

GISELA SOLEDAD GUALDONI



CURRENT POSITION

Sept 2021
|
Sept 2019

Postdoctoral training ANPyCT

Faculty of Exact and Natural Sciences, University of Buenos Aires

📍 Bs. As., Arg.

- Biology of Reproduction in mammals: male reproductive physiopathology, gonadal dysfunction and infertility – Gestational-placental physiology.
- Advisor: Dr. Elisa Cebral

Present
|
March 2016

Assistant teacher of Histology

Faculty of Medicine, University of Buenos Aires.

📍 Bs. As., Arg.



EDUCATION

July 2019
|
June 2014

Ph.D. in Biological Sciences

Faculty of Exact and Natural Sciences, University of Buenos Aires

📍 Bs. As., Arg.

- Dissertation: Does angiogenesis contribute to the perpetuation of a chronic inflammatory state of the testicle that results in infertility?
- INBIOMED (CONICET/UBA), Faculty of Medicine, University of Buenos Aires
- Advisor: Dr. Vanesa Guazzone

May 2014
|
March 2007

Licenciate in Biological Sciences

Faculty of Exact and Natural Sciences, University of Buenos Aires

📍 Bs. As., Arg.

- Dissertation: Indolamine 2,3-dioxygenase (IDO): Participation in the testicular immune-privilege.
- INBIOMED (CONICET/UBA), Faculty of Medicine, University of Buenos Aires
- Advisor: Dr. Vanesa Guazzone

Dec 2006
|
March 2003

Secondary School graduate

Nuestra Señora de Belén

📍 Bs. As., Arg.

- Bachiller



POSTGRADUATE COURSES

Nov 2021
|
Nov 2020

The placenta: origin of chronic diseases in adults (60hs)

Faculty of Pharmacy and Biochemistry, University of Buenos Aires

📍 Bs. As., Arg.

March 2021
|
March 2020

Embryo-Placental Development Biology. Abnormal events and teratogenicity (109hs)

Faculty of Exact and Natural Sciences, University of Buenos Aires

📍 Bs. As., Arg.

CONTACT

✉️ giselagualdoni@gmail.com

📅 DNI: 34.139.457

📍 Born: 31/12/1988, Argentina

📍 Home address: Rivera 951,
Ituzaingó (1714)

⌚ [Laboratory of Reproduction and
Maternal-Embryonic Physiology
\(LARFIMAE\)](#)

📞 (+54 11) 528-58608

Made with the R package [pagedown](#)
and [datadrivencv](#)

Last updated on 2020-11-05.

July 2019 July 2018	● Statistics applied to health sciences (88hs) Faculty of Pharmacy and Biochemistry, University of Buenos Aires	📍 Bs. As., Arg.
June 2019 June 2018	● Optical and Fluorescence Microscopy I (80 hs) Faculty of Exact and Natural Sciences, University of Buenos Aires	📍 Bs. As., Arg.
April 2019 April 2018	● Theoretical-practical course on Oxygen Toxicity and Free Radicals (72hs) Faculty of Exact and Natural Sciences, University of Buenos Aires	📍 Bs. As., Arg.
April 2018 April 2017	● Theoretical-practical course in cell biology of the endothelium. Dynamics of the vascular extracellular matrix (48hs) Faculty of Pharmacy and Biochemistry, University of Buenos Aires	📍 Bs. As., Arg.
July 2018 July 2017	● Experimental design and work of the sample in essays with laboratory animals XII edition (40hs) Central Bioterium of the Faculty of Exact and Natural Sciences, University of Buenos Aires	📍 Bs. As., Arg.
Oct 2017 Oct 2016	● Theoretical-practical course of Animal Tissue Culture - Applications in Biotechnology (135hs) Institute of Oncology Angel Roffo, University of Buenos Aires	📍 Bs. As., Arg.
July 2017 July 2016	● Laboratory Animals XVIII edition (80hs) Central Bioterium of the Faculty of Exact and Natural Sciences, University of Buenos Aires	📍 Bs. As., Arg.
Nov 2016 Nov 2015	● Theoretical-practical basis of flow cytometry (40hs) Auditorium of the Official College of Pharmacists and Biochemists	📍 Bs. As., Arg.

