

Dr. Alexis H. García:

ALEXIS H. GARCÍA PIÑERO



Citizenship: Spain and Venezuela

Date of birth: April 27th 1960

Languages: English -Spanish.

Email: alexisgarcia27@gmail.com

Current position:

- 1. Director of the Council for Scientific and Humanistic Development of the Central University of Venezuela. Academic Vice-Chancellor's Unit.**
- 2. Adjunct Professor - Inter-institutional Coordinator. Institute of Immunology. Faculty of Medicine. Universidad Central de Venezuela.**

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Razetti School of Medicine. Faculty of Medicine. Universidad Central de Venezuela	MD	1985	Medicine (MD)
Children Hospital (Hospital J.M. De Los Ríos). Graduate Course in Paediatrics. Faculty of Medicine. Universidad Central de Venezuela.	Medical Specialty	1987-1989	Paediatrician.
Graduate Course in Clinical Immunology. Faculty of Medicine. Universidad Central de Venezuela.	MSc	1996-1998	Clinical Immunologist

ACADEMY

2023 - present Director of the Council for Scientific and Humanistic Development of the Central University of Venezuela.
Academic Vice-Chancellor's Unit.

2012 - present Adjunct Professor. Inter-institutional Coordinator. Institute of Immunology. Faculty of Medicine. Universidad
Central de Venezuela.

CLINICAL PRACTICE

2012 - present Clinical Immunology (Allergy, Immunodeficiency and Autoimmunity Diseases). Immunology Institute.
Universidad Central de Venezuela.

PHARMACEUTICAL INDUSTRY

2012- 2014 Medical director GlaxoSmithKline Venezuela C.A.

1999 -2012 Medical advisor GlaxoSmithKline Venezuela C.A.

CLINICAL TRIAL EXPERIENCE:

- Salmeterol/Fluticasone in Children Phase IV
- Epidemiology Study of Deep Vein Thrombosis and Atrial Fibrillation in Venezuela
- Prospective epidemiological study: Study of capsulated and non-capsulated *Haemophilus influenzae* in children with acute otitis media in Venezuela.
- Lapatinib Observational Study (Metastatic Breast Cancer).
- Principal Investigator. Clinical Trial Face2b - Sputnik-V Vaccine- Venezuela (Clinical Protocol CINCT04642339) December 2020-July 2021

Honors, Awards and Other Professional Activities:

1. Thesis for Master Degree
2. GSK Footprints Award 2002
3. Basic Medical Research Award. Dr. "José María Vargas". 2017. Faculty of Medicine- Universidad Central de Venezuela.
4. Applied Scientific Research Award. Dr. "Luis Razetti". 2018. Faculty of Medicine- Universidad Central de Venezuela.
5. Honor to the Merit. Ministry of Science and Technology. August 2022.
6. Basic Medical Research Award. Dr. "José María Vargas". 2013. Faculty of Medicine- Universidad Central de Venezuela.
7. Order of Merit in Research "Dr. Hernan Mendez Castellan, Venezuelan Society of Childcare and Paediatrics. January 2024.

PROFESSIONAL AFFILIATIONS

- **Titular Member of the Venezuelan Society of Childcare and Paediatrics.**
- Titular Member of the Venezuelan Society of Allergy, Asthma and Immunology.
- Associate Member of the Venezuelan Infectious Diseases Society.
- Member of the Immunization Committee of the Venezuelan Society of Childcare and Paediatrics.

VOLUNTEERISM

- Doctors Without Borders from June 2019 to September 2019
- Doctors Without Borders from August 2020 to May 2021

