

Curriculum Vitae

Itzue Wendolin Caviedes-Solis

PhD student. Fifth year. Expected graduation Spring 2019

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Degrees

2013. MSc. Biological sciences. Universidad Nacional Autonoma de Mexico (UNAM).

2009. B.A. Biology. Universidad Nacional Autonoma de Mexico (UNAM).

Appointments

2018, Teaching Assistant, Advance Animal Physiology Laboratory, Dept. of Biology, UW

2018, Teaching Assistant, Comparative Anatomy of Vertebrates, Dept. of Biology, UW

2017, Teaching Assistant, Comparative Anatomy of Vertebrates, Dept. of Biology, UW

2015, Teaching Assistant, Herpetology, Dept. of Biology, University of Washington

2014, Teaching Assistant, Vertebrate Biology, Dept. of Biology, University of Washington

2013, Field technician. Environmental corporation of Mexico SA de CV

2012–2013, Field assistant and data capture technician, CONABIO, Mexico

2009–2010, Research Assistant fellow, Molecular Systematics Institute of Biology, IBUNAM

2009, Field technician, Restoration Environmental Impact SA de CV, Mexico

Fellowships/Grants

2018, WRF Hall Fellowship, Biology Department, University of Washington

2018, Science Journalism Internship, travel grant SICB San Francisco

2017, Margo and Tom Wyckoff Award, Biology Department, University of Washington

2017, Gans Collections and Charitable Fund, conference attendance grant for the XI Latin American Congress of Herpetology: Puce, Ecuador

2016, Conference attendance grant from the Word Congress of Herpetology, Hangzhou, China

2013–2017, PhD Research Fellow, National Committee of Science and Technology, México

2013, Benjamin and Margaret Hall Fellowship, University of Washington

2012, Research abroad fellow, University of Kansas, Lawrence, CONACYT, México

2010–2012, M. Sc. Research Fellow, CONACYT, México

2008–2010, Research Fellow, General Direction of Science Communication, UNAM

Publications

Campbell J., D Jr E., **Caviedes-Solis I.W.**, Nieto Montes de Oca A., Luja V.H., Flores-Villela O., García-Vázquez U., Sarker G., Wostl E, Smith E. 2018 Systematics of the frogs allocated to *Sarcohyala bistincta* sensu lato (Cope, 1877), with description of a new species from Western Mexico. *Zootaxa*. 4422(3):366-84.

- Caviedes-Solis, I.W.**, & Leache, A.D. 2018. Leap frogging the Mexican Highlands: Influence of biogeographical and ecological factors on highland species diversification. *Biological Journal of the Linnean Society*.123(4):767-81.
- Caviedes-Solis, I.W.**, & Nieto-Montes de Oca, A. 2018. Multilocus phylogeny of the *Sarcohyala bistincta* group (Anura: Hylidae), and an investigation of species boundaries using statistical species delimitation. *Molecular Phylogenetics and Evolution*. 118: 184–193
- Canseco-Márquez L., Aguilar-López J.L., Luría-Manzano R., Pineda E. & **Caviedes-Solis I.W.** 2017. A new species of Treefrog of the Genus *Ptychohyala* (Anura: Hylidae) from Southern Mexico. *Zootaxa*.
- Furbush R., **Caviedes-Solis I.W.**, Méndez de la Cruz F., Leaché A.D. 2017. Missing in action for nearly 50 years: rediscovery of the Mexican treefrog *Duellmanohyla ignicolor* (Anura: Hylidae). *Mesoamerican Herpetology*. 4(1):119-127
- Caviedes-Solis I.W.**, Solano-Zavaleta I., Gomez-Jiménez Y.A. & León-Paniagua L. 2017. Northern record and notes on the natural history of *Rheomys mexicanus*(Goodwin, 1959). *Southwestern naturalist* 62(1)
- García-Vázquez, U.O., Devitt, T.J., de Oca, A.N.M., Rovito, S.M., **Caviedes-Solis, I.W.** and Parra-Olea, G. 2016. New occurrence records of *Eleutherodactylus syristes* in Guerrero and Oaxaca, Mexico. *Revista Mexicana de Biodiversidad*, 87(3), pp.1149-1152.
- Campbell, J.A., Solano-Zavaleta, I., Flores-Villela, O., **Caviedes-Solis, I.W.** & Frost, D.R. 2016. A New Species of *Abronia* (Squamata: Anguidae) from the Sierra Madre del Sur of Oaxaca, Mexico. *Journal of Herpetology* 50(1):149-156.
- Caviedes-Solis, I.W.**, Bouzid, N.M., Banbury, B. L., & Leaché, A.D. 2015. Uprooting phylogenetic uncertainty in coalescent species delimitation: A meta-analysis of empirical studies. *Current Zoology* 61:866-873.
- Vázquez-Vega, L.F., **Caviedes-Solis, I.W.**, Solano-Zavaleta I, Villegas-Garcia R. & Flores-Villela O.A. 2015. Distribution notes: *Agalychnis moreletti* (Dumeril, 1953). *Mesoamerican Herpetology* 2(4):538-539.
- Caviedes-Solis, I.W.**, Vázquez-Vega, L.F., Solano-Zavaleta, I., Pérez-Ramos, E., Rovito, S.M., Devitt, T.J., Heimes, P., Flores-Villela, O.A., Campbell, J.A. & Nieto-Montes de Oca, A. 2015. Everything is not lost: recent records, rediscoveries, and range extensions of Mexican hylid frogs. *Mesoamerican Herpetology* 2(3):230-241.
- Pérez-Ramos, E., **Caviedes-Solis, I.W.** & Beltrán-Sánchez E. 2013. Geographic Distribution: *Exerodonta juanita* (Juanita's earless treefrog). *Herpetological Review* 44(4):620.