☰ RESEARCH PROJECTS AND ACTIVITIES

March 2021 Dec 2018	● Cellular processes that occur during implantation and placentation in domestic carnivores. Basic aspects and implications (ANPyCT, PICT-2017-3530) Livestock and Fishing Technology, National University of La Plata • Role: Postdoctoral fellow	📍 Bs. As., Arg.
Dec 2019 March 2019	● Is vitamin D3 capable of modulating the immune response in a condition of chronic testicular inflammation? (ADUBA, Scholarship for a Research Project for teachers of the University of Buenos Aires) INBIOMED, Faculty of Medicine, University of Buenos Aires • Role: Principal researcher	📍 Bs. As., Arg.
March 2019 Dec 2018	● Pathogenesis of Autoimmune Orchitis: Is there a relationship between HMGB1 and the angiogenesis process during inflammation? (UBACyT 20020170100307BA) INBIOMED, Faculty of Medicine, University of Buenos Aires • Role: doctoral fellow	📍 Bs. As., Arg.

Technical Skills

- Histology techniques:** (paraffin, cryostat)
- Immunohistochemistry:** IP, IF, TUNEL
- Histopathology**
- Morphometric analysis** (Image J, Adobe Photoshop)
- RT-PCR**
- Western Blot**
- ELISA**
- Enzymatic zymography**
- Oxidative stress techniques**
- Animal handling** (mouse, rat)
- Cell culture** (testicular explants)

- March 2017 | Dec 2014
- **Varicocele: Role of the immune response in the etiology of the disease (UBACyT 2014-2017 GEF)**
INBIOMED, Faculty of Medicine, University of Buenos Aires
 📍 Bs. As., Arg.
 - Role: doctoral fellow
- March 2014 | May 2012
- **Mechanisms and factors involved in angiogenesis in the normal testis and in inflammatory conditions (PIP-CONICET 930)**
INBIOMED, Faculty of Medicine, University of Buenos Aires
 📍 Bs. As., Arg.
 - Role: Undergraduate fellow
- March 2014 | Dec 2012
- **Study of the pathogenic role of IL-17 in the rat testis with chronic inflammation (UBACyT 20020130200130BA)**
INBIOMED, Faculty of Medicine, University of Buenos Aires
 📍 Bs. As., Arg.
 - Role: Undergraduate fellow
- March 2013 | Dec 2011
- **Indolamine 2,3-dioxygenase (IDO): Participation in the testicular immune-privilege (UBACyT 20020100200040)**
INBIOMED, Faculty of Medicine, University of Buenos Aires
 📍 Bs. As., Arg.
 - Role: Undergraduate fellow



PUBLICATIONS

- 2020
- **Perigestational alcohol consumption induces altered early placentation and organogenic embryo growth restriction by disruption of trophoblast angiogenic factors.**
 - Gualdoni GS, Ventureira MR, Coll TA, Palomino WA, Barbeito C, Cebral E
 - Reproductive BioMedicine Online, in press.
 - DOI [10.1016/j.rbmo.2020.10.015](https://doi.org/10.1016/j.rbmo.2020.10.015)
- 2019
- **Role of indoleamine 2, 3 - dioxygenase (IDO) in testicular immune-privilege.**
 - Gualdoni GS, Jacobo PV, Sobarzo CM, Pérez CV, Matzkin ME, Höcht C, Frungieri MB, Hill M, Anegon I, Lustig L, Guazzone VA
 - Scientific Reports, 1, 15919.
 - DOI [10.1038/s41598-019-52192-8](https://doi.org/10.1038/s41598-019-52192-8)
- 2015
- **Dual roles of endogenous and exogenous galectin-1 in the control of testicular immunopathology.**
 - Pérez CV, Gómez L, Gualdoni GS, Lustig L, Rabinovich G, Guazzone VG
 - Scientific Reports, 5, 12259.
 - DOI [10.1038/srep12259](https://doi.org/10.1038/srep12259)

