

Curriculum Vitae - Andrés Couve, PhD

2023

Personal Information

Date of birth: October 23, 1968
Country of citizenship: Chile
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Current position: Full Professor, Department of Neuroscience, Facultad de Medicina, Universidad de Chile, Santiago, Chile; Professor Facultad de Gobierno, Universidad de Chile

Training

1997-2003: Post-doctoral Fellow, MRC/LMCB, University College London, laboratory Dr. Stephen J. Moss
1992-1997: Ph.D. program in Cell Biology, Department of Cell Biology and Anatomy, Mount Sinai School of Medicine, New York. Thesis Drs. Jeanne Hirsch and Jeffrey Gerst
1986-1991: B.Sc. Biological Sciences (Licenciatura), Pontificia Universidad Católica de Chile, Santiago, Chile

Positions (selected)

2022-present: Professor, Facultad de Gobierno, Universidad de Chile, Santiago, Chile
2012-present: Full Professor, Department of Neuroscience, Facultad de Medicina, Universidad de Chile, Santiago, Chile
2018-2022: Minister of Science, Technology, Knowledge and Innovation
2010-2018: Director Millennium Institute Biomedical Neuroscience Institute (BNI)

Honors and Awards (selected)

- 2022: Franz Edelman Award: during the COVID-19 crisis, the Chilean Ministries of Health and Science partnered with the Instituto Sistemas Complejos de Ingeniería (ISCI) and the telecom company Entel to develop innovative methodologies and tools that placed operations research and analytics at the forefront of the battle against the pandemic
- 2017: Andrés Concha Award: Sociedad de Fomento Fabril (SOFOFA)

National Committees (selected)

- 2015-2017: President Chilean Society for Cell Biology
- 2015: Member of the Presidential Committee for the Development of Science, Technology and Innovation

Editorial Boards

- 2010-2018: Frontiers in Synaptic Neuroscience

Directory Boards

- 2022-present: Centro Nacional en Sistemas de Información en Salud
- 2018-2018: Grupo de Innovación SOFOFA
- 2016-2018: Fundación Puerto de Ideas

Grants (selected 5 previous years)

- 2017-2018: FONDECYT Regular Grant, Reference N° 1170307
Principal Investigator
- 2011-2018: Iniciativa Científico Milenio (ICM), Biomedical Neuroscience Institute (BNI), Principal Investigator
- 2018-2018: Red de colaboración NeuroSur: un cerebro para América Latina/CYTED, Principal Investigator

More than **20** executed grants between 2004-2022

Fellowships (selected)

- 2006: Human Frontiers Science Program Organization, Short Term Fellowship Reference N° ST00105/2005-C

1997-1999:

Travelling Research Fellowship, The Wellcome Trust, UK
Reference N° 050036/Z/97/Z/JMW/JPS/CG

Training of Young Investigators

7 postdoctoral fellows, **16** PhD students, **4** Master students and **7** undergraduate students between 2004-2022.

Teaching Graduate Programs

Teaching at leading national universities: Neuroscience and Neuropharmacology, Cellular Physiology, Neuroscience, Cellular and Molecular Bases of Neurobiology, 3D-Microscopic Imaging.

Teaching Undergraduate Programs

Teaching at the Faculty of Medicine: Cell Biology, Physiology (neuroscience and cardiovascular), General Physiology, Integrated Physiology

Teaching at the Faculty of Government: Topics in applied research

Outreach Activities, Science Writing and Media (selected)

Regular appearances in national and international media.

Invited speaker general audience conferences: Congreso del Futuro/Santiago and Punta Arenas, Puerto de Ideas Festival/Antofagasta, and a variety of additional non-specialized science meetings.

Science writing: De los límites a las fronteras, o la esencia de la transgresión en ciencia. Principia. Sept 7, 2017.

Scientific Producer: *Loligo*, the outreach program of the Biomedical Neuroscience Millenium Institute (BNI) (www.loligo.cl).

Scientific Producer: Mentes Transformadoras, a meeting with 6 outstanding scientists, including 3 Nobel Prizes, to share the value of science and scientists with the general public.

Scientific Producer: scientific conferences Centro de Estudios Públicos (CEP).

Publications in Scientific Journals (selected)

Cornejo, V.H., González, C., Campos, M., Vargas-Saturno, L., Juricic, MA., Miserey-Lenkei, S., Pertusa, M., Madrid, R., and Couve, A. (2020). Non-conventional axonal organelles control TRPM8 ion channel trafficking and peripheral cold sensing. *Cell Reports* 30 (13).

González C, Cornejo VH, Couve A. (2018). Golgi bypass for local delivery of axonal proteins, fact or fiction? *Curr Opin Cell Biol.* 6;53:9-14.

De Gregorio, C., Delgado, R., Ibacache, A., Sierralta J., Couve, A. (2017). Drosophila Atlantin in motor neurons is required for locomotion and presynaptic function. J Cell Sci. 130(20):3507-3516.

54 publications in high impact factor journals such as Nature Neurosci; Neuron; J. Biol. Chem; , Proc. Natl. Acad. Sci. USA; Mol. Cell. Biol; J. Neurosci; etc. Attendance to more than **30 scientific conferences**.

Science Policy Publications (selected)

Couve, A.; Farías, L.; Moraga, P.; Moreno, R. y Olivares, M. (2023). Co-creación de conocimiento para minimizar impactos socio-ambientales y viabilizar la inversión: nueva normativa aplicable a una desalinización sustentable. Vicerrectoría de Investigación y Desarrollo de la Universidad de Chile, Santiago.

Capella, D; Couve, A.; Duarte, F. y Huneeus, A. (2023). Pesquisa de Clamidia, Infección de Transmisión Sexual que Daña a las Mujeres. Vicerrectoría de Investigación y Desarrollo de la Universidad de Chile, Santiago.