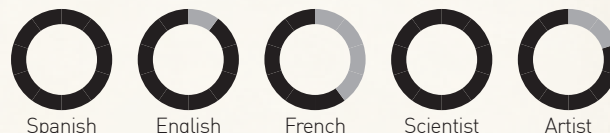


**Address**265 Rue Laverendrye
Longueuil, QC, J4G 2S1, Canada**Contact**+1 438 838 8831
cristian.zaelzer@gmail.com**EDUCATION**

- 2009 Ph.D. Molecular and Cell Biology.**
Universidad Austral de Valdivia, 10/2009. Valdivia, Chile.
- 2003 B.Sc. Medical Technology, Health Sciences & Molecular Biology.**
Universidad de la Frontera, 12/2003. Temuco, Chile.
- 1995 Graphic Designer.**
Self-Taught and Mentored in Punto UNO Advertising, 02/1995. Chile.
- 1994 Minor in Computer Science.**
Liceo Politécnico de Pueblo Nuevo, 12/1994. Temuco, Chile.

LANGUAGE SKILLS**Scientist****WORK EXPERIENCE**

Research Associate.
RI-MUHC // BRAIN Program, 12/2014-Today.
Montreal, Canada.



Postdoctoral Fellow.
McGill University & RI-MUHC, 10/2009-12/2014.
Montreal, Canada.



PhD Student.
University of Chicago // Universidad Austral de Chile, 07/2007-02/2009. Chicago, USA.
06/2004-10/2009. Valdivia, Chile.



Research Assistant.
Centro de Estudios Científicos, 05/2003-05/2004.
Valdivia, Chile.



Research Assistant.
Universidad de la Frontera, 01/2002-12/2002.
Temuco, Chile.

SELECTED PEER REVIEWED PUBLICATIONS

Detection of activity-dependent vasopressin release from neuronal dendrites and axon terminals using sniffer cells. **J.Neurophysiol.** [2018]. Sept 1st, 120(3): 1386-1396.

Clock-driven vasopressin neurotransmission mediates anticipatory thirst prior to sleep. **Nature** [2016]. Sept 29th, 537: 685-688.

$\alpha\beta 1$ subunit-induced structural rearrangements of the Ca^{2+} - and voltage-activated K^+ (BK) channel. **Proc. Natl. Acad. Sci. USA.** [2016] Jun 7; 113(23): E3231-3239.

Neurons diversify astrocytes in the adult brain through sonic hedgehog signaling. **Science.** [2016] Feb 19; 351(6275): 849-854.

ΔN -TRPV1: A Molecular Co-Detector of Body Temperature and Osmotic Stress. **Cell Rep.** [2015] Oct 6; 13(1): 23-30.

TEACHING EXPERIENCE

FoFA Concordia University.
DART 498, CART 498, DART 631, Convergence arts+neuroscience+society. Fall-Winter 2018-2019. Co-Instructor.
DART 461/4/BB, Independent studies arts+neuroscience.
Coordinated by prof. Philippa Langshaw. Winter 2017. Mentor.
Montreal, Canada.



Brock University.
BIOL 4P35, Biology of the Senses. Coordinated by Prof. Glenn Tattersall. Winter 2017. Invited professor. St Catherines, ON, Canada.



McGill University.
PHGY 311, Ion channels. Coordinated by prof. Reza Sharif. Fall 2016, 2018. Invited professor. Montreal, Canada.



Centre for Research in Neuroscience (CRN).
Neuroscience and Molecular Biology Laboratory. Teaching and mentorship. 2012-2017, Montreal, Canada.



Centro de Estudios Científicos.
CONYCIT Explora program. 2004, Valdivia, Chile.

AWARDS

Travel Award 11th International Conference in Cell Volume Regulation, Chicago, USA. (US\$500), 2016.

ICS BRAIN Star Award, INMHA-CIHR, Canada. (CAN\$1,500), 2016.

MECESUP Graduate fellowship. CONYCIT, Chile. (CAN\$42,873.60), 2004-2009.

Journal of Cell Science Travelling Fellowship Fund Winner (US\$3,900), 2007.

DID UACH FUND, Chile. (US\$2,000), 2006.

Outstanding Student Award, National Medical Technologist School Board. Temuco, Chile, 2001.

Science & Arts' Advocate

WORK EXPERIENCE

Founder & President.

Convergence, Perceptions of Neuroscience, 06/2016-Today. Montreal, Canada.



Conception and direction of a non-profit science outreach organization that establishes "two-way engagement" collaborations between neurosciences trainees and art students.

Coordination and facilitation between the institutions partners of the program. The BRaIN Program of the RI-MUHC, the McGill IPN Program, Concordia University FoFA, CAN, the MGH Foundation, and the Visual Voice Gallery.