Languages

Spanish: Native

English: Upper Intermediate

- 2020 ● **Relevance of angiogenesis in autoimmune testis inflammation.**
- Gualdoni GS, Jacobo PV, Sobarzo CM, Pérez CV, Haro Durand LA, Theas MS, Lustig L, Guazzone VA
 - Molecular Human Reproduction, in press.
- 2020 ● **Comparative involvement of matrix metalloproteinases in trophoblast invasiveness during endotheliocorial and haemochorionic placentation**
- Gualdoni GS, Diessler M, Gomez Castro G, Hernández R, Barbeito C, Cebral E
 - Trophoblast Research of Placenta, Review by invitation. In press.
- 2020 ● **Maternal perigestational alcohol consumption up to early mouse gestation induces fetal malformation and abnormal placental development.**
- Pérez-Tito L, Gualdoni GS, Sobarzo C, Bevilacqua E, Cebral E (*: equal contribution)
 - In preparation

🏆 GRANTS, AWARDS AND FELLOWSHIPS

- Sept 2021 | Sept 2019 ● **Postdoctoral Fellow**
IBBEA, Faculty of Exact and Natural Sciences, University of Buenos Aires  Bs. As., Arg.
 - National Agency of Scientific and Technical Promotion (ANPyCT)
 - Advisor: Dr. Elisa Cebral
- April 2019 | June 2014 ● **Doctoral Fellow**
INBIOMED, Faculty of Medicine, University of Buenos Aires  Bs. As., Arg.
 - National Council for Scientific and Technical Research (CONICET)
 - Advisor: Dr. Vanesa Guazzone
- Nov 2020 ● **Travel Fellowship**
II International Scientific Meeting, VII Regional Scientific Meeting, VI National Congress of Laboratory Animal Science and Technology  Rosario, Arg.
 - Argentine Association of Science and Technology of Laboratory Animals (AACYTAL)
 - Attendant
 - Sponsored by LAB DIET/SERVIVET
- Nov 2019 ● **Travel Fellowship**
9th International Meeting of LASBRA: Determinants of Alcoholism: bridging the gap between epidemiological and basic research  Córdoba, Arg.
 - Latin American Society for Biomedical Research on Alcoholism (LASBRA)
 - Attendant

- Sept 2017
- **Travel Assistance Award**
37th Annual Meeting of ASRI: Bridging Immunity with Infection, Inflammation and
Implantation for Better Reproductive Health
 - American Society for Reproductive Immunology (ASRI)
 - Attendant
- 📍 Chicago, USA
- Sep 19,
2019
- **First Prize in the area “Scientific Production of Knowledge”**
2nd Conference: Problematic Consumption of Substances and Alcohol,
“Accessibility to care. A perspective of rights”
 - Effects of alcohol consumption on the maternal and paternal germ line and early embryo-placental teratogenic risk.
 - Gualdoni GS, Ventureira MR, Cebral E
- 📍 Bs. As., Arg.

SELECTED TALKS AND SCIENTIFIC PRESENTATIONS

- Sept 2020
- **Dysregulation of labyrinthine angiogenesis-vascularization and embryo-feto-placental growth in a preclinical model of maternal alcohol consumption.**
IV Joint Meeting of Biological Societies of the Argentine Republic (SAB): New
Evidences and Changes in Paradigms in Biological Sciences
 - Gualdoni GS, Ventureira M, Barbeito C, Cebral E. Abstract book SAB, p. 207, 2020.
 - Poster presentation
 - National meetings
- 📍 Bs. As., Arg.
- Aug 2020
- **Fetal placental-heart disease and angiogenesis in a murine model of maternal alcohol intake.**
III Colombian Symposium on Placenta and Maternal-Fetal Interaction 📍 Cali, Col.
 - Gualdoni GS, Ventureira MR, Cebral E. Rev. Universitas Médica, <https://revistas.javeriana.edu.co/index.php/vnimedica/article/view/31151>
 - Poster presentation
 - International meetings
- Nov 2019
- **Placental dysmorphology and abnormal angiogenesis at mid- and late gestation following maternal alcohol consumption in mouse.**
IXI LASBRA International Meeting, Determinants of Alcoholism: bridging the gap
between epidemiologic and basic research 📍 Córdoba, Arg.
 - Gualdoni GS, Ventureira MR, Barbeito C, Elisa Cebral E. The Journal of Fetal Alcohol
Spectrum Risk & Prevention (JFASRP), e57, doi: 10.22374/jfasrp.v2i1.7
 - Poster presentation
 - International meetings

