengartner, Claudio Hetz, David Hildeman, HidenoriIchijo, Satoshi Inoue, MarjaJäättelä, Ana Janic, Bertrand Joseph, Philipp J. Jost, Thirumala-Devi Kanneganti, Michael Karin, Hamid Kashkar, Thomas Kaufmann, Gemma L Kelly, Oliver Kepp, Adi Kimchi, Richard N. Kitsis, Daniel J. Klionsky, Ruth Kluck, Dmitri V. Krysko, Dagmar Kulms, Sharad Kumar, Sergio Lavandero, Inna N. Lavrik, John J. Lemasters, Gianmaria Liccardi, Andreas Linkermann, Stuart A. Lipton, Richard A Lockshin, Carlos López-Otín, Tom Luedde, Marion MacFarlane, Frank Madeo, Walter Malorni, Gwenola Manic, Roberto Mantovani, Saverio Marchi, Jean-Christophe Marine, Seamus J Martin, Jean-Claude Martinou, Pier G. Mastroberardino, Kimberly McCall, Jan Paul Medema, Patrick Mehlen, Pascal Meier, Sonia Melino, Edward A. Miao, Ute Martha Moll, Cristina Muñoz-Pinedo, Daniel James Murphy, Maria

Victoria Niklison-Chirou, Gabriel Núñez, Andrew Oberst, Dimitry Ofengeim, Joseph T. Opferman, Moshe Oren, Michele Pagano, Theocharis Panaretakis, Manolis Pasparakis, Josef M. Penninger, Francesca Pentimalli, David M. Pereira, Shazib Pervaiz, Marcus E. Peter, Mauro Piacentini, Paolo Pinton, Giovanni Porta, Jochen H M Prehn, Hamsa Puthalakath, **Gabriel A. Rabinovich**, Krishnaraj Rajalingam, Kodi S Ravichandran, Markus Rehm, Jean-Ehrland Ricci, Rosario Rizzuto, Nirmal Robinson, Cecilia M. P. Rodrigues, Barak Rotblat, Carla V. Rothlin, David C. Rubinsztein, Thomas Rudel, Alessandro Rufini, Giandomenico Russo, Kevin M. Ryan, Kristopher A. Sarosiek, Akira Sawa, Emre Sayan, Kate Schroder,Luca Scorrano, Federico Sesti, Feng Shao, Yufang Shi, Giuseppe S. Sica, John Silke, Hans-Uwe Simon, Antonella Sistigu, Anastasis Stephanou, Brent R. Stockwell, Flavie Strapazzon, Andreas Strasser, Liming Sun, Erwei Sun, Qiang Sun, Gyorgy Szabadkai, Stephen W. G. Tait, Daolin Tang, Nektarios Tavernarakis, Carol M. Troy, Boris Turk, Peter Vandenabeele, Matthew G Vander Heiden, Jacqueline Liza Vanderluit, Alexei Verkhratsky, Andreas Villunger, Silvia Von Karstedt, Anne K. Voss, Karen H Vousden, Domagoj Vucic, Erwin F Wagner, Henning Walczak, David Wallach, Ruoning Wang, Ying Wang, Achim Weber, Will Wood, Takahiro Yamazaki, Huang-Tian Yang, Avraham Yaron, Zahra Zakeri, Joanna E. Zawacka-Pankau, Lin Zhang, Haibing Zhang, Boris Zhivotovsky, Gerry Melino, Guido Kroemer and Lorenzo Galluzzi
Cell Death and Differentiation-(2023) 26:1-58. doi: 10.1038/s41418-023-01153-w

►316. Anchoring immunosuppression to inflamed tissue via galectin-3
Karina V. Mariño, Ada G. Blidner and Gabriel A. Rabinovich
Nature Biomedical Engineering, (2023) doi: 10.1038/s41551-023-01055-9.

►317. The multifunctional role of galectins in immunity: A case of multiple personalities
Gabriel A. Rabinovich
Glycoforum. Seikagaku (Japan). (2023) (https://www.glycoforum.gr.jp/article/26A12.html).

►318. Mannosylated glycans impair normal T-cell development by reprogramming commitment and repertoire
Manuel M Vicente; Inês Alves; Ângela Fernandes; Ana M Dias; Elena Pérez; Alexandra Correia; Afonso R M Almeida; **Gabriel A Rabinovich**; Manuel Vilanova; Ana E Sousa; Salomé S. Pinho
Cellular and Molecular Immunology (2023) 20(8):955-968. doi: 10.1038/s41423-023-01052-7.

►319. Immune regulatory networks coordinated by glycans and glycan-binding proteins in infection and autoimmunity
Salomé S. Pinho, Inês Alves, Joana Gaifem, **Gabriel A. Rabinovich**
Cellular and Molecular Immunology (2023) doi: 10.1038/s41423-023-01074-1

►320. A single-step, rapid and versatile method for simultaneous detection of cell surface glycan profiles using fluorochrome-conjugated lectins.
Torres NI, Manselle Cocco MN, Perrota RM, Mahmoud YD, Salatino M, Mariño KV, Rabinovich GA.
Glycobiology. 2023 Aug 16:cwad065. doi: 10.1093/glycob/cwad065.

►321. Selective modifications of lactose and n-acetyllactosamine with sulfate and aromatic bulky groups unveil unique structural insights in galectin-1-ligand recognition
Mora M. Massaro, Alejandro J. Cagnoni, Francisco J. Medrano, Juan M. Pérez-Sáez, Shuay Abdullayev, Karima Belkhadem, Karina V. Mariño, Antonio Romero, René Roy, Gabriel A. Rabinovich
Bioorganic and Medicinal Chemistry (2023) En prensa

►322. The universe of galectin-binding partners and their functions in health and disease
María F. Troncoso, Luciana Sarrias, María V. Espelt, Ada Blidner, María T. Elola, and Gabriel A Rabinovich
Journal of Biological Chemistry, (2023) En prensa

►323. A pro-inflammatory stem cell niche drives myelofibrosis through a targetable galectin-1 axis
Rong Li, Michela Colombo, Guanlin Wang, Antonio Rodriguez-Romera, Jennifer O'Sullivan, Sally-Ann Clark, Juan Manuel Pérez Sáez, Yiran Meng, Abdullah O. Khan, Sean Wen, Pengwei Dong, Wenjiang Zhou ,Nikolaos Sousos, Lauren Murphy, Matthew Clarke, Natalie Jooss, Aude-Anais Olijnik, Zoe Wong, Christina Simoglou Karali, Korsuk Sirinukunwattana, Hosuk Ryou, Ruggiero Norfo, Qian Cheng, Charlotte Brierley, Joana Carrelha, Zemin Ren, Supat Thongjuea, Vijay A Rathinam, Anandi Krishnan, Daniel Royston, Gabriel A. Rabinovich, Adam J Mead* and Bethan Psaila* (co-seniors)
In revision (2023)
https://www.biorxiv.org/content/10.1101/2023.08.05.550630v1

9. BOOKS PUBLISHED

►1. "Molecular Immunopathology: New Frontiers in Medicine" *From biomedical research to clinical practice.* ISBN: 950-06-1868-0. Editorial Médica Panamericana, 1st. ed. Editor: Gabriel A. Rabinovich, Buenos Aires, Argentina. (2004) Total: 60 chapters, 640 pages. Distributed in all Latin America, Spain and Portugal.

►2. "Glycobiology of the Immune Response" . *Editorial Ann. NY Acad Sci USA*. (2012). 252 pages. ISBN-10 : 1573318396. ISBN-13 978-1573318396.
*Commentary in Eur J Immunol: "Glycobiology of the Immune Response is a book that explores the integration of state-of-the art glycobiology and immunology to raise awareness of the multifaceted roles of glycans and lectins in the immune system. (*Eur J Immunol*, December 1, 2012)"

►3. "What is the Immune System?". ISBN 978-950-12-0174-1. Editorial Paidós, 1st. ed. Editors: Gabriel A. Rabinovich and Jorge R. Geffner. (2014) (152 pages). A book written for the general public.

►4. "Introduction to Human Immunology". Editorial Médica Panamericana 7th, Ed. Editors: Leonardo Fainboim, Jorge Geffner and Gabriel Rabinovich, *In press*. 2021.

9.1 BOOK CHAPTERS

1➢ Galectins and glycans: a trip from the gene to clinical therapy. Gabriel Rabinovich,Natalia Rubinstein, Marta A. Toscano & Juan M. Ilarregui. *In* "Molecular Immunopathology: New Frontiers in Medicine" Ed. Médica Panamericana, (2004) Pp. 151-162. (ISBN: 950-06-1868-0).

2➢ Gene Therapy for treatment of autoimmune diseases: Present and Future. Gabriel Rabinovich, Gordon Daly and Hanna Dreja. *In* "Molecular Immunopathology: New Frontiers in Medicine" Ed. Médica Panamericana (2004). Pp. 151-162 (ISBN: 950-06-1868-0).

3➢ Apoptosis in the immune system. Natalia Rubinstein, Marta Toscano, Gabriel Rabinovich. *In* "Molecular Immunopathology: New Frontiers in Medicine" Ed. Médica Panamericana, (2004). Pages. 450-470. (ISBN: 950-06-1868-0).

4➢ Neuroimmunology. Marta Lapid, Gaston Calfa, Danilo Ceschin, Silvia Kademian, Gabriel Rabinovich. *In* "Molecular Immunopathology: New Frontiers in Medicine" Ed. Médica Panamericana (2004), Buenos Aires Pages. 577-584 (ISBN: 950-06-1868-0).

5➢ Transcription factors in the immune response. José L. Bocco and Gabriel Rabinovich. *In* "Molecular Immunopathology: New Frontiers in Medicine" Ed. Médica Panamericana (2004), Buenos Aires, Pages 53-64 (ISBN: 950-06-1868-0).

6➢Mucosal Immunology. Marta D. Romero, Pedro Vucovich, Gabriel Rabinovich. *In* "Molecular Immunopathology: New Frontiers in Medicine" Ed. Médica Panamericana (2004), Buenos Aires, Pages. 163-176 (ISBN: 950-06-1868-0).

7➢Signaling in T cell activation. Omar A. Coso, Monica Costas, Diana L. Franco, Daniel Hochbaum, Tamara Tanos, Gabriel Rabinovich. *In* "Molecular Immunopathology: New Frontiers in Medicine" Ed. Médica Panamericana (2004), Pages. 45-52 (ISBN: 950-06-1868-0).

8➢Primary Immunodeficiencies. Mercedes Sánchez, Mauricio Carobene and Gabriel Rabinovich. *In* "Molecular Immunopathology: New Frontiers in Medicine" Ed. Médica Panamericana, (2004). Pages. 309-322 (ISBN: 950-06-1868-0).

9➢Immunobiology of pregnancy. Rosanna Ramhorst, Verónica Garcia, Adriana Corigliano, Gabriel Rabinovich. *In* "Molecular Immunopathology: New Frontiers in Medicine" Ed. Médica Panamericana (2004). , Pages. 367-376 (ISBN: 950-06-1868-0).

10➢Glycans and lectins in immunoregulation. Gabriel A. Rabinovich and Marta A. Toscano. In: "*Glycobiology*". C. Sansom and O. Markzman, eds. Scion Publishing Ltd. UK. (2006) 1st. Ed. ISBN 1904842275.

11 ➢Galectins as danger signals in host-pathogen and host-tumor interactions. GA Rabinovich, S. Sato. *In*: "*Galectins*". A Klyosov, ZJ, Witczak, D Platt, eds. (2008). John Wiley & Sons. ISBN: 978-0-470-37318-7 .

12. ➢ Galectins as novel regulators of immune cell homeostasis and inflammation. GA Rabinovich, M Toscano, J Ilarregui, L Baum. *In* "*Animal Lectins: A Functional View*," 1st Ed. (2008). G.R. Vasta & H. Ahmed, eds. CRC Press, Taylor and Francis. ISBN: 978-0-8493-7269-8.

13➢Animal models for assessing biological roles of lectins. Hafiz Ahmed, Gabriel Rabinovich, Shawn Jackson, Mariana Salatino, Keiko Saito, Germán Bianco, Satoshi Tasumi, Shao-J Du and Gerardo Vasta. In: "Animal *Lectins: A Functional View*", 1st Ed. (2008). G.R. Vasta and H. Ahmed, eds. CRC Press, Taylor and Francis Publishers ISBN: 978-0-8493-7269-8.

14➢Solving the puzzle of tumor-immune escape piece by piece: Galectins and PD-L1. GA Rabinovich, T. Gajewski. *In*: "*Cancer Immunotherapy and Immunosuppression*". E Jaffe, GC Prendergast (1st Ed) (2009). *Elsevier* ISBN-13: 978-0-12-372551-8.

