**CURRICULUM VITAE**

**Personal Information**

* Full Name: Martín Manuel Ledesma.
* Date of Birth: February 23, 1988
* Age: 36 years
* Place of Birth: Mar del Plata, Buenos Aires, Argentina
* ID Number: D.N.I. 33,480,853
* Home Address: Acoyte 1118 10th Floor, C.A.B.A.
* City: Autonomous City of Buenos Aires
* Phone: 20672814 / +541136955215
* Email: [mmledesma88@gmail.com](mailto:mmledesma88@gmail.com); [mledesma@ffyb.uba.ar](mailto:mledesma@ffyb.uba.ar)
* Marital Status: Single
* Nationality: Argentine

**Skills**

* Data Science: Extracting relevant information from raw and processed data from various knowledge areas. Analytical principles of databases (SQL), robust and programmatic exploratory analysis, data visualization (ggplot2, trelliscope, leaflet, plotly), and interactive integration of research into HTML documents (RMarkdown) and web pages (Shiny).
* Statistical Analysis: Implement statistical modeling with open-source software R. Supervised learning: linear regression, multiple linear regression, logistic regression, decision trees, random forest, support vector machines, naive Bayes, extreme gradient boosting, etc. Unsupervised learning: heatmaps, PCA, and clustering. Network analysis. Machine learning. Time series analysis.
* Proteomics: Handling of MALDI-TOF-MS for the identification of clinically relevant bacteria. Ability to classify protein profiles within the same species through database comparison. Research and development of MALDI-TOF-MS to identify biomarkers related to clinical relevance status (antibiotic resistance, chemotherapy resistance, etc.) Management of information from ESI-Orbitrap mass spectrometry: quality control, filtering, differential analysis, and functional bioinformatic analysis
* Genomics. Bioinformatic analysis of exomes, panels, and arrays: data processing from NGS reads, including quality analysis, filtering, and preprocessing of the reads. Alignment, variant calling (SNPs + indels and copy number variations), variant analysis, and analysis of differential gene expression. Bioinformatic analysis of prokaryotic and eukaryotic genomes. Single cell data analysis.
* Basic Research: ELISA, Western Blot, IFI, IFD, and RIA. Primary neuronal cultures and cell line cultures (Postgraduate course). Laboratory animal handling (Postgraduate course): Adult and neonatal rats, mice (BALB/c), rabbits (New Zealand), and llamas (Lama glama). Bacteria: Corynebacterium spp., Pseudomonas aeruginosa, Staphylococcus aureus, Acinetobacter baumannii, Escherichia coli, Staphylococcus epidermidis, and Clostridium difficile.
* Biotechnology: Development of Monoclonal Antibodies.
* Languages: English Level 12 (European Code B2 Diploma), Portuguese Level 4 (European Code A1 Diploma).
* Computer Skills: Proficiency in open-source software R. Knowledge of Python and Bash.

**Current Activities**

1. Fellow Bioinformatican at IMEX-ANM-CONICET. In charge of the High-Level Technological Service (STAN - CONICET) in Bioinformatics.
2. Bioinformatician at Genomics Unit CEMET-Hospital El Cruce Alta Complejidad en Red Dr. Néstor Carlos Kirchner (SAMIC).
3. Researcher at Translational Knowledge Unit of Hospital de Alta Complejidad del Bicentenario Esteban Echeverría. Topic: omics analysis."