A. PUBLICATIONS

1. Franco, C.; Cornejo, A.; Rodríguez, M.; **García, A.**; Belisario, I.; Mayora, S.; Garzaro, D.J.; Jaspe, R.C.; Hidalgo, M.; Parra, N.; et al. Sputnik V-Induced Antibodies against SARS-CoV-2 Variants during the Dissemination of the Gamma Variant in Venezuela. *Viruses* 2024, 16, 1480. <https://doi.org/10.3390/v16091480>
2. **García, A.H.**; Crespo, F.I.; Mayora, S.J.; Martínez, W.Y.; Belisario, I.; Medina, C.; De Sanctis, J.B. Role of Micronutrients in the Response to SARS-CoV-2 Infection in Pediatric Patients. *Immuno* 2024, 4, 211-225. <https://doi.org/10.3390/immuno4030014>
3. Cornejo A, Franco C, Rodríguez - Nuñez M, **García A**, Belisario I, Mayora S, Garzaro DJ, Zambrano JL, Jaspe RC, Hidalgo M, Parra-Giménez N, Claro FE, Liprandi F, de Waard JH, Rangel HR, Pujol FH. Humoral Immunity across the SARS-CoV-2 Spike after Sputnik V (Gam-COVID-Vac) Vaccination. *Antibodies (Basel)*. 2024 May 11;13(2):41. doi: 10.3390/antib13020041
4. Medina, C.; **García, A.H.**; Crespo, F.I.; Toro, F.I.; Mayora, S.J.; De Sanctis, J.B. A Synopsis of Hepatitis C Virus Treatments and Future Perspectives. *Curr. Issues Mol. Biol.* 2023, 45, 8255-8276. <https://doi.org/10.3390/cimb45100521>
5. Soriuska Mayora Hernández, Wendy Martínez Vázquez, Francis Crespo Serrano, Inirida Belisario Gómez, Christian Medina García, Juan Bautista De Sanctis, **Alexis García Piñero**. Estudio Piloto del Efecto del Tipo y Conservación de la Muestra y Método en la Medicación de la Concentración de las Fracciones C3 y C4 del Complemento. *Acta Científica de la Sociedad Venezolana de Bioanalistas Especialistas*. 2023; Vol 26(2): 45-50.