15➢ Advances in Immunobiology: Integrating the universe of effector and regulatory lymphoid and myeloid programs. Gabriel A. Rabinovich, Susana Pesoa & Diego Croci. *In* "Clinical Neuroimmunology" Correale, Vila, Garcea, Eds. (1st. Ed) (2010). Editorial Médica Panamericana, Buenos Aires. ISBN 9789500601566.

16➢ Immunity and Cancer. Gabriel A. Rabinovich, Juan M. Ilarregui and Mariana Salatino. *In* "Introduction to Human Immunology". 6th. Ed. Fainboim, Geffner (2010) Editorial Médica Panamericana, Buenos Aires. ISBN 978-950-06-0270-9.

17 ➢ Regulation of gene expression in the immune system. Gabriel A. Rabinovich, Marta Toscano, Norberto W. Zwirner. *In* "*Introduction to Human Immunology*" 6st. Ed Fainboim, Geffner (2011) Editorial Médica Panamericana; Buenos Aires. ISBN 978-950-06-0270-9.

18 ➢ Emerging concepts of immunology and applications in rheumatologic disorders. Gabriel A. Rabinovich, Susana Pesoa, Juan P. Cerliani. *In "Rheumatology: from diagnosis to treatment*". Gustavo Nazwetter (1st Ed) (2011) Editorial Akadia, Buenos Aires, ISBN 978-987-570-224-0.

19. ➢Dissecting the role of galectins in tumor progression. GA Rabinovich & FT Liu. In:"*Tumor-Induced Immune Suppression. Mechanisms and Therapeutic Reversal*" D. Gabrilovich, A. Hurwitz (1st Ed) (2012) Springer NY. ISBN: 978-0-387-69117-6

20➢ Effector and regulatory circuits in innate and adaptive immunity: the emerging role of lectins and glycans. María S. Di Genaro and Gabriel A. Rabinovich. *In* "*Bases of Immunology*". Aguilar JL, Hurtado P (1st Ed) (2012). Editorial Universidad Cayetano Heredia, Lima, Perú. ISBN 978-612-4242-41-0.

21. ➢Galectins: key players in the tumor microenvironment, V Sundblad, V Mathieu, R Kiss, GA Rabinovich. In: *"Cancer Immunotherapy and Immunosuppression*". E Jaffe & GC. Prendergast (2nd Ed) (2012) Elsevier ISBN9780080521855.

22. ➢Defining the fate and function of effector T cells via galectin-1 ligand binding interactions. C Dmitroff and G Rabinovich. In: *"Tumor-Induced Immune Suppression. Mechanisms and Therapeutic Reversal"* Gabrilovich, D, Hurwitz, A (2nd Ed) (2014) Springer, ISBN 978-8-480863490.

23. ➢Cancer Immunotherapy. P Berraondo, G Rabinovich, I. Melero, In: "*Internal Medicine"* Farrera Rozman (17th Ed) (2016)

24. ➢Mechanisms of adaptive immune responses. M Toscano, V Martinez Allo, GA. Rabinovich. In "*Clinical Endocrinology*". R Calandra, M Pisarev, R Rey, M Barontini, G Juvenal (1st Ed) (2016) 1376 pages. ISBN 978-987-45792-0-1.

25. ➢ Role of galectins in platelet activation. MA Romaniuk, M Schattner and G Rabinovich. In "*Platelet physiology*" Editorial Académica Española (2016). ISBN 978-3-8417-6878-0.

26 ➢Immunoglycobiology: an overview. J. Ilarregui, A Blidner and G Rabinovich. In: "*Glycoscience: Biology and Medicine*" N Taniguchi, T Endo, G Hart (1st. Ed) (2016) Springer, ISBN 978-4-431-54840-9.

27. ➢Glycans and Lectins in Cancer Immunotherapy. P Berraondo, G Rabinovich, I. Melero, In: "*Internal Medicine"* Farrera Rozman (18th Ed) (2019) Elsevier, ISBN 978-8-480863490.

28. ➢COVID-19: a view at the interface of chemistry, glycobiology and immunology
G.A. Rabinovich, L. Laporte y N. Sbarbati Nudelman. Edited by the Academy of Exact and Natural Sciences, Buenos Aires, Argentina. 2020.

29. ➢Glycans and Lectins in Cancer Immunotherapy. P Berraondo, G Rabinovich, I. Melero, In: "*Internal Medicine"* Farrera Rozman (18th Ed) (2022) Elsevier, ISBN 978-8-480863490.

30. ➢L-Type lectins. Cummings RD, Etzler ME, Ramya NC, Kato K, Rabinovich GA, Surolia A. 2022. In: Varki A, Cummings RD, Esko JD, Stanley P, Hart GW, Aebi M, Darvill AG, Kinoshita T, Packer NH, Prestegard JH, Schnaar RL, Seeberger PH, editors. *Essentials of Glycobiology* 3rd edition. Cold Spring Harbor (NY): Cold Spring Harbor Laboratory Press; Chapter 32. 2022

31➢ Galectins. Cummings RD, Liu FT, Rabinovich GA, Stowell S, Vasta GR. 2022. In: Varki A, Cummings RD, Esko JD, Stanley P, Hart GW, Aebi M, Darvill AG, Kinoshita T, Packer NH, Prestegard JH, Schnaar RL, Seeberger PH, editors. *Essentials of Glycobiology* 3rd edition. Cold Spring Harbor (NY): Cold Spring Harbor Laboratory Press;. Chapter 36. 2022

32➢. Inmunoterapia del cáncer
Pedro Berraondo, Gabriel A. Rabinovich, Ignacio Melero
In: "Internal Medicine" In press
Farrera Rozman (Eds.) 2023, Ed. Elsevier, España (2023).

10. PATENTS AND TECHNOLOGY TRANSFER

1➢. "Use of galectin-1 to treat inflammatory and autoimmune diseases" (No. 9906396.8)
UK Patent Office. March 1999. Kennedy Institute of Rheumatology. Inventors: G. Rabinovich, G. Daly, H. Dreja, Y. Chernajovsky

2➢. "A composition, vector and method used for antitumor therapy using galectin-1 inhibitors"
Argentinean Patent Office. November 2002. Inventors: G. Rabinovich, N. Rubinstein, O. Podhajcer, L. Fainboim, J. Mordoh, M. Alvarez (Nº P00226/fma (INPI).

3➢. "Methods of preparing a therapeutic formulation comprising galectin-induced tolerogenic dendritic cells"
USA Patent Office (June 2007). Inventors: G. Rabinovich, M. Toscano, J. Ilarregui, G. Bianco
Inventores: G. Rabinovich, M. Toscano, J.M. Ilarregui, G.A. Bianco (Patent Application Nº 12/137.004)
Nº US20090004259 A1, January 2009.

4➢. "Compositions, kits, and methods for the modulation of immune responses using galectin-1".
Inventors: G. Rabinovich, M. Shipp, P. Juzsczynski, J. Kutok, S. Rodig, Y. Ouyang
Patent Granted US N°US9206427 B2 (July 2009).

5➢ "Galectin-1 protects the heart and prevents cardiac remodeling, dysfunction and failure". Inventors: A. Abbate, I. Seropian, B. van Tassel, S. Toldo, G.A. Rabinovich

Patent application to the US Patent Office: Nº 61/285,220 (November 2009).

6➢. Compositions, kits and methods for the diagnosis, prognosis, monitoring, treatment and modulation of post-transplant lymphoproliferative disorders and hypoxia- associated angiogenesis disorders using galectin-1. Inventors: G. Rabinovich, M. Shipp, D. Croci, S. Rodig, J. Kutok, J. Ouyang
Patent Granted USA US8968740 B2 (Priority Date November 13th, 2009) USSN 61/261,125; USSN 61/283,159; USSN 61/335,779. International Application Nº PCT/US10/056547

7➢ Methods for inhibiting cancers refractory to anti-VEGF therapy.
Inventors: G Rabinovich, D Croci, JP Cerliani, M Salatino, JM Perez Saez, P Hockl
US Patent Application N° 61/909,942; Definitive USA WO/2015/081290 A1
Patent Granted (October 2019). Presentation Date: November 2014.
Granted EEUU US10294295 (B2) 26/11/2014
Granted EUROPA EP3074037 (B1) 26/11/2014
Granted ALEMANIA EP3074037 (B1) -DE 26/11/2014
Granted FRANCIA EP3074037 (B1) -FR 26/11/2014
Granted GRAN BRETAÑA EP3074037 (B1) -GB 26/11/2014
Granted EEUU US11020478 (B2) - continuación 26/11/2014

8➢ Gal-1 variants having immuno-modulating properties, and methods using the same
Inventors: G Rabinovich, S Di Lella, D Estrin, J Caramelo, S Mendez Huergo
Patent Granted USA, Canada, Europe, PCT
U.S. Patent Application N° 62/150, 750; Presentación PCT: PCT/US2016/028604
Priority Date: April 22, 2015; Definitive Patent submitted (April 22, 2016).
Granted AR 20160101105 21/04/2015
Granted EEUU US15/567,390 21/04/2015
Granted EUROPE EP16783840.8 21/04/2015
Grantred ALEMANIA EP16783840.8-DE 21/04/2015
Granted FRANCIA EP16783840.8-FR 21/04/2015
Granted GRAN BRETAÑAEP16783840.8-GB 21/04/2015
Granted AUSTRALIA AU201625273721/04/2015
Granted BRASIL BR 11 2017 022715-0 21/04/2015
Granted CANADA CA2,999,843 21/04/2015

9➢ Therapeutic modulation of skin immune system with Gal-7 or its variants
Inventors: G. Rabinovich, J.P. Cerliani, N.A. Pinto
62/404,300 (October 5th, 2016)
Granted EEUU US10,456,447 B2 05/10/2016
Granted EEUU US16/416,996 (continuación) 20/05/2019

10➢ Galectin-1 delivery for therapeutic control of intestinal inflammation
Inventors: GA Rabinovich, KV Mariño, LG Morosi, C Magni, M Toscano
Definitive Patent Application (Provisional P5078US00) .
Bacterial Deposit 2021 (1140)

11➢ Method to evaluate antigen-specific T cell responses against SARS-CoV-2 in a subject

Inventors: Gabriel Adrián Rabinovich, Montana Manselle Cocco, Florencia Veigas, Ada Blidner, Nicolás Torres, Tomás Dalotto Moreno, Pablo Hockl, Alejandro Cagnoni
Patent Presented by CONICET Provisional PS3186AR00. (August 2021).

11. INNOVATION, TECHNOLOGY PLATFORMS AND START UP CREATION

1➢ Co-founder and Scientific Leader of **GALTEC®** (Galectin Technologye), a translational Biotech StartUp aimed at performing translational pre-clinical and clinical studies of galectin-based products (including 4 anti-galectin-1 monoclonal antibodies as immunotherapeutics and anti-angiogenic agents, 3 galectin-1 variants for treatment of T-cell mediated autoimmune diseases. Patents licensed (Resolution Number: CONICET 2022-04718065-APN-GVT-CONICET).

2➢. Co-founder of the Glycomics Platform at the Institute of Biology and Experimental Medicine. An analytical plataform service to analyze glycans at the protein/lipid, cell/tissue and organismal levels (2015).

3➢ Creation of COVID-T: a functional plataform to assess SARS-CoV-2-specific T cell responses in vaccinated individuals and COVID-19 convalescent patients. This integrated technology gave us the possibility to advice the Argentinean Government on policies related to vaccination during the COVID-19 pandemics (2020-2021).

➢. Creation of the single cell RNA sequencing platform at the Institute of Biology and Experimental Medicine. (2022).