**Fellowships**

1. CONICET Short-Term Stay Scholarship. From 01-02-2023 to 31-05-2024. Bioinformatics Unit of the Institute of Experimental Medicine (IMEX) - of the National Academy of Medicine of Buenos Aires (ANM) - CONICET.
2. Postdoctoral Fellowship ANPCYT (PICT 2016-2714). From 11-01-2021 to present. Topic: "Pharmacogenetics and epigenetics of chronic myeloid leukemia and its clinical significance in personalized medicine." Fellowship Director: Dr. Ariela Fundia. Co-Director: Dr. Silvina Lompardía. Place of work: Institute of Human Humoral Immunity Studies (IDEHU), CONICET-UBA.
3. April 2018 - April 2020. CONICET Strategic Topics Postdoctoral Fellowship. Topic: Identification of antibiotic resistance mechanisms in Corynebacterium spp. through MALDI-TOF-MS spectrum analysis with open-source software R. Fellowship Director: Dr. Carlos Vay. Place of work: Bacteriology Chair. Department of Clinical Biochemistry, Faculty of Pharmacy and Biochemistry, University of Buenos Aires.
4. CONICET Doctoral Fellowship Type 2: From 04/01/2014 to 04/01/2016. Topic: "Design of serological diagnostic tools for understanding the health status and immune system in South American Camelids." Fellowship Director: Dr. Juliana Leoni. Place of work: Immunology Chair. Department of Microbiology, Immunology, and Biotechnology. Faculty of Pharmacy and Biochemistry. University of Buenos Aires.
5. ANPCYT Doctoral Fellowship (PICT 2008-1565). From 03-01-2012 to 03-01-2014. Topic: "Development of serological diagnostic tools for improving production and health control of South American Camelids." Fellowship Director: Dr. Juliana Leoni. Place of work: Immunology Chair. Department of Microbiology, Immunology, and Biotechnology. Faculty of Pharmacy and Biochemistry. University of Buenos Aires.

**Teaching Experience**

* 1. July 2012- February 2016. First Honorary Assistant. Biochemistry Immunology Course. Immunology Chair. Faculty of Pharmacy and Biochemistry, U.B.A.
  2. August 2011- June 2012. Second Honorary Assistant. Biological Chemistry I Course. Biological Chemistry Chair. Faculty of Pharmacy and Biochemistry, U.B.A.
  3. October 2009 – July 2011. Second Honorary Assistant. Physiology Course. Physiology Chair. Faculty of Pharmacy and Biochemistry, U.B.A.

**Education**

**Degrees**

* 2012-2016. Ph.D. from U.B.A. Area: Pharmacy and Biochemistry, Subarea: Biochemical Sciences. Thesis Title: "Immunoserology as an Indicator of Health Status in South American Camelids." Place of work: Immunology Chair. Department of Microbiology, Immunology, and Biotechnology. Faculty of Pharmacy and Biochemistry. University of Buenos Aires. Advisor: Dr. Alejandro Ferrari. Grade: Outstanding (10 points).
* 2006-2011. Biochemist. Faculty of Pharmacy and Biochemistry, U.B.A. Major in Basic Biochemistry. Curriculum 1987. Overall GPA: 6.59.

