



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 6755

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at Dipartimento di Biotecnologie Mediche e Medicina Traslazionale

Scientist- in - charge: Domenico Mavilio

[María Estefanía Viano]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Viano
Name	María Estefanía

PRESENT OCCUPATION

Appointment	Structure
Research Fellow	Centro de Investigación en Bioquímica Clínica e Inmunología (CIBICI-CONICET). Universidad Nacional de Cordoba, Argentina.

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Biochemistry	Universidad Católica de Cordoba	2018
Specialization	NA	NA	NA
PhD	Chemical Sciences	Universidad Nacional de Cordoba	2024
Master	NA	NA	NA
Degree of medical specialization	NA	NA	NA
Degree of European specialization	NA	NA	NA
Other	NA	NA	NA



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
NA	NA	NA

FOREIGN LANGUAGES

Languages	level of knowledge
Spanish	mother tongue
English	B2
French	B2

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2023	Short term internship travel grant Secretaria de Ciencia y Tecnología. Univerdidad Nacional de Córdoba - (UNC) Title: "Unraveling the thymic origin and the peripheral role of human virtual memory CD8 T cells under physiological versus pathological context" Place: Università degli Studi di Milano Dipartimento di Biotecnologie Mediche e Medicina Traslazionale Unità di Immunologia Clinica e Sperimentale (Istituto Clinico Humanitas). Milán, Italia Advisor: Dr. Domenico Mavilio
2021	Short term internship travel grant. Sociedad Argentina de Inmunología (SAI) Title: Thymic exportation methodologies Place: Instituto de Inmunología Clínica y Experimental (IDICER-CONICET). Rosario, Argentina. Advisor: Dr. Ana Rosa Perez
2021	Best poster in clinical immunology session at annual meeting of biosciences Societies. Almada L, Angiolini S, Dho N, Dutto J, Gazzoni Y, Manzone C, Marín C, Ponce NE, Iribarren P, Cerbán F, Morón G, Amezcua Vesely C, Ana Y, Cervi L, Chiapello L, Fozzatti L, Icely P, Maccioni M, Mena C, Montes C, Motrán C, Rodríguez-Galán MC, Stempin C, Viano ME , Bertone M, Abiega C, Escudero D, Kahn A, Caeiro JP, Arroyo D, Maletto B, Acosta-Rodríguez EV, Gruppi A, Sotomayor CE. Dynamics of soluble immune mediators in COVID-19 patients from an Argentinean cohort with moderate and severe symptoms. Reunión conjunta SAIC-SAI-AAFE-NANOMEDar. Buenos Aires, Argentina.
2019	PhD fellowship Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET) Title: From the thymus to the periphery: exploring the origin and role of virtual memory CD8+ T cells Place: Centro de Investigación en Bioquímica Clínica e Inmunología (CIBICI-CONICET). Facultad de Ciencias Químicas, Universidad Nacional de Córdoba. Advisor: Prof. Dr. Maria Cecilia Rodríguez-Galán.
2019	PhD fellowship



	<p>Secretaría de Ciencia y Tecnología. Universidad Nacional de Córdoba (SECYT-UNC) Title: From the thymus to the periphery: exploring the origin and role of virtual memory CD8+ T cells Place: Centro de Investigación en Bioquímica Clínica e Inmunología (CIBICI-CONICET). Facultad de Ciencias Químicas, Universidad Nacional de Córdoba. Advisor: Prof. Dr. Maria Cecilia Rodriguez-Galán.</p>
2018	<p>Instituto Nacional del Cancer (INC). Research Fellowship. Title: Innate CD8+ T cells: an unexplored line of defense against cancer Place: Centro de Investigación en Bioquímica Clínica e Inmunología (CIBICI-CONICET). Facultad de Ciencias Químicas, Universidad Nacional de Córdoba. Advisor: Prof. Dr. Maria Cecilia Rodriguez-Galán.</p>

