

Résumé: GEFNER JORGE

1. CURRENT POSITIONS

1. (2013-to date) Senior Researcher –Natl Research Council (CONICET), Argentina.
2. (2013-to date) Full Professor of Immunology. Sch of Medicine. University of Buenos Aires.
3. (2019-to date) Director. Microbiology, Parasitology and Immunology Dept. Sch Medicine, University of Buenos Aires.
4. (2023-to date) Acting Director. INBIRS (Institute for Biomedical Research on Retroviruses and AIDS) – University of Buenos Aires/CONICET.

2. HUMAN RESOURCE TRAINING AND PhD DIRECTOR

Total No. of PhD dissertations under my direction: 13.

1. **Analia Trevani.** BSc in Biology. Director of her PhD (1993/4), Training/Specialization (1995/6) and Postdoc (1997) (CONICET). Director, doctoral thesis. Score: Outstanding. Director or her Assistant Researcher position, CONICET. Current position: Independent Researcher, CONICET, and Deputy Director of IMEX (Experimental Medicine Institute), National Academy of Medicine, Argentina.
2. **Graciela Andonegui.** Biochemist. Director of her PhD (1994/5) and Training/Specialization (1996/7) (CONICET). Director, doctoral thesis. Score: Outstanding. Director of her postdoc fellowship (1998/9). Director of her Assistant Researcher position, CONICET (2000). Current position: Associate Researcher, Physiology and Biophysics Dept, Sch of Medicine, University of Calgary, Alberta, Canada.
3. **Silvina Raiden.** Medical Doctor. Director of her postdoc fellowship, CONICET (1999/2000). Director of her Associate Researcher position, CONICET. Current position: Independent Researcher, CONICET (Clinical Research career). Head of Dept. “Pedro de Elizalde” Childrens’ Hospital, Buenos Aires.
4. **Daniel López.** Biochemist. Director of his PhD thesis. Score: outstanding (2000).
5. **Jorge Schettini.** BSc in Genetics. Director of his fellowship (1998/9) and Training/Specialization (2000/02) (CONICET). Director of his PhD thesis. Score: outstanding (2003).
6. **Nahmod Karen.** Medical Doctor. Director of her fellowship “Carrillo-Oñativia” (2001/2002). Director of her PhD thesis. Score: Outstanding (2008). Director of her postdoc fellowship, CONICET (2008-2010).
7. **Gabriela Salamone.** BSc in Biology. Director of her post-graduate fellowship (1999-2002, CONICET). Director of her PhD thesis. Score: Outstanding. Director of her postdoc fellowship (2003-2005, CONICET). Director of her Assistant Researcher position (2006-2010, CONICET). Current position: Associate Researcher, CONICET. Experimental Medicine Institute, National Academy of Medicine, Argentina.
8. **Ana Ceballos.** Director of her Assistant Researcher position (2005-2009, CONICET). Current position: Independent Researcher, CONICET. INBIRS

(Institute for Biomedical Research on Retroviruses and AIDS). Sch of Medicine, University of Buenos Aires.

9. **Diego Martínez.** Biochemist. Director of his doctoral fellowship, (2004-2007, UBA). Director of his PhD thesis. Score: Outstanding (2008).
10. **Juan Sabatté.** Medical Doctor. Director of his doctoral fellowship, (2005-2009, CONICET). Director of his PhD thesis. Score: Outstanding. Current position: Adjunct Researcher, CONICET. INBIRS (Institute for Biomedical Research on Retroviruses and AIDS). Sch of Medicine, University of Buenos Aires.
11. **Julian Maggini.** Medical Doctor. Director of his doctoral fellowship (YPF, 2008-2010). Director of his PhD thesis (March 2013). Score: Outstanding. Sch of Medicine, UBA. Current position: Director of the Technology Transfer Dept, Austral University, Buenos Aires, Argentina.
12. **Christian Rodriguez Rodriguez.** Director of his PhD fellowship (2009-2012, CONICET). Director of his PhD thesis. Score: Outstanding (Dec 2012), Sch of Medicine, UBA. Current position: Assistant Researcher (CONICET), University of Mar del Plata, Argentina.
13. **Carolina Jancic.** Director of her Assistant Reseacher position (CONICET, 2009-2012), promoted to Adjunt Researcher in 2013, Experimental Medicine Institute, National Academy of Medicine, Argentina.
14. **Antonella Merlotti Ippólito.** Director of her PhD fellowship (2012-2016, CONICET). PhD thesis under the direction of Juan Sabatte MD. Current position: post-doct fellow, INSERM. Paris. France.
15. **Ezequiel Dantas.** Director of his PhD fellowship (2013-2018, CONICET). Director of his PhD thesis. Score: Outstanding (March 2018). Director of his postdoc fellowship, CONICET. Current position: Assistant Researcher, Weill Cornell University. NY, USA.
16. **Fernando Erra Díaz.** Director of his PhD fellowship (2015-2019, CONICET). Director of his PhD thesis. Score: Outstanding (Nov. 2019). Director of his postdoc fellowship. INBIRS (Institute for Biomedical Research on Retroviruses and AIDS). Sch of Medicine, University of Buenos Aires.
17. **Ignacio Mazzitelli.** Director of his PhD fellowship (2019-2023). INBIRS (Institute for Biomedical Research on Retroviruses and AIDS). Sch of Medicine, University of Buenos Aires.
18. **Claudia Melucci.** Director of his PhD fellowship (2020-2023). INBIRS (Institute for Biomedical Research on Retroviruses and AIDS). Sch of Medicine, University of Buenos Aires. Director of her PhD thesis. Score: Outstanding (2023).