**Courses**

R Software

| **Course Name** | **institution** | **Day** | **Hours** | **Qualif** |
| --- | --- | --- | --- | --- |
| 1. Analyzing Genomic Data in R Track | Datacamp virtual platform [Link](https://www.datacamp.com/statement-of-accomplishment/track/67896eb0fb31fd1f4ad5e7444fbec1415240ded8) | 2022 | 16 | Aprobado |
| 2. R Developer Track. | Datacamp virtual platform. [Link](https://www.datacamp.com/statement-of-accomplishment/track/ce1f2f4ac991d1d227885371e297a974c6be5029) | 2020 | 38 | Aprobado |
| 3. Shiny Fundamentals with R Track. | Datacamp virtual platform. [Link](https://www.datacamp.com/statement-of-accomplishment/track/30b285de1aac2b31cb31cfa904628cf07cf6ace8) | 2020 | 12 | Aprobado |
| 4. Big Data with R Track. | Datacamp virtual platform. [Link](https://www.datacamp.com/statement-of-accomplishment/track/1faa61bb1c7b70c9cba7c01d25da4a6ba67e0c8b) | 2020 | 20 | Aprobado |
| 5. Finance fundamentals with R | Datacamp virtual platform. [Link](https://www.datacamp.com/statement-of-accomplishment/track/fa46bb7b175859b7dd479b1746659719dd54484a?raw=1) | 2021 | 28 | Aprobado |
| 6. Associate Data Scientist with R Track. | Datacamp virtual platform. [Link](https://www.datacamp.com/statement-of-accomplishment/track/7a5666bfab011159e2ed9569f193504fc7efe61a?raw=1) | 2018-2019 | 94 | Aprobado |
| 7. Machine Learning Scientist with R Track. | Datacamp virtual platform. [Link](https://www.datacamp.com/statement-of-accomplishment/track/b4ad96fa88fdca0b8f1735ede74995f2e23df05e) | 2018-2019 | 61 | Aprobado |
| 8. Specialist in Statistics with R. "Statistics with R," a specialization comprising five courses. | Duke University (Coursera). [Verification Link](https://www.coursera.org/verify/specialization/C2LVFHKTP92F). | 2018-2019. | 30 | Aprobado |
| 9. Introducción a Data Science: Programación Estadística con R.  (On-line). | Universidad Nacional Autónoma de México  (Coursera). | 02/08/17 | 20 | 100% |
| 10. Fundamentos de la programación estadística y Data Mining en R. Estadística descriptiva, modelos de regresión y árboles de decisión | Universidad Nacional Tres de Febrero  (UNTREF). | 19/07/17 al 03/08/17 | 20 | Aprobado. |
| 11. Tratamiento estadístico de datos de ciencias de la salud con el software libre R.  (On-line). | Facultad de Farmacia y Bioquímica  (U. B. A). | 21/08/15 al 25/11/15 | 40 | Aprobado. |

Python

| **Course Name** | **institution** | **Day** | **Hours** | **Qualif** |
| --- | --- | --- | --- | --- |
| 1. Programming for Everybody (Getting started with python) | University of Michigan (Coursera). | 22/9/17 | 20 | Aprobado |
| 2. Python Data Structures. | University of Michigan (Coursera). | 30/10/17 | 20 | 96.8%. |
| 3. Machine learning foundations: A case study approach | University of Washington (Coursera). | 30/10/17 | 20 | Aprobado |
| 4. Machine learning: Regression | University of Washington (Coursera). | 30/10/17 | 20 | Aprobado |

Shell-Bash

| **Course Name** | **institution** | **Day** | **Hours** | **Qualif** |
| --- | --- | --- | --- | --- |
| 1. Introduction to shell | Datacamp virtual platform | 2019 | 4 | Aprobado |
| 2. Introduction to bash scripting | Datacamp virtual platform | 2023 | 4 | Aprobado |
| 3. Data processing in shell | Datacamp virtual platform | 2024 | 4 | Aprobado |
| 4. Introduction to Git | Datacamp virtual platform | 2024 | 4 | 8,5 |

Biotechnology

| **Course Name** | **institution** | **Day** | **Hours** | **Qualif** |
| --- | --- | --- | --- | --- |
| 1. Protein Bioinformatics: from sequences to knowledge | Sociedad Argentina de Biología (IBYME) | 17-05-2018 al 18-05-2018 | 15 | Attendence |
| 2. Cinética Enzimática Avanzada | Facultad de Farmacia y Bioquímica (U. B. A.). | 2/11/15 al 18/11/15. | 90 | Aprobado |
| 3. Curso de Animales de Laboratorio. | Facultad de Ciencias Exactas y Naturales (U. B. A.). | 13/7/15 al 24/7/15. | 80 | 8 |
| 4. Curso Teórico-Práctico de Técnicas de Cultivo Celular. | Instituto de Investigaciones Biotecnológicas Universidad de San Martín (UNSAM). | 19/11/12 al 14/12/12 | 35 | 8,5 |

Basic statistics

| **Course Name** | **institution** | **Day** | **Hours** | **Qualif** |
| --- | --- | --- | --- | --- |
| 1. Estadística II. | Sociedad Argentina de Biología (IBYME). | 07/08/17 al 11/08/17 | 30 | Aprobado. |
| 2. Bayesian Statistics: From Concept to Data Analysis.  (On-line). | Universidad de California en Santa Cruz  (Coursera). | 23/08/17 | 20 | 87.7%. |
| 3. Estadística aplicada a las ciencias de la salud. | Facultad de Farmacia y Bioquímica  (U. B. A). | 18/03/14 al 03/07/14 | 93 | Aprobado. |