Coordination and direction of funding, timelines, committee's management, speakers, and student's collaborations.

Contributor, mentoring, and adviser of 3-credits course-DART461 (2017). Convergence: Arts+Neuroscience. Concordia University.

Co-developer of DART498, CART498, and DART631 (2018-2019) Convergence: Arts+Neurosciences+Society Concordia University.

Coordination of the Convergence DCART Exhibitions 2017 & 2019 at the Visual Voice Gallery, BAnQ, the 11th Annual Meeting of the Canadian Association for Neuroscience, and Concordia FoFA Black Box.

Developer and coordinator of the Convergence Sci-Art Art-Sci Conferences series running from October 2017 to the present.

Designer, Photographer, and Producer of the Convergence Exhibitions Catalogue 2017 and 2019.

You can find a complete summary of the work I directed in Convergence in the following link: <https://www.convergenceinitiative.org/convergencecvcz>

Graphic Designer/Artist

WORK EXPERIENCE



Convergence, Perceptions of Neuroscience. 06/2016 – Present. Montreal, Canada.

Graphic design and videography portfolio in <https://www.convergenceinitiative.org/convergencecvcz>

Designer and administrator of the website www.convergenceinitiative.org

Designer and producer of the graphic material for Convergence, Neuroscience and Arts Events, the Convergence Sci-Art Art-Sci Conference Series, & the Convergence exhibitions catalogues.



Dreams & Nightmares Advertising Agency.

Founder & Director. 2003. Temuco & Valdivia, Chile.

Organized, managed and executed the Celtic Music Festival "Sonidos en la Bruma" that placed in scene more than seventy artists, performers and musicians



Punto UNO Advertising.

Art Director & Graphic Designer. 1995 – 1999. Temuco, Chile.

SELECTED TALKS

Creative Reactions 2018. The gap and the bridge: A Science-Art reunification. Part of Science Odyssey by NSERC. 05/2018.

March for Science 2018. Creativity, the Soul of Innovation. 04/2018

McGill University's Department of Psychology & Centre for Research on Brain, Language, and Music (CRBLM). A Science-Art Reunification: Using the Brain to Speak about Science. Brownbag Talk Series . 04/2018

Concordia University. The Gap and The Bridge, a Science-Art Reunification. 7th Annual Undergraduate Art History Conference, [Dis]CONNECT: Alineation & Art. 02/2018.

Bibliothèque et Archives nationales du Québec (BAnQ). Opening remarks of the Convergence Exhibition at the 11th Annual Meeting of CAN Outreach Day. 05/2017.

McGill University. The Engagement of Neurosciences and the Arts, The Convergence initiative. Gran Rounds talks, Department of Psychiatry, McGill University Faculty of Medicine. 05/2017 and 05/2018.

Journées Internationales de la Culture Scientifique. Scientific Literacy and Citizen Involvement: The Convergence of Science and Art. Symposium (organizer and participant). 05/2017.

Queen's University. The Convergence between Arts and Neuroscience. NeuGeneration Conference. 02/2017.

Brock University. The Convergence Initiative. Hosted by the Ph.D. in Interdisciplinary Humanities, Brock University. 02/2017.

Concordia University. Convergence, Perceptions of Neuroscience. "Blood, Brains + Other Trains: Thoughts on Emerging Collaborations & Camaraderie in the Arts+Sciences"

PUBLICATIONS

Convergence, Perceptions of Neuroscience. Exhibition Catalogues. May 2017 and May 2019 (Paper and Digital).

The convergence curriculum: Arts, neuroscience, and society. Poster. Zaelzer C.A., Forget B. 13th Annual Meeting of the Canadian Association for Neuroscience. Toronto, ON., Canada. May 22th to 25th, 2019.

The trans-disciplinary convergence course: Neuroscience, arts, and society. Poster. Zaelzer C.A., Forget B. 50th Annual Meeting of the Society for Neuroscience. Chicago IL., USA. Oct 19th to 23th, 2019.

Convergence, Perceptions of Neuroscience. Poster. Zaelzer C., Glassman K., Lessard A., Henault V., Brassard A., Jung-Hoo Park K., Langshaw P., Duclos R., Murai K. 11th Annual Meeting of the Canadian Association for Neuroscience. Montreal, QC., Canada. May 28th to May 31st, 2017.

Engagement of neurosciences and the arts, the Convergence initiative. Poster. Zaelzer C.A., Henault V., Lessard A., Langshaw P., Glassman K., Swintak C., Khalili-Mahani N., Brassard A., Jung-Hoo Park K., Salmon C., Forget B., Toth K., Duclos R., Murai K. 47th Annual Meeting of the Society for Neuroscience. Washington DC., USA. Nov 11th to Nov 15th, 2017.