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6. Soriuska Mayora HERNÁNDEZ, Francis Crespo Serrano, Wendy Martínez VASQUEZ, SAMANTHA Gutiérrez BASSI, Miller Meléndez RODRÍGUEZ, Inirida Belisario GÓMEZ, Christian Medina García, Juan Bautista De SANCTIS, **Alexis García Piñero**. Determinantes de reacción cruzada de del (CCD) en panel de IgE específica para alimentos en población mestiza venezolana. *Ciencia en Revolución*, Vol. 9, N° 25, (enero-junio, 2023). DOI: <https://www.doi.org/10.5281/zenodo.8335619>
7. Crespo, F.I.; Mayora, S.J.; De Sanctis, J.B.; Martínez, W.Y.; Zabaleta-Lanz, M.E.; Toro, F.I.; Deibis, L.H.; **García, A.H.** SARS-CoV-2 Infection in Venezuelan Paediatric Patients—A Single Center Prospective Observational Study. *Biomedicines* 2023, 11, 1409. <https://doi.org/10.3390/biomedicines11051409>
8. Jenny Valentina Garmendia, **Alexis Hipólito García**, Claudia Valentina De Sanctis Marián Hajdúch and Juan Bautista De Sanctis. Autoimmunity and Immunodeficiency in Severe SARS-CoV-2 Infection and Prolonged COVID-19. *Curr. Issues Mol. Biol.* 2023, 45, 33-50. <https://doi.org/10.3390/cimb45010003>.
9. Jenny V Garmendia; **Alexis García**, Claudia De Sanctis, Marián Hajdúch, Juan B De Sanctis. Inmunodeficiencia y autoinmunidad en pacientes con la cCOVID-19. Dos caras de una misma moneda. *Gac Méd Caracas* 2022;130(4):817-830. DOI: 10.47307/GMC.2022.130.4.16
10. Christian Medina, Félix Toro, Idamelis Rodríguez, Juan Bautista De Sanctis, **Alexis García**. Identificación de los polimorfismos rs12979860 y rs8099917 de IL28B en el diagnóstico, control y determinación de tratamiento en pacientes venezolanos infectados con el virus de hepatitis C. *Gac Méd Caracas* 2022;130(3):524-531. DOI: 10.47307/GMC.2022.130.3.10.
11. Soriuska Mayora, Wendy Martínez, Mery Guerrero, Inirida Belisario, Juan Bautista De Sanctis, **Alexis García**. Estudio piloto: análisis y detección de anticuerpos IgM e IgG específicos contra el dominio de unión al receptor de la proteína de la espiga del SARS-CoV-2. *Gac Méd Caracas* 2022;130(1):85-94. DOI: 10.47307/GMC.2022.130.1.10
12. José Esparza, **Alexis García**, Manuel Figuera, Flor H Pujol. Nuevos retos en el desarrollo y uso de vacunas contra la COVID-19. *Salus*.2021; 25(3):8-14. <https://doi.org/10.54139/salus.v25i3.126>
13. **García- Piñero, Alexis**. SARS-Cov-2 vaccine research and development in times of pandemic. *Acta Científica Estudiantil*. Vol. 13 Núm. 4 (2021). http://saber.ucv.ve/ojs/index.php/rev_ACE/article/view/20938
14. Juan Bautista De Sanctis, **Alexis García**, Dolores Moreno. Importance of the immune adaptative cell response in Sars-Cov-2 infection. *Revista de la Facultad de Farmacia - Vol. 84 - Nos 1 y 2 – 2021*. DOI:10.54305/RFFUCV.2021.84.1-2.3
15. Juan Bautista De Sanctis, **Alexis Hipólito García**, Dolores Moreno, Marián Hajdúch. Coronavirus infection: An Immunologists' Perspective. *Scand J Immunol.* 2021;00: e13043. <https://doi.org/10.1111/sji.13043>
16. Juan Bautista De Sanctis, Dolores Moreno, **Alexis García**, Gricelis Martínez, Michael Mijares. Potencial Therapeutic Options for SARS-CoV 1 and 2 Infections. *Acta Científica de la Sociedad Venezolana de Bioanalistas Especialistas*. 2020; Vol 23(2): 206-214.
17. Soriuska José Mayora, Mercedes Zabaleta Lanz, Wendy Martínez, Félix Toro, Juan Bautista De Sanctis, **Alexis García**. Peripheral Blood Lymphocyte Subpopulations of Venezuelan Patients Infected with SARS-CoV-2. *Gac Méd Caracas* 2020;128(Supl 1): S68-S73. DOI: 10.47307/GMC.2020. 128.s1.7
18. Juan Bautista De Sanctis, **Alexis García**, Jenny Garmendia, Dolores Moreno, Marian, Hajdúch and Danuta Radzioch. Importance of miRNA in SARS-CoV-2 infection. *Gac Méd Caracas* 2020;128(Supl 1): S17-S22. DOI: 10.47307/GMC.2020. 128.s1.3
19. Torres Joselit, **García Alexis**. VENEZUELAN CONSENSUS ON SYSTEMIC MANIFESTATIONS OF THE COVID-19. An Approach to Immunopathology of SARS-Cov-2. *Archivos Venezolanos de Puericultura*. Vol 82 Sup 2: 51-54. May 2020.
20. Diego Lema, **Alexis Hipólito García**, Dolores Del Carmen Moreno, Carmen Cristina García and Juan Bautista De Sanctis. 5-HTT intron 2 and MUC7 variable number of tandem repeats polymorphisms in a Venezuelan population with Asthma or COPD. *Invest Clin* 58 (2): 140-153, 2017.
21. **García A**, Lema D. An Updated Review of ISCOMSTM and ISCOMATRIXTM Vaccines. *Curr Pharm Des.* 2016, 22, 6294-6299
22. **García A**, De Sanctis JB. A Review of Clinical Trials of Belimumab in The Management of Systemic Lupus Erythematosus. *Curr Pharm Des.* 2016, 22, 6306-6312.
23. Martinez D, Lema D, Dolores M, **García A**, Garmendia J, De Sanctis J. Single Nucleotide Polymorphisms V4 and T4 of the ADAM33 gene in Venezuela patients with Asthma and COPD. *Invest Clin.* Vol 57, N° 2. June 2016.
24. **García A**, Diego L, Judith B. New Approaches to Chikungunya Virus Vaccine Development. *Recent Pat Inflamm Allergy Drug Discov.* 2015; 9(1):31-7.
25. Moreno D, Barroso J, García A. Vaccines for patients with COPD. *Recent Pat Inflamm Allergy Drug Discov.* 2015;9 (1):23-30.
26. **García A**, Fernández S, Toro F, De Sanctis JB. An overview of hepatitis C vaccines. *Recent Pat Inflamm Allergy Drug Discov.* 2014; 8(2):85-91.
27. Lema D, **García A**, De Sanctis JB. HIV Vaccines: A Brief. *Scand J Immunol.* 2014 May 11. doi: 10.1111/sji.12184.
28. Moreno D, **García A**, Lema D, De Sanctis JB. Surfactant Protein D in Chronic Obstructive Pulmonary Disease COPD. *Recent Pat Endocr Metab Immune Drug Discov.* 2014 Feb 9.
29. Garmendia JV, Moreno D, **García AH**, De Sanctis JB. Metabolic Syndrome and Asthma. *Recent Pat Endocr Metab Immune Drug Discov.* 2014 Jan;8(1):60-6