**Scientific Conferences**

**International**

1. Poster (5th autor). NDM-5-producing Klebsiella pneumoniae ST258 in a University hospital in Argentina. 34th European Congress of Clinical Microbiology. Barcelona, Spain. 27-30 April 2024.
2. Poster (3th autor). Analysis of ADME gene array in Chronic Myeloid Leukemia identifies association between *ABCC4*, *POR*, *SPG7* and *UGT2B7* gene variants and imatinib response. 25th Annual John Goldman Conference on CHRONIC MYELOID LEUKEMIA: Biology and Therapy. Mandelieu-La Napoule, France. October 6-8, 2023.
3. Poster. Proteomic profile modifications in the epileptogenic nucleus of the genetically audiogenic seizure-prone hamster GASH/Sal after repeated seizures. 11th IBRO World Congress, Granada, Spain from 9-13 September 2023. Fernández Zeballos, F., García-Peral C., Ledesma, M., Lazarowsky, A., García-López, D.
4. Oral Presentation (First Shared Authorship). 13th International Conference on HYALURONAN (International Society for Hyaluronan Sciences) 2021 (Virtual Modality). Title: "4-METHYLUMBELLIFERONE INDUCES ANTI-TUMOR EFFECTS INDEPENDENTLY OF ITS ROLE AS A HYALURONAN SYNTHESIS INHIBITOR ON HUMAN AML CELLS”
5. Poster (First Author). 8th Symposium of the Mexican Proteomics Society. Acapulco, Guerrero, Mexico. October 2019. Title: "A machine learning approach to detect Clostridioides difficile toxigenic biomarkers by MALDI-TOF-MS.”
6. Poster (First Author). 25th International Conference for Advances in Research and Control of Rabies in the Americas (RITA). October 26-30, 2014. Cancun, Mexico. Title: "Rabies vaccination and strategies to assess effectiveness in South American Camelids.”

**National**

1. Speaker at the 2023 High-Complexity Technologies in Health Symposium organized by the Genetics Council of SAIC. Location: National Academy of Medicine of Buenos Aires. Title: "Data Science in Proteomics.”
2. Oral. 4th autor. 16° Joranda de Científica y de Gestión de Hospital El Cruce Alta Complejidad en Red Dr. Néstor Carlos Kirchner (SAMIC). 2023. EFICACIA PRECLÍNICA DEL ANTIPARASITARIO IVERMECTINA EN COMBINACIÓN CON TERAPIA DIRIGIDA BASADA EN α- - PD-1 EN UN MODELO DE CÁNCER COLORRECTAL AGRESIVO RESISTENTE A QUIMIOINMUNOTERAPIA. Premiado como mejor trabajo del Eje Traslacional.
3. Poster. 3th Autor. SAI 2023. SUPERANTIGENS OF THE *EGC OPERON* SEI, SEO, SEG AND SEM INDUCE HUMAN NEUTROPHILS ACTIVATION PROMOTING DIFFERENTIAL PEPTIDOME PROFILES, MODIFICATION OF MMPS ACTIVITY, CYTOKINES AND NETS RELEASE
4. Oral. 4th autor. XXVI Congreso Argentino de Hematología. ANÁLISIS MASIVO DE VARIANTES GENÉTICAS EN LEUCEMIA LINFOCÍTICA CRÓNICA. Mención especial.
5. Docente curso pre-congreso. LI Congreso Argentino de Genética, Rio Cuarto, Córdoba Argentina. 2023. 1-10-23 al 4-10-23. “Bioinformática. Una introducción al análisis informático de datos biológicos masivos”.
6. Poster (First Author). SAIC-SAI-SAFIS 2022. Title: "4-METHYLUMBELLIFERONE INDUCES SENESCENCE AND SENSITIZES THE RESISTANT CML CELL LINE Ki562 TO THE EFFECT OF IMATINIB.”
7. Oral Presentation (Second Author). SAIC-SAI-SAFIS 2022. Title: "4-METHYLUMBELLIFERONE AS A CHEMOSENSITIZER IN A GLIOBLASTOMA MODEL.”
8. Virtual Modality. First Author. COVID-19 Symposium in Internal Medicine at the Hospital de Clinicas 2021. Title: "A WEB APPLICATION FOR THE DIAGNOSIS OF COVID-19 USING ARTIFICIAL INTELLIGENCE ANALYSIS OF MALDI-TOF SPECTRA FROM NASOPHARYNGEAL SWABS.”
9. Speaker at the Round Table: "Mass Spectrometry (MALDI-TOF MS): A Multipurpose Tool." XV Argentine Congress of Microbiology (CAM 2019). Buenos Aires, Argentina, September 25-27, 2019. Title: "Prediction of Clinical Phenotypes through Algorithmic Analysis of MALDI-TOF Mass Spectra.”