3. PARTICIPATION IN SCIENTIFIC SOCIETIES

1. Vice President. Argentina Association of Immunology (SAI), 2003-2004.
2. President. Argentine Society of Immunology (SAI), 2005-2006.
3. Member. National Academy of Pharmacy and Biochemistry. 2022-to date.

4. Member. Latin American Academy of Sciences, 2022.

4. INTERNATIONAL JOURNALS AD-HOC PEER REVIEWER

1. FASEB Journal (USA).
2. Journal of Immunology (USA).
3. Journal of Leukocyte Biology (USA).
4. Journal of Pharmacology and Experimental Therapeutics (USA).
5. Pediatric Research (USA).
6. Plos One (USA).
7. Cell Death and Differentiation (USA).
8. Frontiers in Immunology (USA).
9. PNAS (USA).

5. GRANTS OBTAINED AS PRINCIPAL INVESTIGATOR

-“**Antorchas**” **Foundation**: Years: 1993, 1994, 1995, 2002 and 2003.

-“**Roemmers**” **Foundation**: Years: 1993, 1994, and 1998.

-**University of Buenos Aires**. Young Investigators Grant. 1996.

-“**Carrillo-Oñativia**” **Scholarship**: Years: 2000 and 2001.

-**Agencia/Foncyt and UBA**: Biannual grant, PICT 1997-1999. Triannual grant, PICT 2000-2003. Triannual grant, PICT 2004-2007. Triannual grant PICT 2006-2008. Triannual grant: PICT 2008-2010. Triannual grant, PICT 2011-2014. Triannual grant, PICT 2014-2017. Triannual grant, UBA: 2014-2017. Triannual grant, PID (clinical projects) 2016-2018. Triannual grant, UBA: 2017-2020. Triannual grant, PICT 2018-2021. Triannual grant, PICT: 2019-2022. Triannual grant, PICT: 2023-2026.

6. PARTICIPATION IN NATIONAL AND INTERNATIONAL CONFERENCES:

Total number: 185

7. SCIENTIFIC PAPERS (over the past 5 years: 45). Total number of publications: 161

1. The future of vaccination in Latin America: learning from the COVID-19 pandemic. Erra Díaz F, Arruvito L, Geffner J. **Curr Opin Immunol. 2023, en prensa.**
2. Purinergic signaling pathway in severe COVID-19. Arruvito L, Sananez I, Seery V, Russo C, Geffner J. **Curr Opin Pharmacol. 2023 Mar 23;70:102379. doi: 10.1016/j.coph.2023.102379.**
3. Concomitant inhibition of PPAR γ and mTORC1 induces the differentiation of human monocytes into highly immunogenic dendritic cells. Erra Diaz F, Mazzitelli I, Bleichmar L, Melucci C, Thibodeau A, Dalotto Moreno T, Marches R, Rabinovich GA, Ucar D, Geffner J. **Cell Rep. 2023 Mar 28;42(3):112156. doi: 10.1016/j.celrep.2023.112156.**
4. Persistent symptoms after COVID-19 in children and adolescents from Argentina. Seery V, Raiden S, Penedo JMG, Borda M, Herrera L, Uranga M, Marcó Del Pont M, Chirino C, Erramuspe C, Alvarez LS, Lenoir M, Morales LD, Davenport C, Huespe Auchter S, Monsalvo L, Sastoque L, Gavazzi M, Russo C, Sananez