12. GRANT SUPPORT AS PRINCIPAL INVESTIGATOR

►University of Buenos Aires 2001-2017 "Glycosylation-driven circuits in tumor-immune escape"
►Wellcome Trust, International Research Development Award (London; UK 2002-2005). "Galectin-glycan interactions in parasite infection"
►Sales Foundation-CONICET Program, 2001-present "Galectin-glycan interactions in health and disease"
►Ministry of Science and Technology. Agency for Science, Technology and Innovation, Argentina (PICT 2003)
►The Mizutani Foundation for Glycoscience (Tokyo; Japan 2005). "Galectins in tumor-immune esacape"
►Ministry of Health of Argentina. Carrillo-Oñativia Grant (2005; 2008). "Targeting lectin-driven programs in metastasis"
►Ministry of Science, Technology. Agency for Science, Technology and Innovation (PICT 2006)
►Cancer Research Institute Investigator Award Program (NY, USA 2006-2010). "Glycosylation-dependent lectin-driven programs in tumor-immune escape and immunotherapy"
►Prostate Cancer Foundation (Prostate Action UK) (London, UK, 2009-2012).
►Ministry of Science and Technology. Agency for Science, Technology and Innovation (PICT V 2010), Argentina. Special grant for internationally recognized scientists
►Full Research Grant National Multiple Sclerosis Society (USA) (2011-2014). "Capitalizing on glycomics for the treatment of autoimmune demyelinating diseases"
►The Mizutani Foundation for Glycoscience (Tokyo; Japan 2011). "Cross-talk between galectins, C-type lectins and siglecs in the regulation of inflammation"

►Ministry of Science and Technology. Agency for Science, Technology and Innovation, Ministry of Science and Technology Argentina (PICT 2012)
►Ministry of Science and Technology. Agency for Science, Technology and Innovation, Argentina (PICT V 2014). Special grant for internationally recognized scientists.
►The Broad Foundation for Intestinal Inflammatory Diseases (USA) (2014-2016). "Glycosylation-depedendent programs in autoimmune intestinal inflammation"
►Fundación Bunge y Born Program. 2014- present ("Galectins and glycans: Therapeutic targets in host-pathogen interactions"
►The Kenneth Rainin Foundation Pilot Award USA (2015-2017). "Galectin-glycan interactions in intestinal inflammation"
►Ministry of Science and Technology to Internationally Recognized Scientists (Buenos Aires) (2015-2019). "Glyco-nanotechnology: glycan-based delivery for cancer treatment"
►Ministry of Science and Technology. Agency for Science, Technology and Innovation "Galectin-glycan interactions in resistance to cancer immunotherapy" (PICT 2017).
►The Kenneth Rainin Foundation Breakthrough Award USA (2017-2019). "Galectin-glycan interactions in intestinal inflammation"
► NIH/NCI U54, International Network in AIDS malignancies (US-Argentina) (2017-2022).
► Richard Lounsbery Foundation (NY, USA) (2019-2020). "Targeting glycan-dependent mechanisms to enhance antitumor immune responses"
► National Agency for Science, Technology and Innovation together with Bunge & Born Foundation (Argentina) (2020-2022. "Novel therapeutic strategies for the treatment of COVID-19" PI: Gabriel Rabinovich.
► Richard Lounsbery Foundation (NY, USA) (2020-2021). "Galectins and glycans in neuroinflammation"
► Williams Foundation (Argentina) (2021). "Glycans in COVID-19 infection"
► National Agency for Science, Technology and Innovation (for internationally renowed scientists) (2022-2026). "Targeting glycosylation-dependent circuits to improve the clinical efficacy of CAR T cells". US 250.000
► Richard Lounsbery Foundation (NY, USA) (2022-2024). "Galectin-glycan interactions in SARS-CoV-2 infection"
► Ministry of Science and Technology (Buenos Aires, Argentina) (2023-2027). "High impact Priority Networks in Argentina: Investigation Platform for Discoveries of New Immunotherapeutic Modalities" US 1.000.000

13. MENTORING

13.1 PhD STUDENTS SUPERVISED (TOTAL: 30; 23 finished; 7 in course)

➢1. Gastón Calfa (2000-2006). Outstanding. National University of Cordoba. *Currently Director Laboratory of Molecular Pharmacology and Adjunct Professor, Faculty of Chemical Sciences, National University .of Córdoba, Argentina).Co-supervised
➢2. Natalia Rubinstein (2001-2006). Outstanding. University of Buenos Aires.*Currently Director Laboratory of Molecular Oncology, Faculty of Exact and Natural Sciences, University of Buenos Aires, Argentina).
➢3. Marta Toscano (2003-2008) Outstanding. FCEyN. University of Buenos Aires.
*Currently Head Laboratory of Glycoimmunology; Hospital Carriño Oñativia, Salta, Argentina.
➢4. Juan M. Ilarregui (2003-2009) Outstanding, FCEyN- University of Buenos Aires.
*Currently Research Associate at VU University, Amsterdam, The Netherlands.
➢5. Mariano Zacarías Fluck (2004-2010) Outstanding .Faculty of Medicine, National University of Rosario.
*Currently Associate Researcher at Vall D'Hebron Institut D'Oncologia, Barcelona, Spain.

- 6. Iván Mascanfroni (2006-2010) Outstanding, Faculty of Chemical Sciences, National University of Córdoba.
  *Currently Research Investigator at Abbvie, Boston; USA.
- 7. Germán A. Bianco (2006-2012) Outstanding, FFyB- University of Buenos Aires.
  *Currently Clinical Researcher at Laboratory Australab, Pilar, Buenos Aires.
- 8. Diego O. Croci (2006-2011) Outstanding. FCEyN- University of Buenos Aires.
  *Currently Associate Professor at University of Cuyo and Head Laboratory of Glycobiology, IHEM, Mendoza, Argentina.
- 9. Javier R. Elicabe (2008.2012) Outstanding, Faculty of Biological Sciences, National University of San Luis.
  *Currently Associate Researcher at the Faculty of Biological Sciences, National University of San Luis.
- 10. Carlos J.M. Guardia (2009-2014) Outstanding, FCEyN- University of Buenos Aires
  *Currently Associate Researcher Neurosciences and Cellular and Structural Biology Division, Eunice Kennedy Shriver National Institute of Child Health and Human Development,National Institutes of Health, Bethesda, MD, USA.
- 11. Sebastián Dergan Dylon (2009-2015) Outstanding, FCEyN- University of Buenos Aires.
  *Currently Research Associate at the Université Grenoble Alpes, France.
- 12. Eduardo Valli (2011-2015)- Outstanding, FCEyN- University of Buenos Aires.
  *Currently Research Associate at Tulane University, Louisiana, USA.
- 13. Santiago Méndez Huergo (2011-2016)- Outstanding, FCEyN-University of Buenos Aires.
  *Currently Associate Researcher at IBYME; CONICET, Buenos Aires, Argentina.
- 14. Alejandro Benatar (2010-2014)- Outstanding- FFyB- University of Buenos Aires.
  *Currently Research Assistant National Academy of Medicine, Buenos Aires and IBYME, Argentina.
- 15. Laura Giribaldi (2010-2017)- Outstanding FCEyN- University of Buenos Aires.
  *Currently Research Director at Amgen, Buenos Aires Branch, Argentina.
- 16. Luciano Morosi (2013-2018).Outstanding FCEyN- University of Buenos Aires.
  *Currently Post-doctoral Fellow, ICGEB, Trieste, Italy.
- 17. Nicolás Pinto (2014- 2019)- Outstanding FCEyN- University of Buenos Aires.
  *Currently Post-doctoral Fellow, Garrahan Hospital for Children, Buenos Aires, Argentina.
- 18. Sebastián Maller (2014-2020)-Outstanding FCEyN- University of Buenos Aires.
  *Currently Post-doctoral Fellow, IBYME; CONICET.
- 19. Julia Rubione (2014-2019)-Outstanding School of Medicine, University of Buenos Aires.
  *Currently Post-doctoral Fellow, Hospital Universitario Austral, Pilar, Buenos Aires.
- 20. Agustín Lujan (2015-2020)-Outstanding School of Medicine PROBIOL, University of Cuyo, Mendoza.
  *Currently Post-doctoral Fellow at Vall D'Hebron Institut D'Oncologia, Barcelona, Spain
- 21. Ramiro Perrotta (2016-2021). Oustanding. School of Exact and Natural Sciences, University of Buenos Aires. *Currently Post-doctoral Fellow at Harvard Medical School, Boston, USA:
- 22. Inés Alves (2017-2022). University of Porto, Portugal. *Currently Post-doctoral Fellow at the Unviersity of Porto, Portugal
- 23. Natalia Musco (2021-2022). Master in Sciences. University of Freiburg / University of Buenos Aires.

ONGOING

- 24. Montana Manselle Cocco (2018-present). University of Buenos Aires (To be presented 2024)
- 25. Lorena Laporte (2019-present). University of Buenos Aires. (To be presented 2025)
- 26. Jessica Pressa (2020-present). University of Buenos Aires. (To be presented 2024)
- 27. Camila Bach (2020-present). University of Buenos Aires. (To be presented 2025)
- 28. Marco Scheidegger (2021-present). University of Buenos Aires. (To be presented 2026)
- 29. María Elena Migueles (2021-present) National University of Córdoba. (To be presented 2026)

13.2 MENTORING OF POST-DOCTORAL FELLOWS

➤1. Mariana Salatino (2006-2007). *Currently Independent Researcher at IBYME, CONICET; Head Laboratory Glycobiology of Breast Cancer.
➤2. Victoria Sundblad (2007-2009). *Currently Assistant Researcher at IBYME, CONICET
➤3. Marta Toscano (2008-2010). *Currently Associate Researcher at Hospital Carillo Oñativia, Salta; Head Laboratory of Glycoimmunology.
➤4. Diego Laderach (2008-2010). *Currently Independent Researcher at the Faculty of Exact and Natural Sciences, University of Buenos Aires. Head Labortory of Functional Glycomics.
➤5. Santiago Di Lella (2009-2010). *Currently Associate Researcher at the Faculty of Exact and Natural Sciences, University of Buenos Aires. Head Laboratory Glycobiophysics
➤6. Juan M. Ilarregui (2009-2011). *Currently Associate Researcher at VU University, Amsterdam.
➤7. Juan P. Cerliani (2010-2012). *Currently Associate Researcher Argentina.
➤8. Carolina Domaica (2010-2012). *Currently Associate Researcher IBYME, CONICET.
➤9. Iván Mascanfroni (2010-2012). *Currently Research Associate at Abbvie, Boston, USA.
➤10. Carolina Poncini (2011-2013). *Currently Associate Researcher Faculty of Medicine, University of Buenos Aires. Head Laboratory Glycobiology of Protozoan Infections.
➤11. Diego Croci Russo (2011-2013). *Currently Associate Researcher at Institute of Histology and Embriology (IHEM) Mendoza and Adjunct Professor of Glycobiology at University of Cuyo, Mendoza, Head Laboratory of Immunopathology and Glycobiology.
➤12. Natalia Leiva (2012-2014). *Currently Assistant Researcher University of Cuyo, Mendoza, Argentina.
➤13. Ricardo J. Elicabe (2013-2015). *Currently Associate Researcher National University of San Luis, Argentina. Head Laboratory Glycobiology of Bacterial Infections.
➤14. Ada Blidner (2013-2017). *Currently Associate Researcher at IBYME, CONICET. Head Glyco-Inmuno-Oncology Group
➤15. Mariana Weigel Muñoz (2013-2015). *Currently Associate Resercher at IBYME, CONICET
➤16. Magali Ridano (2015-2019). ¨*Currently Associate Researcher at CEPROCOR (Technology Transfer)
➤17. Santiago Méndez Huergo (2016-2020). *Currently Associate Resarcher at IBYME, CONICET (in license).
➤18. Tomás Dalotto Moreno (2017-2020). *Currently Associate Researcher at IBYME, CONICET
➤19. Luciano Morosi (2018-2020). *Currently Post-doctoral Fellow ICGEB, Trieste Italy.
➤20. Guillermo V. Richardson (2017-2019) *Currently Associate Researcher at FLENI, Buenos Aires
➤21. Sandra Carvallo (2017-2022). *Currently Research Associate at Univ. of Porto, Porto
➤22. Nicolás Torres (2018-2021). ¨*Currently Research Associate IBYME- CONICET
➤23. Nadia Bannoud (2018-2022)* Currently Research Associate IHEM, CONICET
➤24. Anabela Cutine (2023-present)
➤25. Daniela Paira (2023-present)

13.3. SUPERVISION OF RESEARCH ASSOCIATES (TOTAL: 22)

➤1. Dr Mariana Salatino
➤2. Dr. Diego Laderach
➤3. Dr. Victoria Sundblad
➤4. Dr. Cecilia Muglia
➤5. Dr. Marta Toscano

➢6. Dr. Roberto Davicino
➢7. Dr. Santiago Di Lella
➢8. Dr. Juan Pablo Cerliani
➢9. Dr. Karina Mariño
➢10. Dr. Diego Croci
➢11. Dr. Ramiro Quinta
➢12. Dr. Carolina Poncini
➢13. Dr. Ricardo J Elicabe
➢14. Dr. Romina Girotti
➢15. Dr. Victoria Bocanegra
➢16. Dr. Carolina Domaica
➢17. Dr. Juan M. Pérez Sáez
➢18. Dr. Alejandro Cagnoni
➢19. Dr. Ada Blidner
➢20. Dr. Santiago Méndez Huergo
➢21. Dr. Guillermo V. Richardson
➢22. Dr. Nicolás Torrres
➢23. Dr. Federico Baudau