Oral presentations at scientific meetings:

- 2018, Reptile and Amphibian Taxon Advisory group meeting, Seattle, WA
- 2018, Society of Integrated and Comparative Biology, San Francisco, CA
- 2017, VIII Latin American Congress of Herpetology, Quito Ecuador.
- 2016, XIV National Meeting of Herpetology, Nayarit, Mexico.
- 2016, IX World Congress of Herpetology, Hangzhou, China.
- 2012, XII National Meeting of Herpetology, Chiapas, Mexico (3rd Place Oral).

2012, VIII World Congress of Herpetology, Vancouver, Canada.

2008, VIII Latin American Congress of Herpetology, Varadero, Cuba.

2008, X National Meeting of Herpetology, Pachuca, Mexico.

Poster presentations at scientific meetings:

2017, Evolution Meeting, Portland, USA

Synergistic Activities

1. Public outreach

- **Ongoing-2013**, Volunteer, Burke Museum of Natural History and Culture, at the events: “Meet the Mammals”, “Birds at the Burke”, “Behind-the-Scenes”, “Creepy Crawly Cocktails”, “Ice Age Chillout”
- **Ongoing-2013**,
- **2018**, Science Olympiads Competition. Exploring the worlds of Science. Test developer and tournament supervisor for Herpetology for the UW regionals.
- **2017**, Amphibian monitoring workshop for the Snohomish County.
- **2014-2013**, Tour guide, Botanical Greenhouse, Biology Dept., University of Washington

2. Teaching

- **2017**, STEM summer camp for Northwest Earth Space Science Pipeline for NASA (Fluid mechanics and biomechanics in Seattle for Spanish speakers).
- **2016-current**, Lesson planner and instructor for Science explorers at Seattle Sanislo elementary school (one-day lesson, including Human body, Astronomy and Earth Sciences).
- **2016**, Undergrad supervisor. Supervised three undergraduate field assistants in Mexico during summer 2015. Two from UW (one month each), one from UNAM (two weeks).
- **2016-2015**, “Seattle Expanding your Horizons” Girls in Science workshop, annual workshop 2015-2016
- **2015-2014**, Instructor, “Clubes de Ciencia Mexico” one week summer camps, summer editions 2014 and 2015

3. Biodiversity fieldwork

- Personally organized and conducted herpetology fieldtrips, Mexico (2007-ongoing)
- Participated in the herpetology collecting trip, Ghana (2016)
- Participated in the ornithology collecting trips, Washington 2014, 2016, 2017

4. Contributions to Natural History Museums

- Monthly preparation of specimens, Burke Museum, Ornithology (2014-ongoing).
- Deposition of specimens (Mexico, UNAM) & United States (UW)

5. Service to scientific community

- Manuscript referee: Zootaxa and PLoS ONE.
- Book reviewer: “*La rana Arborícola. Tenaz sobreviviente de los Oasis de Baja California Sur*” CONABIO.