- I, Pando MLÁ, Laufer N, Muiños R, Ferrero F, Geffner J, Arruvito L. **Int J Infect Dis.** 2023 Apr;129:49-56. doi: 10.1016/j.ijid.2023.01.031.
5. Resistance to Prostaglandin E2 Promotes Monocyte Activation During Chronic HIV Infection. Di Diego Garcia F, Cabrerizo G, Paletta A, Prez PS, Varese A, Geffner J, Bello N, Fridman V, Stecher D, Ceballos A, Remes Lenicov F. **J Infect Dis.** 2023 Feb 1;227(3):423-433. doi: 10.1093/infdis/jiac480.
 6. SARS-CoV-2 spike conformation determines plasma neutralizing activity elicited by a wide panel of human vaccines. Bowen JE, Park YJ, Stewart C, Brown JT, Sharkey WK, Walls AC, Joshi A, Sprouse KR, McCallum M, Tortorici MA, Franko NM, Logue JK, Mazzitelli IG, Nguyen AW, Silva RP, Huang Y, Low JS, Jerak J, Tiles SW, Ahmed K, Shariq A, Dan JM, Zhang Z, Weiskopf D, Sette A, Snell G, Posavad CM, Iqbal NT, Geffner J, Bandera A, Gori A, Sallusto F, Maynard JA, Crotty S, Van Voorhis WC, Simmerling C, Grifantini R, Chu HY, Corti D, Velesler D. **Sci Immunol.** 2022 Dec 23;7(78):eadf1421. doi: 10.1126/sciimmunol.adf1421.
 7. Safety and effectiveness of COVID-19 SPUTNIK V vaccine in dialysis patients. Rosa-Diez G, Papaginovic Leiva MM, Lombi F, Crucelegui MS, Martínez RD, Trimarchi H, Schiavelli R, Grizzo M, Raño M, Heguilén RM, Jones RA, González Paganti L, Ferrari M, Kjhede V, Zingoni P, Geffner JR, Ferrante D, González Bernaldo De Quirós F, Pagotto V. **Medicina (B Aires).** 2022;82(5):631-640.
 8. Safety and immunogenicity of heterologous COVID-19 vaccine regimens to deal with product shortage: A randomised clinical trial in an elderly population. Kundro MA, Losso MH, Macchia A, Pastor I, Alonso Serena M, Gestoso C, Moreno Macías L, Crupi F, Acosta MC, Ivalo S, Ghioldi M, Bouzas MB, Mammana L, Zapiola I, Mazzitelli I, Varese A, Geffner J, Biscayart C, Angeleri P, Lopez E, Gentile A, Ferrante D, de Quiros FGB. **Public Health Pract (Oxf).** 2022 Dec;4:100313. doi: 10.1016/j.puhip.2022.100313.
 9. Antibody response against SARS-CoV-2 variants of concern in children infected with pre-Omicron variants: An observational cohort study. Seery V, Raiden S, Russo C, Borda M, Herrera L, Uranga M, Varese A, Marcó Del Pont M, Chirino C, Erramuspe C, Álvarez LS, Lenoir M, Morales LD, Davenport C, Alarcón Flores A, Huespe Auchter S, Ruiz Y, Monsalvo L, Sastoque L, Gavazzi M, Mazzitelli I, Di Diego F, Longueira Y, Mazzitelli B, Sananez I, De Carli N, Biglione MM, Gómez Penedo JM, Ceballos A, Laufer N, Ferrero F, Geffner J, Arruvito L. **EBioMedicine.** 2022 Sep;83:104230. doi: 10.1016/j.ebiom.2022.104230.
 10. Immunogenicity and reactogenicity of heterologous immunization against SARS CoV-2 using Sputnik V, ChAdOx1-S, BBIBP-CorV, Ad5-nCoV, and mRNA-1273. Pascuale CA, Varese A, Ojeda DS, Pasinovich ME, Lopez L, Rossi AH, Rodriguez PE, Miglietta EA; Laboratorio SeVa Group; Mazzitelli I, Di Diego Garcia F, Sanchez L, Rouco SO, Gonzalez Lopez Ledesma MM, Zurano JP, Mazzitelli B, Scruzzi G, Barbero P, Cardozo D, Gallego S, Borda M, Diaz M; Ministerio de Salud de la Provincia de Córdoba Group; UNC-Fac. Cs. Médicas-InViV Group; Ridao F, Rosales AB; Ministerio de Salud de la Provincia de La Rioja Group; Bhon J, Talia JM, Diangelo ME, Lacaze MA; Ministerio de Salud de la Provincia de San Luis Group; Aime B, Gutierrez SI, Ercole R, Toro R, Tau L, Delaplace L, Compagnucci MF; Universidad Nacional de La Plata Group; Sartori C, Desimone I, Echevoyen C, Velazquez P, Testa C; Ministerio de