13.4. SUPERVISION OF TECHNICIANS AND LAB MANAGERS

➢1. Marcos Barboza (Principal Technician CONICET). Lab Technician Flow Cytometry (2007- 2018)
➢2. Pablo Hockl (Principal Technician CONICET). Project Manager Lab Immunopathology (2014- present)
➢3. Juan C. Stupirski (Adjunct Technician CONICET). Laboratory Manager (2009-present)
➢4. Claudia Leishman (Assistant Technician). Laboratory Manager (2011-2013)
➢5. Claudia Gatto (Assistant Technician). Animal House Manager (2007-2012)
➢6. Rosa María Morales (Principal Technician CONICET). Animal House Manager (2013-present)
➢7. Sabrina G. Gatto (Principal Technician CONICET). Animal House Manager (2014-present)
➢8. Alejandro Benatar (Adjunct Technician CONICET). COVID-T Platform (2022-present)
➢9. Amalia Botto (Lab Manager CONICET). (2022-present)
➢10. Gaston Suarez (Technician CONICET). (2022-present)

14. INVITED LECTURES (REPRESENTATIVE OF A TOTAL OF 440) in retrospective order

2023
➢Invited Lecture "Glycomics of Cancer" American Association of Cancer Research (AACR; USA)
➢Plenary Lecture Symposium on Immuno-Oncology "Defence is the Best Attack; Beyond Immune Checkpoints" European Association of Cancer Research (EACR) (Barcelona, España)
➢Special Lecture, Porto Cancer Meeting (Porto, Portugal)
➢Distinguished CWRU Pathology/ Immunology Seminars Case University (Case Western, USA)
➢Special Seminar Series Glycosciences European Community, UK
➢Special Seminar Epigenetics Department, Cancer Silvester Center, University of Miami, USA
➢Lecture Doctor Honoris Causa Universidad Nacional de La Plata, Buenos Aires, Argentina
➢Lecture Doctor Honoris Causa Universidad de la República, Montevideo, Uruguay
➢Meeting of Academics, Academia Nacional de Ciencias Exactas, Físicas y Naturales y Academia Nacional de Ciencias, Buenos Aires, 2023

2022

➢Invited Keynote Speaker Meeting of the International Society of Carbohydrate Research
➢Invited Speaker Metastasis Research Society (New York, USA)
➢Invited Chair. Symposium on Glycobiology. Argentinean Society of Clinical Investigation
➢Invited Distinguished Seminar Series, Case University (USA) (Dr. Brian Cobb)
➢Invited Keynote Speaker Closing Lecture, NVVi The Dutch Society of Immunology,
➢Invited Translational Immunology Conferences, VU University, Amsterdam, The Netherlands
➢Invited Distinguished Speaker Biomedical Seminars, CNIC Madrid, Spain
➢Invited Special Seminar Series, IRB (Institute Research In Biomedicine, Barcelona, Spain)
➢Karl Meyer Lecture Lectureship Award, Society of Glycobiology (Amelia Island, Florida, USA)
➢EMBO Lecture Membership, EMBO Meeting (Heidelberg, Germany)
➢Translational Meeting, Immunotherapy 2022 (Buenos Aires, Argentina)- Director of the Symposium
➢50th Anniversary Lecture Award Argentinean Society of Immunology 2022
➢40th Anniversary IFISE- Rosario CONICET Keynote Lecture 2022

2021

➢Invited Speaker "FOCIS go South" . Federation of Clinical Immunology Societies (Chile, Virtual)
➢Invited Plenary Speaker Jenner Meeting- Translational Glycobiology- Belgium (Europe)
➢Induction Conference Argentinean Academy of Exact and Natural Sciences (Buenos Aires, Argentina)
➢Latin American Congress of Glycobiology, Organizer (Mexico, virtual)
➢Invited Speaker Felsenstein Medical Center. Tel Aviv University, Sackler School of Medicine (Israel, Virtual)
➢Invited Speaker European Congress of Immunology (Virtual)
➢Invited Speaker Megalabs (Montevideo, Uruguay, Virtual)
➢Invited Speaker Plenary Conference Metastasis Research Society (USA, Virtual)
➢Invited Speaker Symposium of Glycobiology, Society of Biochemistry and Molecular Biology (Argentina)
➢Closing Lecture, Argentinean Society of Physiology (Argentina)
➢Miguel Illio Distinguished Lecture, Society of Biology (Tucumán, Argentina)
➢Lecture COVID-T , a platform for monitoring T cell responses in SARS-CoV-2-vaccinated patients (Ministry of Health (Argentina)
➢Closing Lecture Translational Medicine Meeting (Institute of Translational Medicine, Córdoba, Argentina)

2020

➢Invited Speaker, Plenary HHMI Howard Hughes Medical Institute, Janelia Research, Science Across the Globe (USA 2020)
➢Invited Speaker, Joint Meeting American Association of Cancer Research (AACR) and European Association of Cancer Research (EACR) Tumor Microenvironment (Lisbon, Portugal) 2020
➢Invited Speaker, Plenary Lecture Society of Leukocyte Biology (virtual, USA, 2020)
➢Invited Speaker, Seminar Vall D'Hebron Cancer Center (Barcelona, Spain 2020)
➢Invited Speaker, Global ImmunoTalks Virtual (USA 2020; Organizers: Elina Zúñiga, Carla Rothlin)
➢Invited Speaker, University of Tel Aviv Virtual, Glycobiology of COVID-19, 2020
➢Invited Speaker Distinguished Seminar OHSU Knight Cancer Institute and Department of Cell and Cancer Biology (Portland, USA).

2019

➢Invited Speaker, Gordon Conference in Glycobiology, Lucca (Italy) 2019
➢Invited Speaker, Max Plank for Biophysics and Colloids, Berlin (Germany) 2019
➢Invited Speaker, Mount Sinai Hospital, New York (USA) 2019
➢Invited Speaker, Albert Einstein School of Medicine, New York (USA) 2019
➢Invited Speaker, University of Navarra, Bristoll Meyer Squib Master Ceremony, Madrid (Spain) 2019
➢Invited Speaker, CIMA (Centro de Medicina Aplicada; University of Navarra) Pamplona (Spain) 2019
➢Invited Speaker, CENIO (Centro Nacional de Investigaciones Oncológicas) Madrid (Spain) 2019
➢Invited Speaker, Institut Pasteur Montevideo (Uruguay) 2019
➢Plenary Lecture *Doctor Honoris Causa* University of Mar del Plata, Mar del Plata (Argentina) 2019.
➢Plenary Lecture National Institute of Technology Buenos Aires, Argentina 2019
➢Plenary Lecture Interamerican Oncology Conferences, Buenos Aires, Argentina 2019.
➢Plenary Lecture Argentinean Asssociation of Clinical Oncology, Rosario, Argentina 2019.
➢Invited Speaker Symposium Neuro-Oncology, Institute FLENI, Buenos Aires, Argentina 2019.

2018
➢Invited Speaker Opening Plenary Lecture, Latin American Society of Immunology, Cancun (Mexico) 2018
➢Invited Speaker American Association of Cancer Research (AACR) CNS Malignancies, San Diego (USA) 2018
➢Invited Keynote Speaker and Organizer, American Assoc Cancer Research AACR, San Paulo 2018
➢Invited Speaker "Distinguished Lecturer Series" Silvester Cancer Center, University of Miami,USA 2018
➢Invited Speaker Joint Seminar Series Dept of Physical Sciences and Dept of Organic Chemistry, Faculty of Exact and Natural Sciences, University of Buenos Aires 2018.
➢Plenary Lecture, National University of Rio Cuarto, Argentina 2018
➢Plenary Lecture 1st Meeting of Universities of Latin America CRES, Córdoba, Argentina 2018
➢Plenary Lecture Innovation Day. Tel Aviv University. Award to Innovation of the Year. 2018
➢Opening Conference Argentinean Society of Clinical Oncology. Buenos Aires, Argentina 2018.
➢Plenary Lecture "Glycans and galectins as emerging biomarkers", Clinical Biochemistry Society, 2018.
➢Opening Lecture "Innovation and Society", AMGEN Laboratories, Buenos Aires, Argentina 2018.
➢Plenary Lecture, School of Medical Sciences, National University of La Plata, Argentina 2018.
➢Plenary Lecture *Doctor Honoris Causa* Award given by the National University of San Luis, Argentina 2018
➢Invited Speaker Congress of Clinical Oncology, Córdoba, Argentina 2018.
➢Chair of the Symposium "Science and Journalism". Joint Meeting Society of Clinical Investigation and Society of Immunology, Mar del Plata, Argentina 2018.
➢Plenary Lecture 60th Anniversary LALCEC (Association of Cancer Research), Rosario, Argentina 2018.

2017
➢Invited Speaker Jenner Glycomedicine, Dubrovnik Croacia, 2017
➢Invited Speaker Cell Biology and Genetics Symposia, Pontificia Academia Vaticano, Italy, 2017
➢Invited Speaker Cell Press Symposium Cancer, Immunity and Inflammation, San Diego; USA 2017
➢Induction Lecture, National Academy of Science, Washington DC, USA, 2017
➢Invited Speaker in Global Master Immunology, Lima and Arequipa, Perú 2017.
➢Plenary Lecture Government House, Award Juan B. Bustos, Córdoba, Argentina 2017
➢Invited Speaker Glycobiology of Skin Diseases. Society of Dermatology and Novartis, Buenos Aires 2017
➢Invited Speaker Seminar Series Institute Balseiro, Bariloche, Argentina 2017.
➢Invited Speaker Seminar Series Hospital Carlos Bonorino Udaondo, Buenos Aires, Argentina 2017
➢Plenary Lecture Interamerican Conferences in Oncology, Buenos Aires, Argentina 2017
➢Plenary Lecture "Alfredo Lanari", Society of Clinical Investigation, Buenos Aires, Argentina 2017.

➤Closing Lecture "ICIVET- Litoral" Contribution of Science and Technology to the Society", Esperanza, Santa Fé, Argentina 2017.

2016

➤Invited Speaker American Association of Cancer Research (AACR), New Orleans, USA 2016
➤Invited Speaker American Society of Hematology (ASH) Lymphoma Biology, Colorado Springs, USA 2016
➤Invited Speaker, Lymphoma Microenvironment, Aarhus, Denmark 2016
➤Invited Speaker, Seminar Series Cancer Research UK, Manchester, 2016
➤Plenary Lecture "National Hospital Clinicas" National University of Córdoba, Argentina 2016.
➤ Organizer, Chair and Lecturer at the Symposium "Winning the battle against cancer", Faculty of Exact and Natural Sciences, MINCYT- RAICES University of Buenos Aires, 2016.
➤ Invited by the President of Argentina to the Meeting of Ministers "The future of Science" Buenos Aires, Argentina 2016.
➤Invited Speaker "Update in Immuno-Oncology", University of Córdoba and Roche, Argentina 2016.
➤Plenary Lecture "Annual Congress of Biochemistry" NOA, San Salvador de Jujuy, Argentina 2016.
➤Plenary Lecture "Glycocheckpoints in Oncology", University of Tucumán, Argentina 2016.
➤Plenary Lecture "Immuno-Oncology Conferences, Bristol Meyer Squibb, Buenos Aires, Argentina 2016
➤Invited Speaker "Congress of National Universities in Argentina", Buenos Aires, Argentina 2016.
➤Plenary Lecture "1st National Congress of Clinical Biochemistry and Translational Medicine", National University of Córdoba, Córdoba, Argentina 2016.
➤Plenary Lecture, Rheumatology Congress "Hospital de Clínicas", Buenos Aires, Argentina 2016.
➤Invited Speaker Argentinean Council of International Affairs, Presidency of Argentina, Buenos Aires, 2016
➤Invited Speaker "International Max Plank Institute Symposium" Buenos Aires, Argentina 2016.
➤Plenary Lecture "Argentinean Congress of Clinical Neurology" Mar del Plata, Argentina 2016.
➤Invited Speaker "Faculty of Exact and Natural Sciences" University of Córdoba, Argentina 2016
➤Invited Speaker Seminar at the National Institute of Technology (INTA), Buenos Aires, 2016
➤Invited Speaker "Translational Research Symposium" FLENI Institute , Buenos Aires, 2016
➤Invited Speaker "Workshop on Scientific Communication" Faculty of Exact and Natural Sciences, University of Buenos Aires, 2016.
➤Invited Speaker "Immuno-glycobiology" . Peruyan Society of Oncology, Lima, Perú 2016.
➤Plenary Lecture and Chair "Glycobiology of cancer". Argentinean Society of Clinical Oncology, Buenos Aires, 2016.
➤Online Course on Inmuno-Oncology, MSD Latin America, Buenos Aires, Argentina 2016
➤Invited Speaker at the Workshop "Science for Advancement of our Country", Buenos Aires, Argentina 2016