TRAINING OR RESEARCH ACTIVITY

description of activity	
<p>Dal 1/04/19 ad 27/06/24</p> <p>PhD student Centro de Investigación en Bioquímica Clínica e Inmunología (CIBICI-CONICET). Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Argentina Advisor: Prof. Dr. Maria Cecilia Rodriguez-Galán.</p> <p>Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)</p>	
<p>01/09/18 ad 1/04/19</p> <p>Research Fellow Centro de Investigación en Bioquímica Clínica e Inmunología (CIBICI-CONICET). Facultad de Ciencias Químicas, Universidad Nacional de Córdoba. Advisor: Prof. Dr. Maria Cecilia Rodriguez-Galán.</p> <p>National Institute of Cancer (INC)</p>	
<p>1/3/12 ad 28/02/18</p> <p>Biochemistry Facultad de Ciencias Químicas, Universidad Católica de Córdoba</p> <ul style="list-style-type: none"> Thesis: "Vitamin D and its analogues in the treatment of colorectal cancer" <p>Advisor: Prof. Dr. Romina Kohan</p> <p>1/3/2017 ad 28/02/18</p> <p>Internship at Hospital del Niños "Santísima Trinidad"</p>	



PROJECT ACTIVITY

Year	Project
2019-2024	From the thymus to the periphery: exploring the origin and role of virtual memory CD8+ T cells in murin models and humans
2020	Dynamics of soluble immune mediators in COVID-19 patients from an Argentinean cohort with moderate and severe symptoms
2018	Innate CD8+ T cells: an unexplored line of defense against cancer

PATENTS

Patent
NA
NA

CONGRESSES AND SEMINARS

Date	Title	Place
2023	Milan meets immunology.	Milano, Italia
2022	Annual Meeting of Bioscience Societies 2022	Mar del Plata, Argentina
2021	Annual Meeting of Bioscience Societies 2021	Buenos Aires, Argentina
2020	Annual Meeting of Bioscience Societies 2020	Buenos Aires, Argentina
2019	LVII annual meeting of the Sociedad Argentina de Inmunología (SAI)	Tucumán, Argentina

PUBLICATIONS

Books
NA
NA
NA

Articles in reviews
1. Viano ME , Baez NS, Savid-Frontera C, Baigorri RE, Dinatale B, Pacini MF, Bulfoni Balbi C, Gonzalez FB, Fozzatti L, Lidón NL, Young HA, Hodge DL, Cerban F, Stempin CC, Pérez AR, Rodríguez-Galán MC. Systemic inflammatory Th1 cytokines during Trypanosoma cruzi infection disrupt the typical anatomical cell distribution and phenotypic/functional characteristics of various cell subsets within the thymus . Microbes Infect. 2024 Jul-Aug;26(5-6):105337. doi: 10.1016/j.micinf.2024.105337.
2. Almada L, Angiolini SC, Dho ND, Dutto J, Gazzoni Y, Manzone-Rodríguez C, Marín C, Ponce NE, Arroyo DS, Quiróz JN, Iribarren P, Cerbán FM, Morón G, Amezcua Vesely MC, Cervi L, Chiapello LS, Fozzatti L, Icely PA, Maccioni M, Montes CL, Motrán CC, Rodríguez-Galán MC, Stempin CC, Viano ME , Mena C, Bertone M, Abiega CD, Escudero D, Kahn A, Caeiro JP, Maletto BA, Acosta Rodríguez EV, Gruppi A, Sotomayor CE. Different



<p>cytokine and chemokine profiles in hospitalized patients with COVID-19 during the first and second outbreaks from Argentina show no association with clinical comorbidities. Front Immunol. 2023 Feb 1;14:1111797. doi: 10.3389/fimmu.2023.1111797.</p>
<p>3. Viano ME, Baez NS, Savid-Frontera C, Lidon NL, Hodge DL, Herbelin A, Gombert JM, Barbarin A, Rodriguez-Galan MC. Virtual Memory CD8⁺ T Cells: Origin and Beyond. J Interferon Cytokine Res. 2022 Dec;42(12):624-642. doi: 10.1089/jir.2022.0053.</p>
<p>4. Palacios LM*, Peyret V*, Viano ME*, Geysels RC, Chocobar YA, Volpini X, Pellizas CG, Nicola JP, Motran CC, Rodriguez-Galan MC, Fozzatti L. TIM3 Expression in Anaplastic-Thyroid-Cancer-Infiltrating Macrophages: An Emerging Immunotherapeutic Target. Biology (Basel). 2022 Nov 3;11(11):1609. doi: 10.3390/biology11111609. <i>* These authors contributed equally to this work</i></p>
<p>5. Savid-Frontera C, Viano ME, Baez NS, Reynolds D, Matellon M, A Young H, Rodriguez-Galan MC. Safety levels of systemic IL-12 induced by cDNA expression as a cancer therapeutic. Immunotherapy. 2022 Feb;14(2):115-133. doi: 10.2217/imt-2021-0080.</p>
<p>6. Savid-Frontera C, Viano ME, Baez NS, Lidon NL, Fontaine Q, Young HA, Vimeux L, Donnadieu E, Rodriguez-Galan MC. Exploring the immunomodulatory role of virtual memory CD8⁺ T cells: Role of IFN gamma in tumor growth control. Front Immunol. 2022 Oct 18;13:971001. doi: 10.3389/fimmu.2022.971001.</p>
<p>7. Baez NS, Cerbán F, Savid-Frontera C, Hodge DL, Tosello J, Acosta-Rodriguez E, Almada L, Gruppi A, Viano ME, Young HA, Rodriguez-Galan MC. Thymic expression of IL-4 and IL-15 after systemic inflammatory or infectious Th1 disease processes induce the acquisition of "innate" characteristics during CD8⁺ T cell development. PLoS Pathog. 2019 Jan 4;15(1):e1007456. doi: 10.1371/journal.ppat.1007456.</p>