- Salud de la Provincia de Buenos Aires Group; Hozbor D, Docena G, Laino CH, Kreplak N, Pifano M, Barbas G, Rearte A, Vizzotti C, Castelli JM, Geffner J, Gamarnik AV. **Cell Rep Med.** 2022 Aug 16;3(8):100706. doi: 10.1016/j.xcrm.2022.100706.
11. Omicron spike function and neutralizing activity elicited by a comprehensive panel of vaccines. Bowen JE, Addetia A, Dang HV, Stewart C, Brown JT, Sharkey WK, Sprouse KR, Walls AC, Mazzitelli IG, Logue JK, Franko NM, Czudnochowski N, Powell AE, Dellota E Jr, Ahmed K, Ansari AS, Cameroni E, Gori A, Bandera A, Posavad CM, Dan JM, Zhang Z, Weiskopf D, Sette A, Crotty S, Iqbal NT, Corti D, Geffner J, Snell G, Grifantini R, Chu HY, Velesler D. **Science.** 2022 Aug 19;377(6608):890-894. doi: 10.1126/science.abq0203.
 12. Heterologous booster response after inactivated virus BBIBP-CorV vaccination in older people. Rouco SO, Rodriguez PE, Miglietta EA, Rall P, Ledesma MMGL, Varese A, Pascuale CA, Ojeda DS, Mazzitelli B, Sanchez L, Ceballos A, Perez E, Geffner J, Miragaya Y, Rossi AH, Gamarnik AV. **Lancet Infect Dis.** 2022 Aug;22(8):1118-1119. doi: 10.1016/S1473-3099(22)00427-3.
 13. Omicron breakthrough infection after heterologous prime-boost vaccination induces a vigorous antibody response. Varese A, Mazzitelli B, Erra Díaz F, Kjolhede V, Ojeda D, Vellicce A, Arto P, Cicero C, Pascowski M, Figueras M, Broese B, Dávila R, Zarlenga R, Rivelli F, Verruno C, Silenzi V, Beltrán I, Gamarnik A, Ceballos A, Zala C, Badolati A, Geffner J. **J Infect Dis.** 2022 Nov 11;226(10):1717-1720. doi: 10.1093/infdis/jiac250.
 14. High salt induces a delayed activation of human neutrophils. Mazzitelli I, Bleichmar L, Melucci C, Pereyra Gerber P, Toscanini A, Cuestas ML, Erra Diaz F, Geffner J. **Front Immunol.** 2022 Jun 3;13:831844. doi: 10.3389/fimmu.2022.831844.
 15. Extracellular ATP and Imbalance of CD4+ T Cell Compartment in Pediatric COVID-19. Russo C, Raiden S, Algieri S, De Carli N, Davenport C, Sarli M, Bruera MJ, Seery V, Sananez V, Simaz N, Bayle C, Nivelá V, Ferrero F, Geffner J, Arruvito L. **Front Cell Infect Microbiol.** 2022 May 18;12:893044. doi: 10.3389/fcimb.2022.893044.
 16. Extracellular acidosis stimulates breast cancer cell motility through aryl hydrocarbon receptor and c-src kinase activation. Miret NV, Zárate LV, Erra Díaz F, Leguizamón MA, Pontillo CA, Chiappini FA, Ceballos L, Geffner J, Randi AS. **J Cell Biochem.** 2022 May 10. doi: 10.1002/jcb.30275.
 17. Antibody durability at 1 year after Sputnik V vaccination. Sanchez L, Oviedo Rouco S, Pifano M, Ojeda DS, Pascuale C, Mazzitelli B, Di Diego Garcia F, Gonzalez Lopez Ledesma M, Rodriguez P, Miglietta EA, Ceballos A, Rossi AH, Kreplak N, Geffner J, Gamarnik A. **Lancet Infect Dis.** 2022 May;22(5):589-590. doi: 10.1016/S1473-3099(22)00176-1.
 18. Immunogenicity induced by the use of alternative vaccine platforms to deal with vaccine shortages in a low- to middle-income country: Results of two randomized clinical trials. Macchia A, Ferrante D, Bouzas MB, Angeleri P, Biscayart C, Geffner J, Mammana L, Zapiola I, López EL, Gentile A, Varese A, Mazzitelli I, Di Diego García F, Sharff D, Lucconi V, Sujansky P, Mariani J, González Bernaldo de Quirós F. **Lancet Reg Health Am.** 2022 May;9:100196. doi: 10.1016/j.lana.2022.100196.

