Resume and Academic CV for Peter Devenyi
pdeve030@uottawa.ca

Bachelor of Fine Art (Cum Laude). University of Ottawa, Canada.

"Biological Foundations of Behavior". Lecture in neuroscience, Carleton University.

"Neurodevelopment and Plasticity". Lecture in neuroscience, Carleton University.

"Introduction to the Neuroscience of Psychiatric Disease". Lecture in neuroscience, Carleton University.

"Neural Determinants of Mental Health". Lecture in neuroscience, Carleton University.

"Sensory and Motor Neuroscience". Lecture in neuroscience, Carleton University.

"Cellular and Molecular Neuroscience". Lecture in neuroscience, Carleton University.

“Systems Neuroscience”. Lecture in neuroscience, Carleton University.

"The Neuroscience of Consciousness". Lecture in neuroscience, Carleton University.

“Neuroscience and Creativity”. Lecture in neuroscience, Carleton University.

"Scientific Writing in Neuroscience". Lecture in neuroscience, Carleton University.

“Hormones and Behaviour “. Lecture in neuroscience, Carleton University.

"Current Advances in Neuroscience: Brain Imaging". Undergraduate seminar in neuroscience, Carleton University. [Presentation: “Motivational Priming Theory” | Master's degree research grant proposal on parturition | Master's degree research grant proposal on athletic training]

"Neurobiology of Energy Homeostasis". Undergraduate seminar in neuroscience, Carleton University. [Presentation: “The Paleolithic Diet” | Theoretical article: “The Energy Homeostasis Principle and Neuroendocrinology”.]

"The Neurobiology of Depression". Undergraduate seminar in neuroscience, Carleton University. [Presentation: Peter Goodin et al., 2019. “Decreased Response to Positive Facial Aspect in a Depressed Cohort in the Dorsal Striatum During a Working Memory Task–a Preliminary fMRI Study “. *Frontiers in Psychiatry* | Doctoral research grant proposal: “Sensory Thalamic Dysregulation and the Treatment of Depression”.]

"Immune-Brain Interactions". Undergraduate seminar in neuroscience, Carleton University. [Presentation: Renaud Massart et al., 2016. “Overlapping signatures of chronic pain in the DNA methylation landscape of prefrontal cortex and peripheral T cells”. *Scientific Reports*]

"Neurobiology of Pain". Undergraduate seminar in neuroscience, Carleton University. [Presentation: Kejia Zhao et al., 2018. “Clostridium butyricum regulated visceral hypersensitivity of irritable bowel syndrome by inhibiting colonic mucous low grade inflammation through its action on NLRP6”. *Acta Biochimica et Biophysica Sinica*]

“Imagination in Natural and Artificial Neural Networks”. Graduate seminar in neuroscience, Carleton University. [Project (Presentation and theoretical article): “The Bioenergetic Imagination”.]

“The Neurobiology of Interoception”. Graduate seminar in neuroscience, Carleton University. [Presentation: Chen Ran et al., 2022. “A brainstem map for visceral sensations”. *Nature* | Theoretical article: “Classical Musical Interoceptive Performance”.]

“Fundamentals in Neuroscience”. Full-year graduate seminar in neuroscience, Carleton University. [Presentation: “Dr. Jesper Sjöström: Synaptic Plasticity in Natural Versus Artificial Neural Circuits”. | Presentation: Mattia Aime et al., 2022. “Paradoxical somatodendritic decoupling supports cortical plasticity during REM sleep”. *Science* | Theoretical article: “Self-Organization in the Primary Visual Cortex”.]

“Directed Readings in Neuroscience I”. Post-graduate independent research course in neuroscience, Carleton University. [Dissertation: “The Dysregulative Consolidation of Episodical Emotional Experience”.]

“Molecular Biology of the Neuron”. Eighth-year post-graduate seminar in neuroscience, University of Ottawa. [Presentation: Dongdong Zhang et al., 2024. “Synaptic-like transmission between neural axons and arteriolar smooth muscle cells drives cerebral neurovascular coupling”. *Nature Neuroscience* | Presentation: Ya-Dong Li et al, 2022. “Hypotgalam8c modulation of adult hippocampal neurogenesis in mice-confers activity-dependent regulation of memory and anxiety-like behavior”. *Nature Neuroscience* | Review article: “Autism, Hypobaric Hypoxia, and Tissue Homeostasis”. *The Journal of Neuroscience*.]

Publication: “Retooling Computational Techniques for EEG-Based Neurocognitive Modeling of Children’s Data, Validity and Prospects for Learning and Education”. Frontiers in Computational Neuroscience, 18 February 2019. https://doi.org/10.3389/fncom.2019.00004

Publication: “Cognitive control, bedtime patterns, and testing time in female adolescent students: behavioral and neuro-electrophysiological correlates”. Frontiers in Public Health, 19 June 2023. https://doi.org/10.3389/fpubh.2023.1022731

26th ISHN ANNUAL MEETING 2022 (International Society for the History of Neuroscience) [Poster presented at Sapienza University of Rome: “The Cosmological Michelangelo”] https://doi.org/10.3389/fpubh.2023.1022731

28th ISHN ANNUAL MEETING 2024 (International Society for the History of Neuroscience) [Talk given at University of California Los Angeles: “Neuroscientific Interpretations of Italian Renaissance Art”] https://www.semel.ucla.edu/ishn/ISHN2024-Program.pdf

SfNC 2025 ANNUAL MEETING

(Society for the Neuroscience of Creativity) [Poster presented at the Paris Brain Institute: “Proton Efflux: A Molecular Mechanism of Creativity”]
SfNC2025: Creativity & Changing Brains — The Society for the Neuroscience of Creativity
https://share.google/W3aAJxtpQGvROKPdl