



CURRICULUM VITAE

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EDUCACION Y GRADOS ACADÉMICOS

- Tecnólogo Médico con mención en Laboratorio Clínico, Hematología y Banco de Sangre
- Doctor en Ciencias con mención en Biología Celular y Molecular Aplicada
- Magíster en Ciencias con mención en Biología Celular y Molecular Aplicada
- Licenciado en Tecnología Médica

EXPERIENCIA PROFESIONAL

- Investigadora del Centro de Excelencia en Medicina Traslacional
- Académica del Departamento de Medicina Interna

PUBLICACIONES

- Moya C, Rivera-Concha R, Pezo F, Uribe P, Schulz M, Sanchez R, Hermosilla C, Taubert A, Ulrich Gärtner and Zambrano F. **Adverse Effects of Single Neutrophil Extracellular Trap-Derived Components on Bovine Sperm Function.** *Animals (Basel)*. 2022 May 20;12(10):1308. doi: 10.3390/ani12101308.
- Uribe P, Meriño J, Matus CE, Schulz M, Zambrano F, Villegas JV, Conejeros I, Taubert A, Hermosilla C, Sanchez R. **Autophagy is activated in human spermatozoa subjected to oxidative stress and its inhibition impairs sperm quality and promotes cell death.** *Hum Reprod*. 2022 Apr 1;37(4):680-695. doi: 10.1093/humrep/deac021
- Zambrano F, Namuncura C, Uribe P, Schulz M, Pezo F, Burgos RA, Taubert A, Hermosilla C, Sanchez R. **Swine spermatozoa trigger aggregated neutrophil extracellular traps leading to adverse effects on sperm function.** *J Reprod Immunol*. 2021 Aug;146:103339. doi: 10.1016/j.jri.2021.103339.
- Pezo F, Zambrano F, Uribe P, Moya C, de Andrade AFC, Risopatron J, Yeste M, Burgos RA, Sánchez R. **Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. I: Protective effect of melatonin and butylhydroxytoluene on sperm function.** *Res Vet Sci*. 2021 May;136:143-150. doi: 10.1016/j.rvsc.2021.02.006.
- Pezo F, Yeste M, Zambrano F, Uribe P, Risopatron J, Sánchez R. **Antioxidants and their effect on the oxidative/nitrosative stress of frozen-thawed boar sperm.** *Cryobiology*. 2021, Feb;98:5-11. DOI: 10.1016/j.cryobiol.2020.11.007.
- Zambrano F, Silva L, Uribe P, Gärtner U, Taubert A, Schulz M, Sánchez R, Hermosilla C. **SOCE-inhibitor reduced human sperm-induced formation of neutrophil extracellular traps.** *Reproduction*. 2021, Jan;161(1):21-29. doi: 10.1530/REP-20-0185.

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- Zambrano F, Schulz M, Pilatz A, Wagenlehner F, Schuppe H, Conejeros I, Uribe P, Taubert A, Sánchez R & Hermosilla C. **Increase of leucocyte-derived extracellular traps (ETs) in semen samples from human acute epididymitis patients-a pilot study.** *J Assist Reprod Genet*. 2020 Sep;37(9):2223-2231. DOI: 10.1007/s10815-020-01883-7.
- Schulz M, Risopatrón J, Uribe P, Isachenko E, Isachenko V & Sanchez R. **Human sperm vitrification: A scientific report.** *Andrology* 2020 Nov;8(6):1642-1650. doi: 10.1111/andr.12847
- Uribe P, Cárcamo C, Navarro E, Sepúlveda J, Zambrano F, Schulz M & Sanchez R (2020). **Protective effect of the superoxide dismutase mimetic MnTBAP during sperm vitrification process.** *Andrologia* 2020 Oct;52(9):e13665. doi: 10.1111/and.13665.
- Uribe P, Meriño J, Manquemilla E, Villagrán C, Vega E, Zambrano F, Schulz M, Pezo F, Villegas JV, Boguen R & Sanchez R. **Multiparameter Flow Cytometry Assay for Analysis of Nitrosative Stress Status in Human Spermatozoa.** *Cytometry A*. 2020 Dec;97(12):1238-1247. doi: 10.1002/cyto.a.24170.
- Namuncura C, Sanchez R, Pezo F, Uribe P, Navarro P & Zambrano F. **Rest days and storage of boar semen at 17°C: Effect on motility and sperm concentration.** *Andrologia* 2020 Jul;52(6):e13578. DOI: 10.1111/and.13578.
- Uribe P, Meriño J, Bravo A, Zambrano F, Schulz M, Villegas JV & Sanchez R. **Antioxidant effects of penicillamine against in vitro-induced oxidative stress in human spermatozoa.** *Andrologia* 2020 Jun;52(5):e13553. DOI: 10.1111/and.13553.
- Sánchez R, Zambrano F, Uribe P. Chapter 9 " **Capacitation and Acrosome Reaction: Fluorescence Techniques to Determine Acrosome Reaction**" In: Manual of Sperm Function Testing in Human Assisted Reproduction. Editorial: Cambridge University Press. País: Reino Unido. 2021, Páginas 72-80. DOI: 10.1017/9781108878715.012



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