19. Immune Maturation Effects on Viral Neutralization and Avidity of Hyperimmunized Equine Anti-SARS-CoV-2 Sera. González Viacava MB, Varese A, Mazzitelli I, Lanari L, Ávila L, García Vampa MJ, Geffner J, Cascone O, Dokmetjian JC, de Roodt AD, Fingerhann M. **Antibodies (Basel)**. 2022 Jan 2;11(1):3. doi: 10.3390/antib11010003.
20. Platelets modulate CD4 + T-cell function in COVID-19 through a PD-L1 dependent mechanism. Paletta A, Di Diego García F, Varese A, Erra Díaz F, García J, Cisneros JC, Ludueña G, Mazzitelli I, Pisarevsky A, Cabrerizo G, López Malizia A, Rodríguez AG, Lista N, Longueira Y, Sabatté J, Geffner J, Remes Lenicov F, Ceballos A. **B J Haematol**. 2022 May;197(3):283-292. doi: 10.1111/bjh.18062.
21. Longitudinal Study after Sputnik V Vaccination Shows Durable SARS-CoV-2 Neutralizing Antibodies and Reduced Viral Variant Escape to Neutralization over Time. Gonzalez Lopez Ledesma M, Sanchez L, Ojeda D, Rouco SO, Rossi A, Varese A, Mazzitelli I, Pascuale C, Miglietta E, Rodríguez P, Pallarés H, Costa Navarro G, Caramelo J, Rothlauf P, Liu Z, Bloyet L, Cornejo Pontelli M, Rasetto N, Wenker S, Ramis L, Bialer M, de Leone MJ, Hernando E, Bianchimano L, Ríos A, Treffinger MS, Longueira Y, Laufer N, Alvarez D, Ceballos A, Ochoa V, Monzani C, Turk G, Salvatori M, Carradori J, Rima A, Varela C, Ercole R, Toro R, Gutierrez S, Zubieta M, Acuña D, Nabaes J, Torres C, Mojsiejczuk L, Viegas M, Velazquez P, Testa C, Kreplak N, Yanovsky M, Whelan S, Geffner J, Pifano M, Gamarnik A. **mBio**. 2022 Jan 25;13(1):e0344221. doi: 10.1128/mbio.03442-21.
22. Broadly neutralizing antibodies overcome SARS-CoV-2 Omicron antigenic shift. Cameroni E, Bowen JE, Rosen L, Saliba C, Zepeda SK, Culap K, Pinto D, VanBlargan LA, De Marco A, di Iulio J, Zatta F, Kaiser H, Noack J, Farhat N, Czudnochowski N, Havenar-Daughton C, Sprouse KR, Dillen JR, Powell AE, Chen A, Maher C, Yin L, Sun D, Soriaga L, Bassi J, Silacci-Fregni C, Gustafsson C, Franko N, Logue J, Iqbal N, Mazzitelli I, Geffner J, Grifantini R, Chu H, Gori A, Riva A, Giannini O, Ceschi A, Ferrari P, Cippà P, Franzetti-Pellanda A, Garzoni A, Halfmann PJ, Kawaoka Y, Hebner C, Purcell L, Piccoli L, Pizzuto M, Walls AC, Diamond M, Telenti M, Virgin HW, Lanzavecchia A, Snell G, Velesler D, Corti D. **Nature**. 2022 Feb;602(7898):664-670. doi: 10.1038/s41586-021-04386-2.
23. Antibody responses induced by Sputnik V vaccine in individuals previously infected with SARS-CoV-2. Raiden S, Geffner J. **Lancet Reg Health Am**. 2022 Feb;6(3):100172. doi: 10.1016/j.lana.2021.100172.
24. Clinical evolution and levels of anti-S SARS-CoV-2 IgG in rheumatic disease and COVID-19. Medina G, Pino M, Geffner J, Perrotta N, Barrios CV. **Medicina (B Aires)**. 2021;81(6):902-907.
25. Infants Younger Than 6 Months Infected With SARS-CoV-2 Show the Highest Respiratory Viral Loads. Ochoa V, Erra Díaz F, Ramirez E, Fentini MC, Carobene M, Geffner J, Arruvito L, Remes Lenicov F. **J Infect Dis** . 2022 Feb 1;225(3):392-395. doi: 10.1093/infdis/jiab577.
26. Sputnik V vaccine elicits seroconversion and neutralizing capacity to SARS-CoV-2 after a single dose. Rossi AH, Ojeda DS, Varese A, Sanchez L, Gonzalez Lopez Ledesma MM, Mazzitelli I, Alvarez Juliá A, Oviedo Rouco S,