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30. **García A** & De Sanctis JB. "An Overview of Adjuvant Formulations and Delivery Systems". APMIS. 2014 Apr; 122(4):257-67.
31. **Alexis H. García**, Dolores Moreno, Jenny V. Garmendia, Juan B. De Sanctis. Revisión de biomarcadores en asma y EPOC. Neumol Cir Torax, Vol. 72, No. 4, octubre -diciembre 2013
32. **García A.**, Moreno D, Garmendia JV, De Sanctis JB. Biomarkers in Asthma and COPD. Recent Patents on Biomarkers 3, 133-144 (8) 2013.
33. Larocca N, Moreno D, Garmendia JV, Velásquez O, Martín-Rojo J, Talamo C, **García A**, De Sanctis JB. Beta 2 adrenergic receptor polymorphisms, at codons 16 and 27, and bronchodilator responses in adult Venezuelan asthmatic patients. Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub.2012 Nov 2.
34. Toro F. I., Conesa A., **García A.**, Bianco N.E., De Sanctis J.B. (1998). "Increased peroxide production by polymorphonuclear cells of chronic HCV-infected patients". Clinical Immunology and Immunopathology 88: 169-175.
35. Garmendia J.V., Mendez R. M., **García A. H.**, Tassinari P., Aldrey O., Conesa A., Bianco N.E., De Sanctis J.B. (1998). "Serum nitric oxide products in different allergic diseases". Medical Science Research ". 26 (2): 125-127.
36. **Alexis H. García.**, Henry Rivera., Danuta Radzioch., Isaac Blanca., Nicolás Bianco and Juan de Sanctis (1999) "Leptin receptor expression in human umbilical cord leukocytes". Medical Science Research. 27:231-232.
37. **Alexis H. García.**, Henry Rivera., Danuta Radzioch., Isaac Blanca., Nicolás Bianco and Juan de Sanctis (1999) "Leptin enhances peroxide production in human umbilical cord leukocytes". Medical Science Research. 27:231-232.
38. Félix Toro., Angela Conesa., **Alexis García.**, Leopoldo Deibis., Nicolas Bianco y Juan De Sanctis. (1999). "HCV RNA sequences in eosinophils of chronic HCV-infected patients". Journal of Medicine.Vol.3, NOS. 3&4.