2015

➤Invited Speaker Gordon Conference Glycobiology, Lucca, Barga; Italy 2015
➤Invited Speaker Jenner Glycobiology and Medicine Symposium, Paris, France 2015
➤Invited Speaker Prospects of Immunity for Precision Cancer Medicine, University of Jerusalem, Israel 2015
➤Invited Speaker EMBO Meeting Animal Lectins, Rehovot, Israel 2015
➤Closing Lecture Latin American Congress of Glycobiology, México 2015
➤Plenary Lecture Latin American Congress of Immunology ALAI-IUIS, Medellin, Colombia 2015
➤Invited Speaker Symposium Tumor Immunology, Lima, Perú 2015
➤Plenary Lecture Symposium Signal Transduction in Biology, Bariloche, Argentina, 2015
➤Opening Lecture International Oncology Conferences Buenos Aires, Argentina, 2015

➤Invited Speaker Institute for Research and Innovation in Health, University of Porto, Porto, Portugal 2015
➤Invited Speaker Seminar Series Hospital del Mar, Barcelona, Spain 2015
➤Invited Speaker Sanofi Boston, USA 2015
➤Invited Speaker Seminar Series Ben Gurion University, Beer Sheva, Israel 2015
➤Invited Speaker Lutenberg Center for Tumor Immunology, Hadassah Medical School, Jerusalem, Israel 2015
➤Plenary Lecture at the 16th Argentinean Congress of Microbiology, Santa Fe, Argentina 2015.
➤Opening Lecture at the Interamerican Conferences in Oncology, Buenos Aires, Argentina 2015.
➤ Invited Speaker PULCOR, Argentinean Association of Clinical Oncology, Córdoba, Argentina 2015.
➤ Plenary Lecture, University of the South, Bahía Blanca, Argentina 2015.
➤Closing Lecture "Symposium on Renal Transplantation" The Argentinean Foundation for Organ Transplantation and Novartis. Buenos Aires, Argentina 2015.
➤Plenary Lecture "Argentinean Society of Biology" Buenos Aires, Argentina 2015
➤Plenary Lecture First Symposium in Immunotherapy, Hospital Militar, Buenos Aires, Argentina 2015
➤Plenary Lecture "Annual Symposium in Biomedicine" Sanatorio Allende, Córdoba, Argentina 2015.

2014
➤Keynote Speaker International Glycomics Meeting, Cannmore, Edmonton, Canada, 2014
➤Invited Speaker 29th Meeting Society of Immunotherapy of Cancer, National Harbor, MD, USA 2014
➤Plenary Lecture International Congress of Immunology Brazilian Society of Immunology, Buzios, 2014
➤Closing Lecture PAMBP 37th Annual Meeting Chilean Society of Biochemistry, Puerto Varas, Chile 2014
➤Invited Speaker Bristoll Meyer Squibb Seminar Series, CIMA, Pamplona, Spain 2014
➤Invited Speaker Seminar Series University of Maryland, Balitmore, USA 2014
➤Invited Speaker Seminar Series New York University, New York, USA 2014
➤Invited Speaker Seminar Series Lankenau Institute of Oncology, Philadelphia, USA 2014
➤Invited Speaker Keystone Meeting "Metabolism and Angiogenesis" British Columbia, Canada 2014
➤Invited Speaker Jounce Therapeutics Inc, Boston, USA 2014
➤Invited Speaker Merck Workshop Translational Research, Boston USA 2014
➤Plenary Lecture "Translational Glycobiology" Argentinean Society of Biochemistry and Molecular Biology, Rosario, Argentina 2014.
➤Closing Lecture 1st GLYCO-AR (Argentinean Congress of Glycobiology), Buenos Aires, Argentina 2014
➤EMBL Lecture (European Molecular Biology Laboratories), Buenos Aires, Argentina 2014.
➤Closing Conference, Aniversary Center of Immunology and Biochemistry, Córdoba, Argentina 2014.
➤Bunge & Born Conference Award, Santa Fé, Argentina 2014.
➤Honoris Causa Lecture "National University of Córdoba", Córdoba, Argentina 2014.
➤Invited Speaker Seminar Series Cardini "Luis F. Leloir Institute" , Buenos Aires, Argentina 2014.
➤Invited Speaker Seminar Series National University of San Martin, San Martin, Argentina 2014
➤Invited Speaker Seminar Series "Frontiers in Biosciences" Institute of Biological Research (IBR), Rosario, Argentina 2014.
➤Plenary Lecture Meeting of the Argentinean Society of Immunology, Glycoimmunology, Argentina 2014.
➤Invited Speaker Córdoba, Secretary of Science and Technology, University of Córdoba, Argentina 2014.
➤Plenary Lecture 15th Congress of Internal Medicine, Hospital de Clínicas, Buenos Aires, Argentina 2014.
➤Plenary Lecture High Complexity Laboratories (ALAC), Lujan, Argentina 2014.
➤Plenary Lecture CCT Mendoza, National University of Cuyo, Mendoza, Argentina 2014.
➤Plenary Lecture Faculty of Medicine, North East National University, Corrientes, Argentina 2014.
➤"Oscar Orias" Lecture , Society of Biology of Córdoba, Córdoba, Argentina 2014.
➤Plenary Lecture "Argentinean Medical Society and Argentinean Society of Oncology" Argentina 2014.

➤Invited Speaker Seminar Series CCT CONICET Tandil, Buenos Aires, Argentina 2014.
➤Plenary Lecture at the "14th International Conference on Neuronal Ceroid Lipofuscinoses (Batten Disease) & Patient Organization Meeting". Córdoba, Argentina 2014.
➤Plenary Lecture at the Academy of Sciences of Buenos Aires, Glycobiology of Inflammation. Argentina 2014.
➤Invited Speaker Seminar Series Henry Moore Institute of Oncology, Buenos Aires, Argentina 2014.

2013
➤Plenary Lecture International Congress of Immunology Milan, Italy 2013
➤Invited Speaker American Association of Immunologists AAI; Symposium Glycoimmunology, Hawaii, 2013
➤Invited Speaker German-Argentinean Meeting on Immunology and Infection- Hannover, Germany 2013
➤First Distinguished Lecturer Experimental Oncology- Weill Cornell Medical College, New York, USA 2013
➤Invited Speaker Satelite Symposium on Neuroimmunology, Milan, Italy 2013
➤Invited Speaker at Gennentech, San Francisco, USA 2013
➤Invited Speaker Seminar Series Jacques Monod Institute, University of Paris, France, 2013.
➤Plenary Lecture Induction Ceremony National Academy of Science, Córdoba, Argentina 2013.
➤Plenary Lecture "Jorge Avalos" Society of Biology of Córdoba, Argentina 2013.
➤Plenary Lecture "Government of Argentina" BECAR Program, Buenos Aires, Argentina 2013.

2012
➤Plenary Lecture Anniversary Mizutani Foundation for Glycoscience Tokyo, Japan 2012
➤Invited Speaker Symposium Glyco-minded Biology of Disease Tokyo, Japan 2012
➤Invited Speaker Seminar Rikey Tokyo, Japan 2012
➤Opening Lecture Latin American Society of Immunology Lima, Perú 2012
➤Plenary Lecture 11th International Congress Neuroimmunology, Boston, USA 2012
➤Invited Speaker Annual Meeting Mexican Society of Immunology, Merida, México 2012
➤Invited Speaker 22nd IUBMB and 37th FEBS Congress, Sevilla, Spain 2012
➤Invited Speaker Immunology Course Universidad de La República, Montevideo, Uruguay 2012
➤Opening Conference German-Argentinean Symposium on Pathogen Invasion and Immune Evasion, Buenos Aires, Argentina 2012.
➤Interdisciplinary Symposium (Maths-Biology) organized by the Ministry of Science and Technology, Buenos Aires, Argentina 2012.
➤Plenary Lecture Argentinean Congress of Clinical Biochemistry. Catamarca, Argentina 2012.
➤Plenary Lecture "Alberto Taquini" Clinical Society of Investigation (SAIC). Mar del Plata, Argentina 2012.

2011
➤Chair and Organizer (together with Brian Cobb and Yvette van Kooyk) "First Keystone Symposium on Glycoimmunology" Lake Louis, Alberta, Canada 2011
➤Keynote Speaker "International NIH Meeting Glycans in Cell Communication" Bethesda, USA 2011
➤Invited Speaker "Sixth Annual Georgia Glycoscience Symposium", Georgia, USA 2011
➤Invited Speaker "Society of Glycobiology", Seattle, USA 2011
➤Plenary Speaker "Third World Academy of Sciences TWAS", Trieste, Italy 2011
➤Invited Speaker "American Association of Cancer Research AACR", Orlando, Florida, USA 2011
➤Invited Speaker University of Tel Aviv, School of Life Sciences, Tel Aviv, Israel 2011.
➤Invited Speaker Ben Gurion University, Beer Sheva, Israel 2011
➤Invited Speaker Weizmann Institute of Science, Rehovot, Israel 2011
➤Invited Speaker VU University , Amsterdam, The Netherland 2011

➤Invited Speaker Nestle Research Center, Laussane, Switzerland, 2011
➤Invited Speaker Seminar Series Moffitt Cancer Center, Tampa, USA 2011
➤Invited Speaker Seminar Series IHEM-CONICET, Mendoza, Argentina 2011.
➤Plenary Lecture Tecnopolis, Argentinean Government, Villa Martelli, Argentina 2011.
➤Plenary Lecture University of Tel Aviv "Last advances in Biology and Ecology" 2011
➤Invited Speaker Workshop on Cancer organized by the Minister of Science and Technology and the Institute of Oncology (IFON, Milan) 2011.

2010
➤Invited Speaker "Keystone Symposium Immune Escape in Cancer" Keystone Colorado, USA 2010
➤Invited Speaker "Cancer Research Institute Annual Symposium" Glycans in cancer, New York, USA 2010
➤Invited Speaker "38th Annual Meeting Australasian Society of Immunology", Camberra, Australia 2010
➤Invited Speaker "International Immunopharmacology Conference" –Regulatory cells, Washington; USA 2010
➤Closing Lecture "French-Argentinian Congress of Immunology" – Buenos Aires, Argentina 2010
➤Invited Speaker William Harvey Research Institute, London, UK 2010
➤Keynote Speaker "Glycans in Cell Communication" NIH Bethesda, USA 2010
➤Invited Speaker Immunology/ Microbiology University of Maryland, Baltimore, USA 2010
➤Invited Speaker Seminar Series Dana Farber Cancer Institute, Harvard Medical School, Boston 2010
➤Invited Speaker Seminar Diabetes Research Institute, University of Miami, USA 2010.
➤Invited Speaker Congress of Immunology, Universidad de la República, Montevideo, Uruguay 2010
➤Invited Speaker Congress International Dendritic Cell Society, Paris, France 2010
➤Invited Speaker Seminar Series University of Washington, Seattle, USA 2010
➤Invited Speaker Seminar Series John Hopkins University, Baltimore, USA 2010
➤Invited Speaker Seminar Series NIH, Oral and Pharyngeal Cancer Branch, Bethesda, USA 2010
➤Invited Speaker "Latin American Congress of Autoimmunity LACA 2010" Buenos Aires, Argentina 2010
➤Plenary Lecture in the Symposium "Three Generations of Scientists" in Memorial of the Nobel Prize Bernardo Houssay. Argentinean Society of Biology, Buenos Aires, Argentina. 2010.
➤ Invited Speaker at the Symposium "Scientists of the Bicentenary", Ministry of Science and Technology, Buenos Aires, Argentina 2010.
➤ Plenary Lecture Bicentenary, University of Buenos Aires, Buenos Aires, Argentina 2010.
➤ Plenary Lecture National University of San Luis, San Luis, Argentina 2010

2009
➤ Invited Speaker "Gordon Conference Glycobiology", Ventura, California 2009
➤Keynote Speaker "10th International Congress of Mucins in Health and Disease" Cambridge, UK 2009
➤Invited Speaker "Acquired Immunity and Glycobiology"Kazusa, Japan 2009
➤Invited Speaker "III Iberoamerican Congress of Neuroimmunomodulation" Buenos Aires, Argentina 2009
➤Invited Speaker Seminar Series University of California Davis, Sacramento, USA 2009
➤Keynote Speaker Plenary Lecture "Latin American Congress of Immunology", Viña del Mar, Chile 2009
➤Invited Speaker "World Allergy Congress WAC", Buenos Aires, Argentina 2009
➤Invited Speaker Workshop Consortium for Functional Glycomics, Cambridge UK 2009
➤Plenary Lecture 28th Congress of the Society of Clinical Biochemistry, Buenos Aires, Argentina 2009
➤Invited Speaker International Symposium in Tumor Immunity, University of Quilmes, Argentina 2009
➤Plenary Lecture "Ranwell Caputto Award" National Academy of Sciences, Córdoba, Argentina 2009

➤Plenary Lecture in the Latin American Workshop for Science Education". Academy of Exact and Natural Sciences, Bernardino Rivadavia Museum, Buenos Aires, Argentina 2009.