- Pallarés HM, Costa Navarro GS, Rasetto NB, Garcia CI, Wenker SD, Ramis LY, Bialer MG, de Leone MJ, Hernando CE, Sosa S, Bianchimano L, Rios AS, Treffinger Cienfuegos MS, Caramelo JJ, Longueira Y, Laufer N, Alvarez DE, Carradori J, Pedrozza D, Rima A, Echegoyen C, Ercole R, Gelpi P, Marchetti S, Zubieta M, Docena G, Kreplak N, Yanovsky M, Geffner J, Pifano M, Gamarnik AV. **Cell Rep Med.** 2021 Aug 17;2(8):100359. doi: 10.1016/j.xcrm.2021.100359.
27. A poor and delayed anti-SARS-CoV2 IgG response is associated to severe COVID-19 in children. Sananeza I, Raiden S, Algieric S, Urangad S, Grisolíab N, Filippoe D, Carlif N, Di Lallag S, Cairoli H, Chioloh M, Merregallii C, Cohenj E, Mosqueraj G, Pontd M, Gimeneze L, Gregorioc G, Sarlik M, Alcaldec A, Davenport C, Bruerak M, Simazc N, Pérezc M, Nivelal V, Baylel C, Alvarezm L, Revetriam L, Tuccillon P, Agostan M, Pérez H on behalf of the COVID-19 Naval Pediatric Workgroupn*, Novañ S, Suárez P, Takatañ E, García M in behalf of the COVID-19 Fernández Pediatric Residency Workgroup*, Lattnero J, Rolón M, Coll M, Salvatoria M, Picardo C, Russo C, Varese A, Seerya V, Holgado M, Poloa M, Ceballos A, Nuñez M, Gómez Penedor J, Ferrero F, Geffner J, Arruvito L. **EBioMedicine.** 2021 Oct;72:103615. doi: 10.1016/j.ebiom.2021.103615.
28. Blood neutrophils from children with COVID-19 exhibit both inflammatory and anti-inflammatory markers. Seery V, Raiden SC, Algieri SC, Grisolia NA, Filippo D, De Carli N, Di Lalla S, Cairoli H, Chiolo MJ, Merregalli CN, Gimenez LI, Gregorio G, Sarli M, Alcalde AL, Davenport C, Bruera MJ, Simaz N, Pérez MF, Nivelal V, Bayle C, Tuccillo P, Agosta MT, Pérez H, Villa Nova S, Suárez P, Takata EM, García M, Lattner J, Rolón MJ, Coll P, Sananez I, Holgado MP, Ferrero F, Geffner J, Arruvito L; 1 in behalf of the COVID-19 Naval Pediatric Workgroup and in behalf of the COVID-19, Fernández Pediatric Residency Workgroup. **EBioMedicine.** 2021 May;67:103357. doi: 10.1016/j.ebiom.2021.103357.
29. IgG immune complexes may contribute to neutrophil activation in the course of severe COVID-19. Mazzitelli I, Bleichmar L, Ludueña MG, Pisarevsky A, Labato M, Chiaradia V, Finocchietto P, Paulin F, Hormanstorfer M, Baretto MC, Adanza SP, Parodi MN, Ragusa M, Melucci C, Díaz FE, Paletta A, Di Diego F, Ceballos A, Geffner J. **J Infect Dis.** 2021 Aug 16;224(4):575-585. doi: 10.1093/infdis/jiab174.
30. Facing up to the COVID-19 pandemic in Argentina. Rabinovich GA, Geffner J. **Nat Immunol.** doi: 10.1038/s41590-021-00873-w.
31. Early High-Titer Plasma Therapy to Prevent Severe Covid-19 in Older Adults. Libster R, Pérez Marc G, Wappner D, Coviello S, Bianchi A, Braem V, Esteban I, Caballero MT, Wood C, Berrueta M, Rondan A, Lescano G, Cruz P, Ritou Y, Fernández Viña V, Álvarez Paggi D, Esperante S, Ferreti A, Ofman G, Ciganda Á, Rodríguez R, Lantos J, Valentini R, Itcovici N, Hintze A, Oyarvide ML, Etchegaray C, Neira A, Name I, Alfonso J, López Castelo R, Caruso G, Rapelius S, Alvez F, Etchenique F, Dimase F, Alvarez D, Aranda SS, Sánchez Yanotti C, De Luca J, Jares Baglivo S, Laudanno S, Nowogrodzki F, Larrea R, Silveyra M, Leberzstein G, Debonis A, Molinos J, González M, Perez E, Kreplak N, Pastor Argüello S, Gibbons L, Althabe F, Bergel E, Polack FP; Fundación INFANT-COVID-19 Group. Florencia A Izetta, María Teresa Panighetti, Paula Fernández Estrella, María E Gutiérrez Meyer, Viviana Dominguez, Marcela Balduzzi, Romina Militerno, Jimena Ochoa, Sebastián Pérez Marc, Lucila Di

