VANESA GALASSI

PhD in Chemical Sciences
Adjoint Researcher in CONICET, Group of Simulations in Biophysics and Condensed Soft Matter - ICB-UNCUYO
Adjoint Professor DS - FCEN-UNCUYO

CONTACT

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AWARDS

University Award

Best average mark of the Bachelor in Chemistry cohort 2007
Córdoba National University

Academic Merit Award

Best average mark of the Bachelor in Chemistry cohort 2007
Ministry of Social Development of Córdoba

POSGRADUATE TEACHING

Computational Biophysics Workshop

6to Meeting YIB[1]
Satellite of the L Annual Meeting of the Argentine Society of Biophysics, Rosario, Nov. 2022

1st AUGM Virtual School [2]

Biophysics of Model and Biological Membranes
Biophysical Disciplinary Nucleus – UNL, Apr.-Jun. 2021

SKILLS

Molecular Biophysics 15+ years

Teaching 15+ years

Linux 12+ years

Bash scripting 10+ years

Python 4+ years

[1]Young Initiative on Biophysics
[2]Association of Montevideo Group Universities

ACADEMIC FORMATION

PhD in Chemical Sciences — **2008 - 2013**
CIQUIBIC [1]**- CONICET**

Tesis: "Interactions of peripheral proteins FABPs with lipid membranes: the role of electrostatics" ; Rating: **Excellent**

Bachelor's Degree in Chemistry — **2003 - 2008**
FCQ[2]**- Córdoba National University (UNC)**

Overall averag: **9.58/10**. Undergraduate Thesis in fluorescence of membrane peripheral proteins.

EXPERIENCE IN TEACHING

Adjoint Professor (Simple Dedication - DS) — **Aug 17 - present**
FCEN[3]**- Cuyo National University (UNCUYO)**

In charge of Molecular Thermodynamics and part of teaching staff of Bioenergetics.

Teacher in "Cursinho Popular de Ingreso" — **Jul 15 - Mar 16**
Universidade de São Paulo, Brazil

Assistant Professor in Cheistry *Ad Honorem*.

Assistant Professor DS — **May 10 - Mar 13**
Biological Chemistry Department, FCQ - UNC

Practical Assignments in Chemical Biophysics and Laboratory IV [4]

Student Assistant — **Sep 06 - Aug 08**
Biological Chemistry Department, FCQ - UNC

Student assistant in Genetics Practical Works

EXPERIENCE IN RESEARCH

Assistant/Adjoint Researcher CONICET — **Jul 16 - present**
ICB[5]**- UNCUYO**

Assistant to Adjoint promotion in November 2020

Posdoctoral Fellow FAPESP[6] — **May 13 - Apr 16**
Chemistry Institute, Universidade de São Paulo

In the Group of Computational Chemistry, Biochemistry and Biophysics

[1]Research Center of Biologic Chemistry of Córdoba
[2]School of Chemical Sciences
[3]School of Exact and Natural Sciences
[4]Practical Assignments in Chemical Biology
[5]Interdisciplinary Institute of Basic Sciences
[6]Fundação de Amparo à Pesquisa do Estado de São Paulo

HR TRAINING

Doctoral Thesis of Bach. Micaela Sosa

PhD in Science and Technology, FCEN-UNCUYO
Apr. 2020 - present

Funded by CONICET fellowship (co-Supervisor of fellowship)

Undergraduate thesis of Joaquín Puchol

Undergraduate Research Seminar FCEN-UNCUYO
Jun. 2020 - present

Funded by EVC-CIN [3] fellowship and advance student fellowship of SIIP

Undergraduate thesis of Micaela Sosa

Undergraduate Research Seminar FCEN-UNCUYO
Jun. 2019 - Mar. 2020

Funded by EVC-CIN fellowship

EXTENSION

ICB Communication and Divulgation Committee

Organization and divulgation of ICB scientific seminars and maintenance of social networks since June 2020

Technical Education Day

Captain Vázquez Technical School, Mendoza
Divulgation talk: "The barriers of life: Biophysics of transport in model biological membranes"

FCEN Scientific Seminars

Organization and divulgation of scientific seminars of the FCEN Aug. 2017 - Dec. 2018.

Cycle Nobel Prize 2016

FCEN - UNCUYO
Talk allusive to the Nobel Prize in Chemistry 2016: "Molecular Machines: Molécules with Controlled Movement", Nov. 2016

[3]Encouragement of Scientific Vocations of the National Interuniversity Council

PUBLISHED ARTICLES (LAST 4 YEARS)

Yeast Svf1 binds ceramides and contributes to sphingolipid metabolism at the ER cis-Golgi interface — SCI- IF 10.539
Journal of Cell Biology (ISSN: 0021-9525) 222(5), 2023

Limar S., Korner C., Martínez-Montañés F., Stancheva V., Wolf V., Walter S., Miller E., Ejsing C., Galassi V., and Fröhlich F.

On the coupling between mechanical properties and electrostatics in biological membranes" — SCI - IF 4.562
Journal Name (ISSN: 2077-0375) Vol 11, Issue 7, 2021

Galassi VV., Wilke N.

Tunneling and Nonadiabatic Effects on a Proton-Coupled Electron Transfer Model for the Qo Site in Cytochrome bc1 — SCI - IF 6.162
Journal of Chemical Information and Modeling (ISSN: 1549-9596) Vol 61, Issue 4, 2021

Camilo SRG., Curtolo F., Galassi VV., Menegon Arantes G.

Hopanoids like sterols form compact but fluid films — SCI - IF 4.331
Langmuir (ISSN: 1520-5827) Vol 35, Issue 30, 2019

Mangiarotti A., Galassi V., Puentes E., Oliveira R., Del Pópolo M., Wilke N.

Mechanisms of Iodide-Triiodide Exchange Reactions in Ionic Liquids: A Reactive Molecular-Dynamics Exploration — SCI - IF 6.208
International Journal of Molecular Sciences (ISSN: 1422-0067) Vol 20, Issue 5, 2019

Byrne A., Bringa E., Del Pópolo MG., Kohanoff J., Galassi VV., English NJ.

CURRENT FUNDED PROJECTS

Optical response of voltage sensitive dyes from a computational approach – rational design of probes for electric activity of excitable membranes — PIBAA 2022-2023
Biennial Research Projects for recently admitted Assistant and Adjoint Researchers at CONICET.

Annual Budget: Ar$225.000. Duration: 2 years

Contribution to the rational design of electric activity probes for excitable membranes through the simulation of the optical response of voltage sensitive dyes — SIIP-M018-2022
SIIP [7]Research Projects Type 1.

Annual Budget: Ar$40.000. Duration: 2 years

Interaction of molecules of biological and farmacological interest with biomembranes: modulation and response to interfacial electric field — PICT-2020-03221
Scientific and Techological Research Projects of FONCyT [8]Group of Recent Formation.

Annual Budget: Ar$470.000. Duration: 3 años.

[7]Secretariat of Research, International and Posgraduate of UNCUYO Rectory
[8]Fund for Scientific and Technological Research of the Argentinian National Agency for the Promotion of Research, Technological Development and Innovation.