2008

➤Invited Speaker "38th Annual Meeting Australasian Society of Immunology", Cambera, Australia 2008
➤Invited Speaker Seminar Center de Recherche en Infectiologie "Labal University", Quebec, Canada, 2008.
➤Invited Speaker Symposium "University of Pensylvania Host-Microbe Interactions", Philadelphia, USA 2008
➤Invited Speaker Seminars "University of San Francisco", San Francisco, CA; USA 2008.
➤Invited Speaker Diabetes Research Center, University of Miami, Miami, FL, USA 2008.
➤Invited Speaker Seminars University of Maastrich, The Netherlands, 2008.
➤Invited Speaker Pasteur Institute, Montevideo, Uruguay 2008.
➤Invited Speaker Tumor Immunology Workshop, Camberra, Australia 2008
➤Invited Speaker Immunology Symposium Organized by INFANT Foundation, Buenos Aires, Argentina 2008
➤Chair and Speaker Symposium "Glycomics in Health and Disease" Argentinean Society of Clinical Investigation, Mar del Plata, Argentina 2008.
➤Plenary Lecture "Leonardo Satz" Argentinean Society of Immunology, Córdoba, Argentina 2008.
➤Plenary Lecture "Lymphomas" Argentinean Society of Hematology, Córdoba, Argentina 2008.
➤Plenary Lecture 12th Congress of Internal Medicine, Buenos Aires, Argentina 2008.

2007

➤Invited Speaker "Sapporo Conferences" Glycobiology and Cancer, Sapporo, Japan 2007.
➤Invited Speaker Society of Glycobiology, Consortium for Functional Glycomics, Boston, USA 2007
➤Invited Speaker Meeting "Trauma, Shock, Inflammation and Sepsis"Munchen, Germany 2007
➤Invited Speaker Symposium "Tango Lessons for Brain Cancer Research: Understanding Cellular Intrincacy, Improvising New Therapies". James McDonnel Foundation Workshop. Córdoba, Argentina 2007
➤ Invited Speaker Seminars MD Anderson Cancer Center, Houston, USA 2007..
➤Invited Speaker American Society of Chemistry, Symposium: Galectins, structure, biochemistry and function, Boston, USA 2007.
➤Invited Speaker Workshop "Glycomics of Immune Responses" 13th International Congress of Immunology, Rio de Janeiro, Brazil, 2007
➤Invited Speaker Seminar Series "Tuffts University", Department of Immunology, Boston, USA 2007.
➤Invited Speaker Seminar Series "Harvard Medical School" Department of Neurology, Boston, USA 2007.
➤Invited Speaker "International Congress of Cell Death" , Angra dos Reis, Brazil 2007.
➤Plenary Lecture "5th International Congress of Reproductive Immunology", Berlin, Germany 2007.
➤Invited Speaker International Symposium "Recent Progress in Cancer Biology and Therapeutics", National Academy of Medicine, Buenos Aires, Argentina 2007.
➤Plenary Lecture International Symposium "Current Status and Future of anti-cancer targeted therapies", 1st Interamerican Oncology Conferences, Buenos Aires, Argentina 2007
➤Plenary Lecture "Congress of Clinical Biochemisry" Carlos Paz, Argentina 2007.
➤Invited Speaker Symposium "Argentinean Society of Biochemistry and Molecular Biology" Mar del Plata, Argentina 2007.
➤Plenary Lecture Biochemical Congress of the Province of Buenos Aires, Mar del Plata, Argentina 2007
➤Plenary Lecture 6th meeting of the Ministry of Education ITBA, Buenos Aires, Argentina 2007
➤Plenary Lecture 2nd Argentinean School of Maths and Biology, Faculty of Physical Sciences, Córdoba, Argentina 2007.

2006

➤Invited Speaker "American Society of Hematology ASH" Lymphocyte Biology Sessions, Orlando, USA 2006
➤Invited Speaker Seminar Series "Harvard Medical School" Department of Neurology, Boston, USA 2006.
➤Invited Speaker Seminar "Center of Marine Biotechnology" University of Maryland, Baltimore, USA 2006
➤Invited Speaker Seminar Series "New York University" Medical Center, New York, USA 2006
➤Invited Speaker Seminar Series "Charite University" Berlin, Germany 2006.
➤Invited Speaker Seminar Series "Dana Farber Cancer Institute" Boston, USA 2006
➤Invited Speaker Plenary Conference "Universidad Autónoma de Coahuila" Torreon, México 2006.
➤Invited Speaker "Hospital Oca; División Ciencias de la Salud" UDEM, Monterrey, México 2006.
➤Invited Speaker "Brazilian Society of Immunology" Buzios, Brazil 2006.
➤Plenary Lecture "TWAS ROLAC First Regional Conference" Promoting Life Sciences for Susteinable Development, Angra dos Reis, Brazil 2006.
➤Invited Speaker Seminar Series Institute of Biotechnology, University of San Martin, Argentina 2006.
➤Invited Speaker 1st German-Argentinean Meeting on Cell Therapies in Cancer and Degenerative diseases. ARGER Foundation. Buenos Aires, Argentina 2006.
➤Invited Speaker 3rd Meeting on Lymphoproliferative Disorders, Córdoba, Argentina 2006.
➤Invited Speaker Meeting Advances in Cancer Treatment, University of Rosario and Roche Lab, Rosario 2006
➤Invited Speaker Argentinean Association of Cancer, Buenos Aires, Argentina 2006.
➤Plenary Conference "Nobel Prize Luis F. Leloir" National Academy of Medicine, Buenos Aires, Argentina 2006

2005

➤Invited Speaker at the Weizmann Institute of Science "80th Anniversary of Prof. Nathan Sharon", Rehovot, Israel 2005.
➤Invited Speaker Symposium "Targeted Therapies" European Academy of Rheumatology EULAR, Nisa, France, 2005
➤Invited Speaker Seminar Series "Institute of Genetics" Montpellier, France, 2005
➤Invited Speaker Universidad de la República, Symposium Tumor Immunology, Montevideo, Uruguay 2005
➤Invited Speaker Chilean Society of Cell Biology, Pucón, Chile 2005
➤Invited Speaker Latin American Society of Immunology, Córdoba, Argentina 2005.
➤Plenary Conference Argentinean Genetics Society, Mar del Plata, Argentina 2005.
➤Plenary Conference 24th Meeting of the Latin American Society of Dermatology (RADLA), Buenos Aires, Argentina 2005.
➤Plenary Conference of the Annual Congress of Clinical Biochemistry, University of Litoral, Santa Fe, Argentina 2005.
➤Invited Speaker "Symposium in Oncology" Hospital Angel Roffo, Buenos Aires, Argentina 2005
➤Invited Speaker "Max Plank Symposium" Claridge Hotel Buenos Aires, Argentina, 2005
➤Invited Speaker Seminar Series "Luis Federico Leloir Institute", Buenos Aires, Argentina 2005.

2004

➤Invited Speaker "Interlec 21: International Congress of Lectins 21", Shonan Village, Japan 2004.
➤Invited Speaker "Glycobiology Interest Group", John Hopkins University, Baltimore, USA 2004.
➤Invited Speaker Seminar "Center for Marine Biotechnology" University of Maryland, Baltimore, USA 2004.
➤Invited Distinguished Speaker Seminar Series"Moffit Cancer Center", Tampa, Florida 2004.
➤Invited Speaker Seminar Series "London School of Hygiene and Tropical Medicine", London, UK 2004.

➢Invited Speaker Seminar Series Glycoscience Department "Imperial College" London, UK 2004.
➢Invited Speaker "12th Meeting on Cell Biology" Sao Paulo, Brazil 2004.
➢Invited Speaker "Iberoamerican Congress of Rheumatology" Buenos Aires, Argentina 2004.
➢Plenary Conference "Society of Biology of Córdoba" Córdoba, Argentina 2004.
➢Opening Lecture "3rd Interdisciplinary Meeting of Universities" La Plata, Argentina 2004.
➢Invited Speaker "Immunity and Cancer" 10th International Congress of Internal Medicine, Buenos Aires, Argentina 2004.
➢Invited Speaker "Ministry of Education" Buenos Aires Piensa. Govermnent of Buenos Aires City, 2004.
➢Invited Speaker Symposium on Cancer. Meeting of Science, Technology and Society, Buenos Aires, 2004
➢Invited Speaker Seminars Faculty of Exact and Natural Sciences, University of Buenos Aires, 2004.
➢Invited Speaker Seminars Institute of Technology (INTA-Castelar), Castelar, Argentina 2004.

2003

➢Invited Speaker "Mediterranean School of Oncology" Symposium "New Molecular Targets in Cancer Therapy", Rome, Italy 2003
➢Invited Speaker Seminar Series "University of Tor-Vergata" Rome, Italy 2003.
➢Invited Speaker Seminar Series "University of Chieti" Chieti, Italy 2003.
➢ Invited Speaker Seminar Series "Max Plank on Neurobiology "Munchen, Germany 2003.
➢Invited Speaker Seminar Series "Institute of Physiology, Physiological Chemistry and Animal Nutrition, Faculty of Veterinary Medicine, Lux-Maximilians University of Munchen "Munchen, Germany 2003.
➢Plenary Lecture "2nd International Congress of Immunology", Lima, Perú 2003.
➢Symposium Anniversary Hospital Italiano, Córdoba, Argentina 2003.
➢ Symposium "Mechanisms of tumor-immune escape", Argentinean Society of Clinical Investigation, Mar del Plata, Argentina 2003.

2002

➢Invited Speaker National Congress of Genetics, Mar del Plata, Argentina 2002.
➢Invited Speaker Seminar Series Rheumatology Division Hospital de Clínicas "José de San Martín", School of Medicine, University of Buenos Aires, Buenos Aires, Argentina 2002.
➢Invited Speaker "Gene Therapy in Latin America: From the bench to the clinic" Institute Luis F Leloir, Buenos Aires, Argentina 2002.
➢Invited Speaker "Neuroimmunology" FLENI Institute, Buenos Aires, Argentina 2002.
➢Invited Speaker "New Advances in Cancer" "Meeting of the Association of Biochemistry", Córdoba, Argentina, 2002.
➢Invited Speaker "Emerging solutions in Rheumatology", Congress of Hospital de Clínicas "José de San Martín", Buenos Aires, Argentina, 2002.
➢Invited Speaker "New Therapies in Rheumatoid Arthritis", Latin American Congress of Rheumatology", Mar del Plata, Argentina, 2002.

2001

➢Invited Speaker EC Conferences, Symposium on Glycosciences and Inflammation, Brussels, Belgium 2001.
➢ Plenary Conference 5th Meeting of Biochemistry, Faculty of Biochemical and Pharmaceutical Sciences, National University of Rosario, Argentina. 2001.
➢Invited Speaker Round Table "Juniors meeting". 25th Annual Meeting of the Argentinean Society of Allergy and Immunology, Buenos Aires, Argentina 2001.

2000

➤Invited Speaker "100th Anniversary Instituto Oswaldo Cruz", Symposium on Genetic Manipulation and Gene Therapy", Rio de Janeiro, Brazil 2000
➤Invited Speaker "Annual Meeting of the Chilean Society of Biochemistry and Molecular Biology" Viña del Mar, Chile 2000.
➤Invited Speaker "Symposium Hot Topics in Immunology" Argentinean Society of Allergy and Immunology, Buenos Aires, Argentina 2000.
➤Invited Speaker "New therapeutic strategies in Autoimmunity". Argentinean Society of Allergy and Immunology, Buenos Aires, Argentina 2000.
➤Invited Speaker "Advances in Molecular Immunopharmacology". 2nd Congress of Neuropsychopharmacology, Córdoba, Argentina 2000.
➤Invited Speaker "Immunomodulatory therapies". 48th Annual Meeting of the Argentinean Society of Immunology and Clinical Investigation, Mar del Plata, Argentina 2000.
➤Invited Speaker Round Table Gene Therapy "Argentinean Society of Cancer. Buenos Aires, Argentina 2000

1999

➤Invited Speaker, Interdisciplinary Symposium "Frontiers of Cell and Molecular Biology". Society of Biology of Córdoba, Córdoba, Argentina 1999.