- Nunzio, Mariano Aizpurúa, Romina Zadoff, Carla Marchionatti, Natalia García Escude, Romina Romero, Noelia Iraizos, Emmanuel Valls, Patricia Rearte Carvalho, Jimena Franco, Natali Estrada, Juan Rusconi, Guido A Ochoa, María Verónica Paz, Patricia Lesch, Fernanda Caracciolo, María Eugenia Macaneo, Lia Fogos, Silvana Marquez, Gastón Pellegrino, Jorge Geffner, Rocío B Zarlenga, Camila H Witteveen, Agustina Venditti, Indira Pichetto Olanda, Juan M Vargas, Micaela A Piani, Daniela C Galnares, Florencia de la Fuente Balcarcel, Andrea Gamarnik, Maria Del Carmen Nigro, Susana Villaroel, Cristina Soler Riera, Leonel Langelotti, Clarisa Taffarel, Jose L Scapellato, Mariano Girassolli, Maximiliano de Zan, Juan Sebastian Riera, Enio Garcia, Mario Rovere, Juan Canela, Agostina Pagella, Cecilia Pampuro, Alfonso Raggio, Silvina Kuperman, Yanina Mirayaga). **New Engl J Med.** 2021. doi: **10.1056/NEJMoa2033700**. PMID: **33406353**; PMCID: **PMC7793608**.
32. Fcγ Receptor IIa (*FCGR2A*) Polymorphism Is Associated with Severe Respiratory Syncytial Virus Disease in Argentinian Infants.
Holgado MP, Raiden S, Sananez I, Seery V, De Lillo L, Maldonado LL, Kamenetzky L, Geffner J, Arruvito L.
Front Cell Infect Microbiol. 2020 Dec 18;10:607348. doi: **10.3389/fcimb.2020.607348**.
33. Use of convalescent plasma for COVID-19 treatment. History and evidence.
McAllister F, Mantegazza A, Garzón F, Rotbaum V, Remondino G, Vazquez Larsson M, Geffner J, Rabinovich GA, Bover L. **Medicina (B Aires).** 2020;80 Suppl 3:82-86.
34. Upregulation of CD32 in T Cells from Infants with Severe Respiratory Syncytial Virus Disease: A New Costimulatory Pathway?
Sananez I, Raiden S, Holgado MP, Seery V, De Lillo L, Davenport C, Ferrero F, Peoples ME, Geffner J, Arruvito L.
Am J Respir Cell Mol Biol. 2020 Jul;63(1):133-136. doi: **10.1165/rcmb.2020-0025LE**.
35. Extracellular acidosis and mTOR inhibition drive the differentiation of human monocyte-derived dendritic cells.
Erra Díaz F, Ochoa V, Merlotti A, Mazzitelli I, Gonzalez Polo V, Sabatté J, Amigorena S, Segura E, Geffner J.
Cell Reports 5;31(5), 2020. doi: **10.1016/j.celrep.2020.107613**.
36. Short-Term Fever-Range Hyperthermia Accelerates NETosis and Reduces Pro-inflammatory Cytokine Secretion by Human Neutrophils.
Keitelman IA, Sabbione F, Shiromizu CM, Giai C, Fuentes F, Rosso D, Ledo C, Miglio Rodriguez M, Guzman M, Geffner JR, Galletti J, Jancic C, Gómez MI, Trevani AS. **Front Immunol.** 2019 Oct 18;10:2374. doi: **10.3389/fimmu.2019.02374**.
37. Aberrant Fucosylation Enables Breast Cancer Clusterin to Interact With Dendritic Cell-Specific ICAM-grabbing Non-Integrin (DC-SIGN).
Merlotti A, Malizia AL, Michea P, Bonte PE, Goudot C, Carregal MS, Nuñez N, Sedlik C, Ceballos A, Soumelis V, Amigorena S, Geffner J, Piaggio E, Sabatte J. **Oncoimmunology.** 2019 Jun 24;8(9):e1629257. doi: **10.1080/2162402X.2019.1629257**. eCollection 2019.
38. Tribute to Martín Isturiz. Geffner J. **Medicina (B Aires).** 2019;79(3):237-238.