**Scientific Publications**

**Peer-Reviewed**

1. Ziegler BM, Abelleyro MM, Marchione VD, et al Comprehensive genomic filtering algorithm to expose the cause of skewed X chromosome inactivation. The proof of concept in female haemophilia expression Journal of Medical Genetics Published Online First: 06 May 2024. doi: 10.1136/jmg-2024-109902.
2. Fernández Zeballos, F., García-Peral C., Ledesma, M., Lazarowsky, A., García-López, D. Proteomic profile modifications in the epileptogenic nucleus of the genetically audiogenic seizure-prone hamster GASH/Sal after repeated seizures. P1324 / #3338 | TOPIC: AS08 DISEASES OF THE NERVOUS SYSTEM (INCLUDING, INFECTIVE AND PSYCHIATRIC)| [VOLUME 15, SUPPLEMENT 1](https://www.ibroneuroreports.org/issue/S2667-2421(23)X0003-7), S664, OCTOBER 2023. IbroNeuroscienceReports. https://doi.org/10.1016/j.ibneur.2023.08.1330.
3. Ortiz Wilczyñski Juan Manuel, Mena Hebe Agustina, Ledesma Martin Manuel, Olexen Cinthia Mariel, Podaza Enrique, Schattner Mirta, Negrotto Soledad, Errasti Andrea Emilse, Carrera Silva Eugenio Antonio. The synthetic phospholipid C8-C1P determines pro-angiogenic and pro-reparative features in human macrophages restraining the proinflammatory M1-like phenotype. Frontiers in Immunology, 14. (2023).
4. Ledesma, M., Poodts, D., Amoia, S., et al. Discrimination of the chemotherapy resistance status of human leukemia and glioblastoma cell lines by MALDI-TOF-MS profiling. Sci Rep 13, 5596 (2023).
5. García-Peral, C.; Ledesma, M.M.; Herrero-Turrión, M.J.; Gómez-Nieto, R.; Castellano, O.; López, D.E. Proteomic and Bioinformatic Tools to Identify Potential Hub Proteins in the Audiogenic Seizure-Prone Hamster GASH/Sal. Diagnostics 2023, 13, 1048.
6. Ledesma, M., Todero, M.F., Maceira, L., et al. Peptidome profiling for the immunological stratification in sepsis: a proof of concept study. Sci Rep 12, 11469 (2022).
7. María Emilia Cáceres, Martín Manuel Ledesma, Andrea Lombarte Serrat, Carlos Vay Daniel Oscar Sordelli, Mónica Nancy Giacomodonato, Fernanda Roxana Buzzola. 2021. Growth conditions affect biofilms of Staphylococcus aureus producing mastitis: Contribution of MALDI-TOF-MS to strain characterization. Current Research in Microbial Sciences 2021; 2 (100073).
8. Cristian Dotto, Andrea Lombarte Serrat, Martín Ledesma, Carlos Vay, Monika Ehling-Schulz, Daniel Sordelli, Tom Grunert, Fernanda Buzzola. 2021. Salicylic acid induces stabilization of Staphylococcus aureus biofilm by interfering with agr expression. Sci Rep 2021; 11(1):2953.
9. Claudia Barberis, Martín Ledesma, Carla Alvarez, Angela Famiglietti, Marisa Almuzara, Carlos Vay. 2021. Análisis de la diversidad de aislados clínicos de Actinomyces/Actinotignum en un hospital universitario. Revista Argentina de Microbiología 2021; 53(3), 202-209.
10. María Florencia Rocca, Jonathan Cristian Zintgraff, María Elena Dattero, Leonardo Silva Santos, Martín Ledesma, Carlos Vay, Mónica Prieto, Estefanía Benedetti, Martín Avaro, Mara Russo, Fabiane Manke Nachtigall and Elsa Baumeister. A Combined approach of MALDI-TOF Mass Spectrometry and multivariate analysis as a potential tool for the detection of SARS-CoV-2 virus in nasopharyngeal swabs. Journal of Virological Methods 2020; 286(3).
11. Martín M. Ledesma, Ailén M. Díaz, Claudia Barberis, Carlos Vay, Marcela A. Manghi, Juliana Leoni, Marisa S. Castro and Alejandro Ferrari. 2017. Identification of Lama glama as reservoirs for Acinetobacter lwofii. Front. Microbiol. 8:278. doi: 10.3389/fmicb.2017.00278.
12. Adrián Friedrich, Martín M. Ledesma, Ignacio Landone, Alejandro Ferrari and Juliana Leoni. 2014. Production of a monoclonal antibody against serum immunoglobulin M of South American Camelids and assessment of its suitability in two immunoassays. Journal of Veterinary Diagnostic Investigation. Brief Communication. DOI:10.1177/1040638714543675.