1998

➤Invited Speaker Symposium "Young Talent Scientists of South America" 27th Annual Meeting of the Brazilian Society of Biochemistry and Molecular Biology, First Prize given to the Young Talented Scients of South America, Caxambu, Brazil, 1998.
➤Invited Speaker, Symposium in Memorial of Leonardo Satz. Argentinean Society of Allergy and Immunology, Buenos Aires, Argentina 1998.
➤Invited Speaker, Symposium on Molecular Cloning. Faculty of Exact and Natural Sciences, University of Córdoba, Argentina. 1998.

1997

➤Seminar Speaker "Weizmann Institute of Science" Department of Immunology, Rehovot, Israel 1997
➤Seminar Speaker "The Kennedy Institute of Rheumatology" Imperial College, London, UK 1997
➤Seminar Speaker "Department of Clinical Biochemistry"; National University of Cordoba, Argentina, 1997

15. CHAIR AND ORGANIZER OF SCIENTIFIC MEETINGS

➤ Member of the International Organizing Committee 1st International Immunology Congress, Lima, Perú 2003
➤ Chair and Organizer of the Symposium "Apoptosis", 52th Meeting of the Argentinean Society of Immunology, 2004
➤ Chair and Organizer of the Symposium "Tumor Immunology" Congress of the Latin American Society of Immunology 2005.

➤ Organizer and chair First Workshop on "Glycomics of the Immune Response", International Congress of Immunology, Río de Janeiro, Brazil 2007.
➤ Member of the Organizing Committee 13th International Congress of Immunology, Río de Janeiro, Brazil 2007.
➤ Organizer and Chair Symposium "Glycans in Health and Disease", Argentinean Society of Clinical Investigation Mar del Plata, Argentina 2008
➤ Member of the International Organizing Committee Latin American Congress of Immunology, Santiago de Chile, 2009.
➤ Organizer and Chair Symposium "Molecular signatures and therapeutic targets in lymphoproliferative disorders", Argentinean Society of Clinical Investigation, Mar del Plata, Argentina 2009
➤ Member of the Organizing Committee "French-Argentinean" Symposium in Tumor Immunology, Buenos Aires, 2010
➤ Chair Symposium "Glycobiology of neuroinflammation" Society of Clinical Investigation , Mar del Plata, Argentina 2011
➤ Chair and Organizer First Keystone Symposium in "Glycoimmunology", Lake Louise, Canada 2011.
➤ Member of the Organizing Committee "International Congress of Cell Biology", Buzios, Brazil 2012
➤Member of the Advisory Committee "Latin American Congress of Immunology", Lima, Perú 2012
➤ Organizer of the First Congress of Glycobiology of Argentina, Glyco-AR, Buenos Aires 2014
➤ Chair and Organizer of the International Symposium "The war against cancer" (Symposium that attracted 1200 young scientists and students from all the country with special invited speakers including the Nobel Prize Laurate "Jack Szostak" lecture, Faculty of Exact and Natural Science, University of Buenos Aires 2015.
➤ Member of the International Committee of Keystone Meetings (2015-present)
➤ Member of the Organizing Committee of the Second Congress of Glycobiology, Glyco-AR, Villa General Belgrano, Córdoba 2016
➤ Director Immuno-Oncology Meeting- Argentinean Society of Clinical Oncology, 2016 BA, Argentina
➤ Chair and Organizer Symposium "Immunotherapy: The Revoluton in the Treatment of Cancer", Faculty of Exact and Natural Sciences, University of Buenos Aires, 2017. Special Invited Speakers: Robert Schreiber, Lisa Coussiens, Antoni Ribas.
➤ Co-Chair 2nd LACOG meeting of the American Association of Cancer Research (AACR), Sao Paulo, Brazil 2018.
➤ Organizer of the Meeting on Science and Communication, Argentinean Society of Clinical Investigation, Mar del Plata, 2018.
➤ Member of the Organizing Committee 17th International Congress of Immunology (IUIS2019), Beijing, China 2019.
➤ Member of the Organizing Committee International Congress of Metastasis (Chair Julio Aguirre-Ghiso), Buenos Aires, 2020
➤ Member of the Organizing Committee of the Third Congress of Glycobiology, Glyco-AR Buenos Aires 2019.
➤ Chair and Organizers of the International Symposium and Course "Immunotherapy 2022" (Special Invited Speakers: James Allison (Nobel Prize 2018), Lawrence Steinmann, Sebastian Amigorena, Buenos Aires, Argentina.
➤ Member of the Organizing Committee: "Latin American Congress of Glycobiology" Virtual, 2021
➤ Member of the Organizing Committee: "International Congress of Immunology" Cape Town, South Africa, 2022
➤ Member of the Organizing Committee Annual Meeting of the American Association of Cancer Research (AACR) 2022

➤ Member of the Organizing Committee Immuno-Oncology Meeting of the American Association of Cancer Research (AACR) Los Angeles, USA 2023

16. TEACHING RESPONSIBILITIES

➤Assistant Professor "General Immunology Course", National University of Córdoba, Argentina 1993-1999
➤Assistant Professor "Applied Immunology Course", National University of Córdoba, Argentina 1996-1999
➤ Invited Professor "Post-graduate Course in Allergy and Immunopathology" National University of Córdoba, Argentina 1994, 1995, 1996, 1997, 1998, 1999.
➤Invited Professor "Pathology Course", National University of Córdoba, Argentina 1996-2000.
➤ Organizer of the Workshop "Molecular and Immunological Aspects of HIV infection". National University of Córdoba, Argentina 1996.
➤ Co-chair Course Molecular Biology "Principle and applications of PCR" Villa Giardino, Córdoba, 1997.
➤ Director of the Course on Molecular Immunology, Master in Immunology, San Luis, Argentina 1998
➤ Invited Professor "4th Post-graduate Course on Medical Genetics", Córdoba, Argentina 1998
➤ Invited Professor "Post-graduate Course in Dermatology" Hospital de Clínicas Córdoba, Argentina 1998.
➤ Invited Professor "Post-graduate Curse in Medical Genetics" , Córdoba, Argentina 1999.
➤ Invited Professor Course "Glycobiology of cancer" "Hospital Angel Roffo" , Buenos Aires, Argentina 1999
➤ Invited Professor Course "Glycobiology of Infectious Diseases", Buenos Aires, Argentina 1999
➤ Director of the Course "Advances in Immunology" Argentinean Society of Pediatrics 2000.
➤Assistant Professor "Course on Microbiology, Parasitology and Immunology", Faculty of Medicine, University of Buenos Aires 2000-2005
➤ Invited Professor Master in Molecular Medicine, Institute Leloir, Buenos Aires, Argentina 2000
➤ Invited Professor Course "Immune Tolerance and Autoimmunity" , Córdoba, Argentina 2000.
➤ Invited Professor Course Immunology, Children Hospital Gutierrez , Buenos Aires, Argentina 2000.
➤ Invited Professor Doctoral Course "Immunity and Infection" , Córdoba, Argentina 2000.
➤Invited Professor "Internal Medicine Course", School of Medicine, University of Buenos Aires, 2000-2002
➤Invited Professor "Molecular Glycobiology", National University of Córdoba, Córdoba, Argentina 2001.
➤Invited Professor "Physiology of the Immune Response" Course. Faculty of Exact and Natural Sciences, University of Buenos Aires 2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019.
➤ Invited Professor Master in Biotechnology, Faculty of Veterinary Sciences , Buenos Aires, Argentina 2001.
➤ Invited Professor Course "Topics in Molecular Immunology" Argentinean Society of Allergy and Immunology, 2001
➤ Invited Professor Course "Gene Therapy" Hospital de Clínicas José de San Martín, Buenos Aires, 2001
➤ Director of the Course "Immunotechnology and Gene Therapy", Argentinean Society of Immunology, Buenos Aires 2002.
➤Invited Professor Brazilian-Argentinean Biotechnology Center (CABBIO), San Salvador de Bahía, Brazil 2002.
➤ Invited Professor Course on "Autoimmunity" School of Biochemistry, San Juan, Argentina 2002
➤ Professor Course "Cell Death Mechanisms", Hospital de Clínicas, Buenos Aires, Argentina 2002
➤ Professor "International Course of Oncology" European School of Oncology, Rome, Italy 2003.
➤ Professor "Course on Biotechnology" , Faculty of Veterinarian Sciences, Univ. Buenos Aires, 2003
➤ Professor "Course on Endocrinology", Hospital Posadas, Buenos Aires 2003
➤ Professor Course "Advances in Cell and Molecular Biology", Institute Leloir, Buenos Aires 2003.
➤ Professor Course "Immunology", Hospital Rivadavia, Buenos Aires 2003.
➤ Professor Satelite Course 2nd International Congress of Immunology, Lima, Perú 2003.
➤ Invited Professor Master in Molecular Medicine, Institute Leloir, University of Buenos Aires, 2003

➢ Director Course of "Tumor Immunology" Master in Immunology, University San Luis, Argentina 2004.
➢ Invited Professor Society of Endocrinology and Metabolism, Buenos Aires 2004.
➢ Professor Course "Carcinogenesis: from molecular pathways to therapy" IBYME, Buenos Aires 2004.
➢ Professor Course "Molecular Oncology" University of Rosario, 2004.
➢Invited Professor "Molecular Biology in Medicine" Clínica Suizo-Argentina, Buenos Aires 2004.
➢ Invited Professor "Master in Molecular Medicine" University of Buenos Aires, Argentina 2004.
➢ Director together with Dr. Eduardo Arzt of the Course of "Molecular Physiology of Immune Responses" Faculty of Exact and Natural Sciences, University of Buenos Aires 2005
➢ Director of the Course "Immunity, Tolerance and Cancer", University of Rio Cuarto, Argentina 2006
➢Invited Professor "Immunology Course" Faculty of Exact and Natural Sciences, National University of La Plata, Buenos Aires, Argentina 2005-2007
➢Invited Professor"Glycobiology" Course on Biological Chemistry. Luis Federico Leloir Institute, Buenos Aires, Argentina 2002, 2003, 2004.
➢Invited Professor Microbiology Course, Department of Biological Chemistry, Faculty of Exact and Natural Sciences, University of Buenos Aires, 2005-2014
➢Adjunct Professor responsible of the Immunology Course, Department of Biological Chemistry, Faculty of Exact and Natural Sciences, University of Buenos Aires, 2005-2010
➢ Invited Professor "Basic Immunology Course" . Children Hospital Gutierrez 2005
➢ Invited Professor Course "Glycobiology: from molecules to function", Department of Organic Chemistry, University of Buenos Aires 2005.
➢Invited Professor Course "Glycobiology of Cancer" Universidad de la República" , Montevideo, Uruguay 2005.
➢Invited Professor Course "Science Communication" Institute Leloir, Buenos Aires, Argentina 2005.
➢ Invited Professor Course "Immune Tolerance" Faculty of Pharmacy and Biochemistry, University of Buenos Aires, 2005.
➢Invited Professor Course on Endocrinology and Metabolism, Faculty of Medicine, University of Buenos Aires, 2006.
➢Invited Professor Post-graduate Course "Dendritic cells from health to disease" National University of Córdoba, Argentina 2006.
➢ Invited Professor Course "Carcinogenesis from molecular pathways to clinical medicine" Institute of Biology and Experimental Medicine, IBYME, Buenos Aires, Argentina 2006.
➢ Invited Professor Course "Glycoimmunology" University of Sao Paulo, Riberao Preto, Brazil 2006
➢Invited Professor Course "Cancer at the Frontiers of Glycobiology and Immunology" University of Rio Cuarto, Argentina 2006
➢Invited Professor "Genetics and Molecular Biology" Course. Faculty of Pharmacy and Biochemistry, University of Buenos Aires. 2007-2008.
➢Invited Professor Course "Apoptosis and Cancer" University of Buenos Aires, Argentina 2007
➢Invited Professor Course "Immunological Methods" Faculty of Exact and Natural Sciences, University of Buenos Aires, 2007.
➢Invited Professor Course "Cell Death Mechanisms" IBYME, Buenos Aires 2007.
➢Invited Professor General Course on Physiology, IBYME, Buenos Aires 2007
➢Post-graduate Seminar Course Tufts University, Boston, USA 2007
➢Invited Professor Post-graduate Course (PSH-67244) 2007 "Maladies humaines et anomalies du metabolisme-human diseases and abnormality of metabolism". Centre de Recherche en Infectiologie, Universite LAVAL, Quebec, Canada. 2007
➢Invited Professor Course on "Carcinogenesis: from molecules to clinics" IBYME, Buenos Aires 2008