39. Acetylcholine-treated dendritic cells promote inflammatory lung injury. Gori S, Alcain J, Vanzulli S, Moreno Ayala MA, Candolfi M, Jancic C, Geffner J, Vermeulen M, Salamone G. **PLoS One.** 2019 Mar 1;14(3):e0212911. doi: 10.1371/journal.pone.0212911.
40. Histidine-rich glycoprotein inhibits HIV-1 infection in a pH-dependent manner. Dantas E, Erra Díaz F, Pereyra Gerber P, Varese A, Jerusalinsky DA, Epstein AL, García Rivello HJ, Del Valle Jaén A, Pandolfi JB, Ceballos A, Ostrowski M, Sabatté J, Geffner J. **J Virol.** 2019 Feb 5;93(4):e01749-18. doi: 10.1128/JVI.01749-18.
41. Unravelling the interplay between extracellular acidosis and immune cells. Erra Díaz F, Dantas E, Geffner J. **Mediators Inflamm.** 2018 Dec 30;2018:1218297. doi: 10.1155/2018/1218297.
42. CD32 ligation promotes the activation of CD4+ T cells. Holgado MP, Sananez I, Raiden S, Geffner J, Arruvito L. **Front Immunol.** 2018 Nov 30;9:2814. doi: 10.3389/fimmu.2018.02814.
43. Induction of HIF-1 α by HIV-1 Infection in CD4+ T Cells Promotes Viral Replication and Drives Extracellular Vesicle-Mediated Inflammation. Duette G, Pereyra Gerber P, Rubione J, Perez PS, Landay AL, Crowe SM, Liao Z, Witwer KW, Holgado MP, Salido J, Geffner J, Sued O, Palmer CS, Ostrowski M. **mBio.** 2018 Sep 11;9(5):e00757-18. doi: 10.1128/mBio.00757-18.
44. Prostaglandin E2 Antagonizes TGF- β Actions During the Differentiation of Monocytes Into Dendritic Cells. Remes Lenicov F, Paletta AL, Gonzalez Prinz M, Varese A, Pavillet CE, Lopez Malizia Á, Sabatté J, Geffner JR, Ceballos A. **Front Immunol.** 2018 Jun 22;9:1441. doi: 10.3389/fimmu.2018.01441.
45. Dampening of IL-2 function in infants with severe respiratory syncytial virus disease. Sananez I, Raiden S, Erra Diaz F, de Lillo L, Holgado, MP, Geffner J, Arruvito L. **J Infect Dis.** 2018 Jun 5;218(1):75-83. doi: 10.1093/infdis/jiy180.

8. CHAPTERS IN BOOKS

1. Antibody-dependent cell-mediated cytotoxicity (ADCC). J. Geffner. **Encyclopedia of Immunology**, first and second edition (1993 and 1999), ed. I. M. Roitt and P. J. Delves, Academic Press, USA.
2. Anticuerpos. Un análisis estructural y funcional. J. Geffner. **Medicina**. Edited by Fundación Favaloro, Bs.As., 2000.
3. Antibody-dependent cell-mediated cytotoxicity (ADCC). J. Geffner. **Encyclopedic Reference of Immunotoxicology**. Springer. Heidelberg. Germany. 2005.
4. Modulación de la actividad del neutrófilo en el foco inflamatorio: mecanismos moleculares involucrados.

Trevani, A., Giordano, M., Salamone, G., Vermeulen, M., Gamberale, R. y Geffner, J.

Inmunopatología molecular. Nuevas fronteras de la Medicina.

Editorial Panamericana. Bs.As. 2004.

5. Inmunidad innata: neutrófilos, macrófagos y células NK.

Trevani, A., Zwirner, N. y Geffner, J.

Introducción a la Inmunología Humana.

Editorial Panamericana. Bs. As. 2005.

6. Inmunidad innata: barreras naturales, mecanismos de reconocimiento y sistema del complemento.

Trevani, A. y Geffner, J.

Introducción a la Inmunología Humana.

Editorial Panamericana. Bs. As. 2005.

7. Una visión global de la respuesta inmune.

Geffner, J.

Introducción a la Inmunología Humana.

Editorial Panamericana. Bs. As. 2005.

8. La respuesta inmunitaria: conceptos introductorios.

Geffner, J.

Introducción a la Inmunología Humana.

Editorial Panamericana. Bs. As. 2011.

9. Inmunidad innata.

Trevani, A. y Geffner, J.

Introducción a la Inmunología Humana.

Editorial Panamericana. Bs. As. 2011.

10. Células presentadoras de antígeno. Procesamiento antigénico.

Chuluyán, E., Jancic, C., Rodríguez, C. y Geffner, J.

Introducción a la Inmunología Humana.

Editorial Panamericana. Bs. As. 2011.

9. BOOKS

Introducción a la Inmunología humana. V y VI Edición. Eds: Faimboin, L and Geffner J.

Editorial Panamericana. Years 2005 and 2011.