B.- Abstracts to Congress

1. Francis Crespo Serrano, Soriuska Mayora Hernández, Wendy Martínez Vázquez, Samantha Gutiérrez Bassi, Miller Meléndez Rodríguez, Inírida Belisario Gómez, Christian Medina García, Juan B De Sanctis, **Alexis García Piñero**. Carbohydrate Reactions Determinants (CCD) in Aeroallergens and Food Specific IgE Panel in Venezuelan Population <http://saber.ucv.ve/bitstream/10872/22913/1/EAACIE-POSTERJUNE01.2024.pdf>. EAACI Hybrid Congress. Valencia, SPAIN, JUNE 01-2024.
2. Inirida Belisario Gómez, Soriuska Mayora, Wendy Martínez Vásquez, Christian Medina García, Alexis García Piñero, Juan B De Sanctis, Mercedes Zabaleta Lanz. Presence Of Autoantibodies Following Sars-Cov-2 Infection And Prolonged Symptoms. https://www.researchgate.net/publication/380129151_Presence_of_autoantibodies_following_SARS-CoV Pan-American Congress of Rheumatology, held in Barranquilla, Colombia, from 10-13th April, 2024.
3. Mayora Soriuska, Martínez Wendy, Crespo Francis, Belisario Inirida, Medina Christian, De Sanctis Juan and **García Alexis**. Pilot study of the effect of sample type, sample conservation and method, on the measurement of the concentration of C3 and C4 fractions of the complement, XVII Venezuelan of Bioanalysis. Caracas, July 22, 2023
4. Francis Crespo, **Alexis García**, Belén Suarez, Catherine Fortique. JUVENILE DERMATOMYOSITIS. A CASE REPORT. LXVIII Venezuelan Congress of Puericulture and Paediatrics. Valencia, September 29th and 30th, 2022.
5. Guillermo J. Isturiz, Rodrigo Ordaz, Miguel Palenque, Lorenzo Rodríguez, **García Alexis** and Gur Levy. "Impact of the Asthma Morbidity Using the National Guidelines in Nueva Esparta, Venezuela" Chest Meeting Abstracts 2004 126: 810S-a.
6. G. Isturiz, G. Levy, R. Ordaz, L. Rodríguez, M. Palenque, H. López y **A. García**. "Impact of a national asthma program in the state of Nueva Esparta". Arch Bronconeumol 2004;40 (Supl 4):89.
7. **Alexis García**, Nicolás Bianco, Juan de Sanctis: "Picolinic Acid abrogates peroxide production of human neutrophils induced by IL-2, IL-4, and IFN γ " 11TH International Congress of Immunology 22-27 July 2001, Stockholm, Sweden.
8. Juan B. De Sanctis, **Alexis García**, Nicolas Bianco. "Expression of CD25, CD122, CD132, CD124, CD116 and IFN γ R β in human neonatal leukocytes, comparison with normal adults". XX Congress International Society for Analytical Cytology. Montpellier. France. May 20-25 2000.
9. **García A.**, Juan de Sanctis and Nicolás Bianco. "Effects of Interleukin-4 on the oxidative burst of polymorphonuclear leukocytes from adults and newborns". Society for Leukocyte Biology 15th International Congress. Churchill College. Cambridge, United Kingdom. September 22-26, 1999.
10. **García A.**, Juan de Sanctis and Nicolás Bianco. "Effects of Interleukin-2 on the oxidative burst of polymorphonuclear leukocytes from adults and newborns" .Society for Leukocyte Biology 15th International Congress. Churchill College. Cambridge, United Kingdom. September 22-26, 1999.
11. **García A.**, Juan de Sanctis and Nicolás Bianco. "Effects of gamma interferon on the oxidative burst of polymorphonuclear leukocytes from adults and newborns". First International Congress on Citokines/Chemokines in Infectious Diseases. September 8-10, 1999, Bethesda, Maryland.
12. Toro F. I., Conesa A., **García A.**, Deibis L., Bianco N.E., De Sanctis J.B. "Hepatitis C virus RNA sequences in human eosinophils". ASOVAC. Maracaibo 1998.
13. Toro F. I., Conesa A., **García A.**, Deibis L., Bianco N.E., De Sanctis J.B. "Increased peroxide production by polymorphonuclear cells of chronic HCV-infected patients". XIX International Congress of the International Society for Analytical Cytology. Colorado Springs, Colorado, U.S.A. Feb 28- March 5 1998.

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14. Conesa A., Rivera H., Aldrey O., García A., Bianco N.E., De Sanctis J.B. "Eosinophils express interleukin 2 receptor γ chain". ASOVAC. Valencia. Venezuela. 1997.
15. Toro F. I., Conesa A., García A., Deibis L., Rivera H., Blanca I., Bianco N.E., De Sanctis J.B. "Evaluation of the infectivity of the hepatitis C virus associated to plasma lipoproteins". ASOVAC. Valencia. Venezuela. 1997.
16. Snih A., De Sanctis J.B., Chacón R., Chung L., Abadí I., Garmendia J., García A., Bianco N., Rodríguez M.A., Stekman I. L. "Decreased serum nitrate and nitrite levels in patients with rheumatoid arthritis". ASOVAC. Valencia. Venezuela. 1997.
17. Carrabs M., García A., Romero A. "Register of Neonatal Infections by means of a New History Pattern". Presented at II Congress of Infectology, Maracaibo, Venezuela, November 1994
18. Carrabs M., García A., Romero A. "Register of Nosocomial Infections at Children's Hospital of Caracas". Presented at II Congress of Infectology, Maracaibo, Venezuela, November 1994.

LIST OF THE SUPERVISOR'S TRAINEES

1. Diego Lema. Medical Student. Research Program. School of Medicine. Universidad Central de Venezuela. December 2012-October 2015. Graduated with honours.
2. Chritian Medina. Medical Student. Research Program. School of Medicine. Universidad Central de Venezuela. October 2017-2022. Graduated with honours.
3. Francis Crespo 2020-2022. Student of the master's program in Clinical Immunologist. Faculty of Medicine. Universidad Central de Venezuela. Graduated with honours in December 2022.

AREAS OF INTEREST:

- Vaccines / Monoclonal Antibodies
- Infectious Diseases –Immune Response
- Respiratory Diseases/ Allergy Disease

PERSONAL REFERENCES

Jorge Arevalo

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Professor Juan B. De Sanctis. Ph.D.

Senior Researcher. Institute of Molecular and Translational Medicine. Palacky University Olomouc. Czech Republic. Email: sanctisj@gmail.com