➤Invited Professor Course "Bases of Oncohematology" Sanatorio Julio Mendez, Buenos Aires 2008
➤Invited Professor "Therapeutic Advances in Cancer" University of Rosario, Argentina 2008
➤ Invited Professor Course "Advances in Apoptosis" , IBYME, Buenos Aires 2008
➤Invited Professor Course on "Immunomodulation" Buenos Aires University, Buenos Aires 2009
➤Invited Professor Master in Endocrinology. Modules: Immunology and Glycobiology, Univ. Austral, 2009
➤Invited Professor Course in Carcinogenesis, IBYME, Buenos Aires 2010.
➤Invited Professor Course Advances in Glyco-immunology, Universidad de La República, Uruguay 2010
➤Invited Professor Course Apoptosis in Cancer, Faculty of Exact and Natural Sciences, Universidad de Buenos Aires, Argentina 2010.
➤Invited Professor Course "Signal transduction, challenges and therapeutic opportunities" Faculty of Pharmacy and Biochemistry, University of Buenos Aires, 2010.
➤Associate Professor responsible of the Immunology Course, Department of Biological Chemistry, Faculty of Exact and Natural Sciences, University of Buenos Aires, 2010-2012
➤Invited Professor Master of Endocrinology and Metabolism, Universidad Austral, Pilar, Buenos Aires 2011
➤ Director Course "Immunity and Cancer" , Master of Immunology, University of San Luis, Argentina 2012
➤Full Professor and Chair, Immunology Course, Department of Biological Chemistry, Faculty of Exact and Natural Sciences, University of Buenos Aires, 2012-present
➤Invited Professor Course of Carcinogenesis, IBYME, Buenos Aires 2012
➤Invited Professor French-Argentinean Course on Cell Biology, University of Buenos Aires 2012
➤Invited Professor Master of Endocrinology and Immunology, Universidad Austral, Pilar 2013
➤Invited Professor Course on "Cancer", Hospital Italiano Buenos Aires, 2013
➤Invited Professor Course "Glycobiology of Cancer" , Institute Pasteur, Montevideo, Uruguay 2013
➤Invited Professor International Course ASCAI (Argentinean Society of Immunology) Los Cocos, 2013.
➤ Co-organizer Course on "Glycobiology" , Buenos Aires, Argentina 2014.
➤ Organizer Workshop "Glycomedicine" Buenos Aires, Argentina 2014
➤Invited Professor Course of Carcinogenesis, IBYME, Buenos Aires, Argentina 2014
➤Invited Professor Course "Tumor Biology" CONICET Mendoza, Argentina 2014
➤Invited Professor Course "Immunopathology of renal transplantation" Foundation of Organ and Tissue Transplantation, Buenos Aires, 2014.
➤Invited Professor First Workshop in Immuno-Oncology (MSD Argentina), Buenos Aires, Argentina 2014.
➤Invited Professor Cancer Immunology, Hospital Italiano Buenos Aires, Argentina 2015.
➤Invited Professor Online Course of Basic Immunology, BMS, Buenos Aires, Argentina 2015
➤Invited Extraordinary Professor, Universidad Nacional del Sur, Bahía Blanca, Argentina 2015.
➤Invited Professor Training in Immuno-Oncology, BMS, Buenos Aires, Argentina 2015.
➤Director Course in Immuno-Oncology, Argentinean Society of Clinical Oncology, Córdoba, Argentina 2016
➤Invited Professor Course of Tumor Immunology, Peruyan Society of Oncology, Lima, Perú 2016.
➤Invited Professor Course "Cancer at the Frontiers of Immunology and Glycobiology" , Argentinean Society of Clinical Oncology, Buenos Aires 2016.
➤Invited Speaker "Immuno-glycobiology", Universidad Cayetano Heredia, Lima, Perú 2017.
➤Invited Speaker Course "Carcinogenesis", IBYME, CONICET 2018, 2020, 2022.
➤Organizer and Speaker Course Clinical Inmuno-Oncology, University of Buenos Aires and Universidad Austral 2020, 2021, 2023
➤Invited Speaker Annual Course on Uro-Oncology 2020, 2022
➤Organizer and Speaker Course "Immunotherapy 2022: From the gene to clinical therapy" Faculty of Exact and Natural Scienes, University of Buenos Aires..

17. MEMBER OF ADVISORY COMMITTEES FOR GRANTS, INSTITUTIONS AND AWARDS

- Grant Reviewer Agencia Nacional de Promoción Científica y Tecnológica, Argentina 2000-2019
- Grant Reviewer Universidad de La República, Montevideo, Uruguay 2001-2015
- Grant Reviewer for Fundación Sales 2000-2020
- Grant Reviewer for Doctoral Theses, School of Biochemistry, University of Buenos Aires 2001-2008
- Member of the Advisory Board Editorial Médica Panamericana 2001-2002
- Member of the Advisory Committee Scientific Projects (University of Córdoba; Argentina 2002-2005)
- Ad-hoc Reviewer National Council of Scientific and Technical Investigation, CONICET 2002-2020
- Grant Reviewer, Secretary of Science and Technology, Universidad del Litoral, Santa Fe, Argentina 2002
- Ad-hoc Reviewer Carrillo-Oñativia Fellowships- Ministry of Health, Argentina 2003
- Reviewer of applications for the Patent Office The Netherlands, 2004
- Award Committee Argentinean Society of Biology 2004
- Selection Committee Assistant Professor Department of Microbiology, Parasitology and Immunology, 2004.
- Award Committee 12th International Congress Cell Biology 2005.
- Reviewer Wellcome Trust (UK) 2005-2008
- Reviewer National Science Foundation (NSF; USA) 2005
- Member of the Ad-hoc Committee National Agency for Promotion of Science and Technology (2006, 2007)
- Reviewer "Fonds National de la Recherche Scientifique", Belgium 2006-2007
- Grant Reviewer Foundation for Cancer Treatment, Belgium 2006
- Grant Reviewer CONICYT- Program for Science and Technology, Chile 2007
- Grant Reviewer National Academy of Austria, 2007
- Grant Reviewer, Master in Immunology, Catholics University of Chile, 2007
- Selection Committee Leonardo Satz Award, Argentinean Society of Immunology 2007
- Member of the Advisory Committee in Medical Sciences (National Research Council, Argentina 2006-2007)
- Member of the Advisory Board Immunology Nucleus Millenium Projects (Chile, 2007-2009)
- Member of Post-graduate Committee Catholics University of Córdoba (Argentina 2007-2019)
- Member of the Selection Committee "Bunge & Born Award" in Experimental Medicine, 2008.
- Ad-hoc Reviewer "John Simon Guggenheim Memorial Foundation" New York, 2008, 2010, 2011
- Ad-hoc Reviewer Bi-National Projecs ICGEB-CBP Italy- Argentina 2008
- Reviewer for Tenure Track Professor, University of California, Davis, USA 2008
- Reviewer of Fellowships IUCC (International Union Cancer Control), Italy 2008
- Grant Reviewer MRC (Medical Research Council), UK 2008.
- Reviewer for Tenure Track Professor, University of Pensylvania, USA 2009
- Grant Reviewer University of La República, Montevideo, Uruguay 2009
- Grant Project Scientists, University of California, Davis, USA 2009
- Grant Reviewer Dutch Cancer Society, The Netherlands, 2009
- Selection Committee L'Oreal Prize for Women in Science, 2009 and 2019
- Grant Reviewer Third World Academy of Science (TWAS), 2010
- Grant Reviewer USA-Israeli Binational Foundation for Science 2010.
- Grant Reviewer The Netherlands Organization for Scientific Research (NWO). 2010
- Grant Reviewer Australasian Society of Multiple Sclerosis, 2010.
- Grant Reviewer Academia Sinica, Taiwan, 2010.
- Advisory Board International Collaborative Grants Germany-Argentina 2010
- Grant Reviewer Universidad Austral, Argentina 2010

➤Selection Committee Assistant Professor Department of Biological Chemistry, Univ. of Buenos Aires 2010
➤**Elected Member of the Council of Directors Institute of Biology and Experimental Medicine (2011-2017)**
➤**Deputy Director Institute of Biology and Experimental Medicine, CONICET (2011-2020)**
➤Reviewer for Tenure Track Professor, University of California, Irwine, USA 2011
➤Grant Reviewer Wellcome Trust, London 2011
➤Reviewer Tenure Track Professorship, Academia Sinica, Taiwan 2011
➤Reviewer to Select Institute Director (CIPYP); 2011.
➤Ad-hoc Reviewer Promotion to Senior Scientist Professors, University of Ben Gurion, Beer Sheva, Israel 2013
➤Member of the Advisory Board of the Dean University of Buenos Aires (2014-2016)
➤Selection Committee Assistant Professor Department of Molecular Physiology, Univ. of Buenos Aires 2014
➤International Advisory Board Keystone Symposia (2015)
➤Ad-hoc Reviewer Promotion to Associate Professor, University of California, San Diego 2015
➤Member of the Latin American Council of the American Association of Cancer Research (2016-present)
➤Grant Reviewer Kenneth Rainin Foundation, USA 2016, 2017, 2018, 2019, 2020
➤Reviewer new members TWAS (Third World Academy of Science), 2016
➤Ad-hoc Reviewer Promotion Associate Professor de Case University, USA, 2016
➤Grant Reviewer Pancreatic Cancer Research Foundation UK; 2016
➤Selection Committee Awards The Journal of Immunotherapy of Cancer, USA, 2016
➤Grant Reviewer Israeli Ministry of Science and Technology, 2016
➤Advisory Committee Warshaw Institute of Translational Medicine, Poland 2016
➤Member of the Selection Committee "Konex Awards" 2017
➤Member of the Selection Committee "National Academy of Sciences Award" Argentina 2017
➤Member of the Selection Committee "Perfil Prizes" 2016, 2017, 2018, 2019, 2020
➤Grant Reviewer Kenneth Rainin Foundation, USA 2017, 2018, 2019
➤Grant Reviewer Netherlands Academy of Arts and Science, 2017
➤Reviewer Teaching Plans Carreer of Biology, University of Buenos Aires 2017
➤Grant Reviewer Israeli Scientific Foundation, 2018
➤Reviewer Promotions to Professor, John Hopkins University, USA 2018
➤Member of the Committe of New Members Election, National Academy of Sciences 2019
➤Member of the Selection Committee "Houssay Awards" and "Investigator of the Nation" 2019
➤Member of the Selection Committee "L'Oreal Prize for Women in Science" 2019
➤Reviewer Promotion to Professors, Univ of Miami, FL 2019
➤Reviewer Young TWAS Awards, Brazil 2019
➤PhD thesis Advisory Committee for Santiago Zelenay (2002), Mariela Chertkoff (2002), Esteban Hoijman (2002), Virginia Andreani (2005), Luis Ubillo (2006), Claudia Ruibal (2006), Virginia Pasquinelli (2007), Eugenia Riveiro (2008), Nidia Garnero (2008), Julie Nieminen (2008), Nicolás Amiano (2009), Ariel Quiroga (2009), Virginia Tribulatti (2009), Soledad Sosa (2009), Virginia Andreani (2010), Jimena Giudice (2011), Agustina Merlotti (2012), Sandra Carvalho (2015), Augusto Varese (2018).
➤Grant Reviewer for the QBRI, National Biomedical Institute established by Qatar Foundation (https://www.hbku.edu.qa/en/qbri) 2020
➤Evaluation of Fellows for the Royal Academy of Sciences, UK, 2021.
➤Evaluation Associate Professor The Wistar Institute Philadelphia, USA, 2021
➤Jury L'Oreal Prize, 2021
➤Evaluation Post-doctoral Fellows EMBO 2022
➤Advisory Board New Institute on Immuno-Oncology Warshaw, Polland 2022
➤Grant Reviewer VENI Grants, The Netherlands, 2023

➤Evaluation Academy Fellows, Wayne State University 2023

18. SOCIETY MEMBERSHIP

➤Society for Glycobiology (SFG; USA)
➤Latin American Society of Glycobiology (Mexico)
➤American Association of Immunologists (AAI; USA)
➤American Association of Cancer Research (AACR; USA)
➤ Argentinean Society of Immunology (SAI; Argentina)
➤ Latin American Association of Immunology (ALAI)
➤Argentinean Society of Biology (SAB)
➤European Research Institute for Integrated Cellular Pathology (ERI-ICP)
➤Advisory Board International Society for Dendritic Cell and Vaccine Science
➤Honorary Member, Royal College of Physicians (UK)
➤Argentinean Society of Clinical Investigation (SAIC)
➤Argentinean Society of Clinical Cancerology (SAC)
➤Argentinean Society of Biochemistry and Molecular Biology (SAIB)
➤British Society of Immunology (BSI) (Honorary Member)
➤Latin American Regional Committee American Association of Cancer Research (AACR; USA)