Congress proceedings
NA
NA
NA

OTHER INFORMATION

<u>PhD COURSES</u>
2021 • Immune response of lymphocytes B: protagonists, dynamics and functions. Facultad de Ciencias Químicas. Universidad Nacional de Cordoba.
Grade: 10/10
2020 • Principles and new advances in knowledge of innate immune response. Facultad de Ciencias Químicas. Universidad Nacional de Cordoba.
Grade: 9/10
2020 • Immunology, principles and new advances. Facultad de Medicina. Universidad Nacional de Rosario. Argentina.
Grade: 9.50/10
2019 • Thesis writing. Facultad de Ciencias Químicas. Universidad Nacional de Cordoba.



<p>Grade: 9/10</p> <p>2019 • Didactics in Hypothesis generation in teaching. Class planning. Facultad de Ciencias Químicas. Universidad Nacional de Cordoba.</p> <p>Grade: 9/10</p>
<p><u>TEACHING</u></p> <p>2020 – 2024. Assistant professor</p> <p>Subject: General Immunology and Immunochemistry. Biochemistry - Facultad de Ciencias Químicas. Universidad Nacional de Cordoba. Since August 2019-present.</p> <p>Subject: Immunology applied to biotechnology – Biotechnology.- Facultad de Ciencias Químicas. Universidad Nacional de Cordoba. Since August 2019-present.</p> <p>Subject: Immunoneuroendocrinology. Biochemistry- Facultad de Ciencias Químicas. Universidad Nacional de Cordoba. Since March 2020-Present.</p>
<p><u>EXTRACURRICULAR ACTIVITIES</u></p> <p>2022 • "VACUNATE. Las vacunas nos protegen siempre". Coordinated by Dr. Ximena Volpini and Dr. Carolina Amezcua. Activities in social media and promotion of vaccination against COVID-19.</p> <p>2021 • "VACUNATE. Contra COVID-19 la mejor vacuna es la que te toca". Activity supported by the Sociedad Argentina de Inmunologia for celebrating the Day of Immunology, declared of Institutional Interest for the Facultad de Ciencias Químicas. Universidad Nacional de Cordoba. Coordinated by Dr. Ximena Volpini and Dr. Carolina Amezcua. Activities in social media and promotion of vaccination against COVID-19.</p> <p>2019 • "WINNING THE PULSE TO CANCER WITH THE FORCE OF SCIENCE". Activity supported by the Sociedad Argentina de Inmunologia for celebrating the Day of Immunology, declared of Institutional Interest for the Facultad de Ciencias Químicas. Universidad Nacional de Cordoba. Coordinated by Dr. Pilar Aoki. Visits to middle schools from April 22nd to June 15th to interact with children and show them the importance of the immune system and the immunotherapy against cancer.</p> <p>2016 • Health intervention in marginal populations of the province of Cordoba. Facultad de Ciencias Químicas, Universidad Catolica de Cordoba</p> <p>2015 • Tutoring as a learning strategy and integration into the university system. Facultad de Ciencias Químicas, Universidad Catolica de Cordoba</p>

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

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Place and date: Córdoba, 3/09/2024