Nov 2019

● **Long-term fetal developmental alterations and cardiopathy associated with oxidative stress induced after perigestational alcohol consumption up to organogenesis, in mouse.**

IXI LASBRA International Meeting, Determinants of Alcoholism: bridging the gap between epidemiologic and basic research

📍 Córdoba, Arg.

- Ventureira MR, Elía E, Gualdoni GS, Cebral E. The Journal of Fetal Alcohol Spectrum Risk & Prevention (JFASRP), e76, doi: 10.22374/jfasrp.v2i1.7
- Poster presentation
- International meetings

Sept 2019

● **Placenta–heart axis: abnormal cardiovascular development and VEGF expression after perigestational alcohol intake at mid-gestation in mouse.**

International Federation of Placenta Associations (IFPA) and 8th Latin American Symposium on Maternal-Fetal Interaction and Placenta (VIII SLIMP)

📍 Bs. As., Arg.

- Ventureira MR, Sobarzo C, Gualdoni GS, Barbeito C, Cebral E. Placenta, 83,1–118, 2019.
- Poster presentation
- International meetings

Nov 2018

● **Melatonin treatment prevents the progression of experimental autoimmune orchitis in rats.**

Meeting of the Argentine Society for Clinical Research (SAIC) and the Argentine Society of Physiology (SAFIS)

📍 Bs. As., Arg.

- Mendez CS, González LN, Gualdoni GS, Imsen M, Amarilla MS, Sobarzo C, Lustig L, Jacobo PV, Theas MS. Rev. Medicina 78 (III), 244, 2018.
- Poster presentation
- National meetings

Nov 2017

● **Factors involved in the angiogenic process in the testis under chronic inflammation.**

Meeting of the Argentine Society for Clinical Research (SAIC) and the Argentine Society of Physiology (SAFIS)

📍 Mar del Plata, Arg.

- Jacobo PV, Pérez CV, Gualdoni GS, Sobarzo CM, Lustig L, Guazzone V, Theas MSu. Rev. Medicina 77 (1937), 532, 2017.
- Poster presentation
- National meetings

Sept 2017

● **Relevance of angiogenesis in autoimmune testis inflammation.**

37th Annual Meeting of ASRI

📍 Chicago, USA

- Gualdoni GS, Jacobo P, Sobarzo CM, Theas MS, Lustig L, Guazzone VA. Annual ASRI Book, 78 (1), 38, 2017.
- Oral presentation
- International meetings

