



## Carola Yovanovich

Visiting Instructor/Lecturer, Neurosurgery

### Bio

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#### ACADEMIC APPOINTMENTS

- Visiting Instructor/Lecturer, Neurosurgery

#### PROFESSIONAL EDUCATION

- MSc, University of Buenos Aires, Argentina , Biological Sciences (2004)
- PhD, University of Buenos Aires, Argentina , Biological Sciences (2012)

### Publications

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#### PUBLICATIONS

- **Freeze or escape? Tadpoles' behavioural decisions based on conspecifics' chemical alarm cues** *ANIMAL BEHAVIOUR*  
Jungblut, L. D., Coceres, A. R., Raices, M., Yovanovich, C. A. M., Pozzi, A. G.  
2025; 222
- **Insights into the evolution of photoreceptor oil droplets in frogs and toads** *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*  
Cervino, N. G., Elias-Costa, A. J., Iglesias, P. P., Yovanovich, C. A. M., Faivovich, J.  
2024; 291 (2027): 20241388
- **Visual environment of rearing sites affects larval response to perceived risk in poison frogs** *JOURNAL OF EXPERIMENTAL BIOLOGY*  
Fouilloux, C. A., Stynoski, J. L., Yovanovich, C. A. M., Rojas, B.  
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- **Tadpole Responses to Environments With Limited Visibility: What We (Don't) Know and Perspectives for a Sharper Future** *FRONTIERS IN ECOLOGY AND EVOLUTION*  
Fouilloux, C. A., Yovanovich, C. A. M., Rojas, B.  
2022; 9
- **Simultaneous Expression of UV and Violet SWS1 Opsins Expands the Visual Palette in a Group of Freshwater Snakes** *MOLECULAR BIOLOGY AND EVOLUTION*  
Hauzman, E., Pierotti, M. E. R., Bhattacharyya, N., Tashiro, J. H., Yovanovich, C. A. M., Campos, P. F., Ventura, D. F., Chang, B. S. W.  
2021; 38 (12): 5225-5240
- **A frog's eye view: Foundational revelations and future promises** *SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY*  
Donner, K., Yovanovich, C. A. M.  
2020; 106: 72-85
- **Lens transmittance shapes ultraviolet sensitivity in the eyes of frogs from diverse ecological and phylogenetic backgrounds** *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*  
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- **A dune with a view: the eyes of a neotropical fossorial lizard** *FRONTIERS IN ZOOLOGY*  
Yovanovich, C. A. M., Pierotti, M. E. R., Rodrigues, M., Grant, T.  
2019; 16: 17
- **Differences in ocular media transmittance in classical frog and toad model species and its impact on visual sensitivity** *JOURNAL OF EXPERIMENTAL BIOLOGY*  
Yovanovich, C. A. M., Grant, T., Kelber, A.  
2019; 222 (12)
- **The dual rod system of amphibians supports colour discrimination at the absolute visual threshold** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*  
Yovanovich, C. A. M., Koskela, S. M., Nevala, N., Kondrashev, S. L., Kelber, A., Donner, K.  
2017; 372 (1717)
- **Thresholds and noise limitations of colour vision in dim light** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*  
Kelber, A., Yovanovich, C., Olsson, P.  
2017; 372 (1717)
- **Amphibian larvae and zinc sulphate: a suitable model to study the role of brain-derived neurotrophic factor (BDNF) in the neuronal turnover of the olfactory epithelium** *CELL AND TISSUE RESEARCH*  
Yovanovich, C. A. M., Jungblut, L. D., Heer, T., Pozzi, A. G., Paz, D. A.  
2009; 336 (1): 1-9
- **Distribution Pattern of Neuropeptide Y in the Brain, Pituitary and Olfactory System during the Larval Development of the Toad *Rhinella arenarum* (Amphibia: Anura)** *ANATOMIA HISTOLOGIA EMBRYOLOGIA*  
Heer, T., Pozzi, A. G., Yovanovich, C. A., Paz, D. A.  
2009; 38 (2): 89-95
- **Galanin: Presence and distribution in the brain and pituitary of *Rhinella arenarum* (Amphibia: Anura) during development** *TISSUE & CELL*  
Heer, T., Yovanovich, C. A., Pozzi, A. G., Paz, D. A.  
2008; 40 (5): 333-342
- **Inhibition of cyclooxygenase-2 (COX-2) by meloxicam decreases the incidence of ovarian hyperstimulation syndrome in a rat model** *FERTILITY AND STERILITY*  
Quintana, R., Kopcow, L., Marconi, G., Young, E., Yovanovich, C., Paz, D. A.  
2008; 90: 1511-1516
- **Immunohistochemical localization of vascular endothelial growth factor and its receptor Flk-1 in the amphibian developing principal and accessory olfactory system** *ANATOMY AND EMBRYOLOGY*  
Pozzi, A. G., Yovanovich, C. A., Jungblut, L., Heer, T., Paz, D. A.  
2006; 211 (5): 549-557