**Online Presentations**

1. Llavona, C., Solernó, L., Gonzales Morán, F., Ledesma, M., Martinez, G., Segatori, V. I., Alonso, D. F., & Garona, J. (2023). Estudio exploratorio de eficacia de ivermectina combinada a α-PD-1 en cáncer colorrectal resistente a quimioinmunoterapia. *Revista Del Hospital El Cruce*, (32).
2. Ledesma, M. M. (2023). MALDI-TOF-MS y machine learning como herramientas para la investigación traslacional en Argentina. *Revista Del Hospital El Cruce*, (32).
3. Martín Ledesma, Matías Micucci, Darío Errico, Oscar Pérez, Gabriela Calamante, Alejandro Ferrari. 2014. Immunoprophylaxis against rabies in South American Camelids. Digital Journal of SENASA. 3: 48-52.

**Awards**

1. FLORENCIO FIORINI AWARD 2023 on the topic "Advances in Respiratory Diseases" from the University of Salvador and the Florencio Fiorini Foundation. Title: "Detection of genetic variants involved in the etiology and progression of pulmonary arterial hypertension in Argentina." Presented under the pseudonym "Pulmonary Genomics" and conducted at the Pulmonology Service, Fundacion Favaloro University Hospital. Authors: Jorge Osvaldo Caneva, Maria Belén Fontecha, Maria del Rosario Anadon, Liliana Ethel Favaloro, Mariano Egidio Mazzei, Graciela Isabel Tuhay, Agustin Roberto Garcia, Daniel Alberto Pirola, Martin Manuel Ledesma, Ariela Freya Fundia.
2. Alois Bachmann Accésit Award 2022 from the National Academy of Medicine of Buenos Aires. Title: "Impact of the SARS-CoV2 Pandemic on the Spread and Dissemination of Carbapenemases in K. pneumoniae in a Teaching Hospital." Authors: Carlos H. Rodriguez, Marcela Nastro, Beatriz Goyheneche, Martín M. Ledesma, Mónica Foccoli, Carlos Vay, Stella de Gregorio, Ángela Famiglietti.
3. INNOVAR 2019: "Bioinformatics Platform for the Analysis of MALDI-TOF-MS Spectra with Clinical Impact." ID 2019-2623. Selected for publication in the INNOVAR 2019 - 15TH ANNIVERSARY catalog.