- Nov 2015
- **Relevance of the angiogenesis phenomenon in the development of an experimental autoimmune orchitis associated with infertility.**
Meeting of the Argentine Society for Clinical Research (SAIC) and the Argentine Society of Physiology (SAFIS)
 Mar del Plata, Arg.
 - Gualdoni GS, Jacobo P, Sobarzo CM, Lustig L, Theas MS, Guazzone VA. Rev. Medicina 275 (192), 143, 2015.
 - Poster presentation
 - National meetings
- Sept 2015
- **Role of indolamine 2,3-dioxygenase (IDO) in testicular immune-privilege.**
IMMUNOCOLOMBIA2015, 11th Congress of the Latin American Association of Immunology
 Medellin, Col.
 - Gualdoni GS, Jacobo PV, Sobarzo CM, Hotch C, Hill M., Anegon I, Lustig L, Guazzone VA. Front. Immunol. doi:10.3389/conf.fimmu.2015.05.00105, 2015
 - Poster presentation
 - International meetings
- June 2013
- **Endogenous Galectin-1 controls testicular pathology through modulation of germ cells apoptosis.**
14th International Symposium for Immunology of Reproduction
 Boston, USA
 - Pérez CV, Gómez L, Gualdoni GS, Rabinovich G, Lustig L, Guazzone VA. American Journal of Reproductive Immunology 69 (2), 59, 2013.
 - Poster presentation
 - International meetings
- Nov 2011
- **Preclinical experimental murine models for the detection and evaluation of gametic-embryonic abnormalities after maternal alcohol consumption.**
II International Scientific Meeting, VII Regional Scientific Meeting, VI National Congress of AACYTAL
 Rosario, Arg.
 - Gualdoni GS, Ventureira MR, Sobarzo C, Cebral E
 - Poster presentation
 - National meetings
- Oct 2018
- **Does angiogenesis contribute to the perpetuation of a chronic inflammatory state of the testicle that results in infertility?**
INBIOMED, Faculty of Medicine, University of Buenos Aires
 Bs. As., Arg.
 - Seminars
- May 2015
- **Indolamine 2,3-dioxygenase (IDO): Participation in the testicular immune-privilege.**
INBIOMED, Faculty of Medicine, University of Buenos Aires
 Bs. As., Arg.
 - Seminars



TEACHING EXPERIENCE

March
2020

- **Assistant teacher**

Department of Biodiversity and Experimental Biology, Faculty of Exact and Natural Sciences, University of Buenos Aires

📍 Bs. As., Arg.

- Biology of embryo-placental development. Abnormal events and teratogenicity
- Postdoctoral Course teaching

Present
|
March
2019

- **Assistant teacher**

2nd Chatedra of Histology, Embriology, Celular Biology and Genetics, Faculty of Medicine, University of Buenos Aires

📍 Bs. As., Arg.

- Histology
- Undergraduate teaching

March
2017
|
Aug 2016

- **Assistant teacher**

Department of Biodiversity and Experimental Biology, Faculty of Exact and Natural Sciences, University of Buenos Aires

📍 Bs. As., Arg.

- Compared Animal Physiology
- Undergraduate teaching

March
2015
|
March
2013

- **Assistant teacher**

Department of Biodiversity and Experimental Biology, Faculty of Exact and Natural Sciences, University of Buenos Aires

📍 Bs. As., Arg.

- Introduction to Zoology, Animal Histology, Compared Endocrinology
- Undergraduate teaching

Present
|
March
2019

- **Teaching staff in Biological Sciences (Middle and Higher Education in Biology specialty)**

Faculty of Exact and Natural Sciences, University of Buenos Aires

📍 Bs. As., Arg.

- Pedagogical training

June 2020

- **The design of the teaching proposal in a virtual environment**

Faculty of Medicine, University of Buenos Aires

📍 Bs. As., Arg.

- Pedagogical training

Dec 2015
|
March
2015

- **Assistant School for Histology**

2nd Chatedra of Histology, Embriology, Celular Biology and Genetics, Faculty of Medicine, University of Buenos Aires

📍 Bs. As., Arg.

- Pedagogical training

July 2019
|
July 2018

- **Training of Martín Pizzini, Medical student, Faculty of Medicine**

INBIOMED, University of Buenos Aires

📍 Bs. As., Arg.

- Training and qualification of undergraduate students

March
2019
|
March
2017

- **Training of Sheila Castañeda, Biotechnology student, UADE**
INBIOMED, University of Buenos Aires
 - Training and qualification of undergraduate students

📍 Bs. As., Arg.

Present
|
Sept 2019

👉 NETWORKS AND DISSEMINATION

- **Member of the national intersectoral network: “Promotion Team for Intersectoral Prevention of Alcohol Consumption” (EPPICA)**

📍 Bs. As., Arg.