**Human Resources Training**

1. Deputy Director. Doctoral Thesis at INFIBIOQ-Ffyb-UBA. Biochemist Natalia Borda. Title: Study of polymorphonuclears (PMN) role in the propagation of damage induced by epileptic seizures. (Current).
2. Co-director. Thesis of Career Specialization in Clinical Bacteriology (Ffyb-UBA). Biochemist Anabel Garay. Title: Analysis of virulence factors and antimicrobial resistance in clinical isolates of Pseudomonas aeruginosa. (2019-2022)

**Reviewer**

Frontiers (2 papers).

Anaerobe (Elsevier) (1 paper).

Revista Argentina de Microbiología (Elsevier) (4 papers).

Advance in Medical Science (Elsevier) (1 paper).

**Scientific Colaborations**

1. DESARROLLO DE SISTEMAS DE APOYO AL DIAGNÓSTICO Y PRONÓSTICO DEL GLIOBLASTOMA BASADOS EN MACHINE-LEARNING. (2023)
2. TERAPIA PERSONALIZADA PARA GLIOBLASTOMA: BÚSQUEDA DE MARCADORES MOLECULARES Y TRATAMIENTOS ALTERNATIVOS. (2023)
3. EVALUACION PRECLINICA DEL EFECTO AGONISTA SOBRE EL RECEPTOR DE VASOPRESINA AVPR2 EN COMBINACION A INHIBIDORES DE PUNTOS DE CONTROL ANTI-PD-1 EN MODELOS DE CANCER MAMARIO Y COLORRECTAL. (2024)
4. Efecto de 4MU sobre líneas de GBM y muestras de pacientes: Desentrañando el mecanismo de acción. (2024)
5. DESARROLLO DE HERRAMIENTAS DIAGNÓSTICAS Y DE PREDICCIÓN DE LA RESISTENCIA A TEMOZOLOMIDA EN GLIOBLASTOMA. (2024)
6. Avances en el estudio de las múltiples funciones de la nucleósido difosfato 1 de Trypanosoma cruzi, un potencial blanco de drogas. (2024)
7. INFLUENCIA DE LA LINFOPOYETINA ESTROMAL TÍMICA (TSLP) EN LA FISIOLOGÍA DE LAS CÉLULAS INMUNES: RELEVANCIA EN LA PATOGENIA DE LOS TUMORES CEREBRALES. (2024)
8. EFECTO DE LA ORGANIZACIÓN CROMATÍNICA SOBRE LA ACTIVIDAD REPARADORA DE LAS TIROSIL-ADN-FOSFODIESTERASAS EN RESPUESTA A VENENOS DE TOPOISOMERASA II. (2024)
9. Detección y caracterización simultánea de los virus de Dengue, Zika y Chikungunya mediante el método de secuenciación basado en tecnología Nanopore. (2024)

**Scientific Media**

<https://imex.conicet.gov.ar/bioinformatica/>

<https://www.researchgate.net/profile/Martin-Ledesma>

<https://orcid.org/0000-0002-9080-2108>

**References**

Dra. Dolores E. López. Directora Lab. Trastornos Audiomotores. Instituto de Neurociencias de Castilla y León. Salamanca (España). [lopezde@usal.es](mailto:lopezde@usal.es)

Dra. Mariela Gironacci. IQUIFIB Institute (UBA-CONICET). Independent Researcher. [mariela@qb.ffyb.uba.ar](mailto:mariela@qb.ffyb.uba.ar)

Dra. María Victoria Miranda. NANOBIOTEC Institute (UBA-CONICET). Independent Researcher. [mvic@ffyb.uba.ar](mailto:mvic@ffyb.uba.ar)