

Ph.D. candidate
email: yusan.yang@pitt.edu
105 Clapp Hall, Department of Biological Sciences, University of Pittsburgh
Fifth and Ruskin Aves, Pittsburgh, PA, 15260, U.S.A.

last updated Jan. 2018

EDUCATION

- 2015 – present **Ph.D student**, University of Pittsburgh, Department of Biological Sciences
*transferred from Tulane University after first year
- 2009 – 2013 **B.S.** in Biology, National Taiwan University, Department of Life Sciences.

PUBLICATIONS

- Li, C.-Y., Y.-C. Tseng, Y.-J. Chen, **Y. Yang** and Y. Hsu. Associations between metabolic rate and behaviors depend on cortisol in the mangrove rivulus fish *Kryptolebias marmoratus*. *in review*.
- Yang, Y.**, M. B. Dugas, H. J. Sudekum, S. Murphy and C. L. Richards-Zawacki. Male-male aggression is unlikely to stabilize a poison frog polymorphism. *Journal of Evolutionary Biology*. *In press*.
- Pruitt, J. N., K. A. Howell, S. J. Gladney, **Y. Yang**, J. L. L. Lichtenstein, M. E. Spicer, S. A. Echeverri, N. Pinter-Wollman. 2017. Behavioral hypervolumes of predator groups and predator-predator interactions shape prey survival rates and selection on prey behavior. *American Naturalist* 189:3
- Yang, Y.**, C. L. Richards-Zawacki, A. Devar and M. B. Dugas. 2016. Poison frog color morphs express assortative mate preferences in allopatry but not sympatry. *Evolution* 70-12: 2778–2788.
- Li, C.-Y., **Y. Yang**, P.-Y. Lee, and Y. Hsu. 2014. Opponent familiarity and contest experience jointly influence contest decisions in *Kryptolebias marmoratus*. *Frontiers in Zoology* 11:92.

PRESENTATIONS

- Poster: Learned color bias in a polymorphic poison frog: implications for trait evolution and speciation. 2018 SICB. San Francisco, CA, USA.
- Invited talk: Sexual Selection and phenotypic divergence in a polymorphic poison frog. 2017 Department of Biology, University of North Carolina, Chapel Hill, NC, USA.
- Invited talk: Sexual Selection and phenotypic divergence in a polymorphic poison frog. 2017 Department of Life Science, National Taiwan Normal University, Taipei, Taiwan.

Talk: Learned color bias in a polymorphic poison frog: implications for trait evolution and speciation. 2017 Three Rivers Evolution Event. Pittsburgh, PA, USA.

Talk: Male-male competition and its role in phenotypic divergence in a polymorphic poison frog. 2017 ESA. Portland, OR, USA.

Talk: Male-male competition and its role in phenotypic divergence in a polymorphic poison frog. 2017 Evolution Meeting. Portland, OR, USA.

Talk: Poison frog males bias aggression towards a similar color morph when in allopatry but not in sympatry. 2016 World Congress of Herpetology. Hangzhou, China.

Talk: Diverged female preferences and male aggression patterns are not sufficient to drive behavioral isolation. 2016 Evolution Meeting. Austin, USA.

Poster: Anti-predator Behavior of *Macrophthalmus banzai*: Variation in Hiding Time. 2013 Symposium on Animal Behavior and Ecology. Hualien, Taiwan.

Poster: Anti-predator Behavior of *Macrophthalmus banzai* and *Uca arcuata*. 2012 Symposium on Animal Behavior, Ecology and Global Change. Taipei, Taiwan.

GRANTS, FELLOWSHIPS AND AWARDS

2017 - 2018	Andrew Mellon Predoctoral Fellowship, University of Pittsburgh (\$22,752 plus tuition for two terms)
2016	Travel Stipend, Society for the Study of Evolution (\$500)
2015	A. Stanley Rand Fellowship, Smithsonian Tropical Research Institute (\$5,100)
2015	Tulane EEB Graduate Grant, Tulane University (\$2,000)
2014	Tulane EEB Departmental Award, Tulane University (\$1,000)
2013	Excellence Award, Annual Poster Contest of the Department of Life Sciences, National Taiwan University
2012 - 2013	Undergraduate Research Grants, National Science Council, Taiwan (\$1,550)
2012	NIGINTERN Program fellowship, National Institute of Genetics, Japan (\$ 2,260)
2011 - 2012	Undergraduate Research Grants, National Science Council, Taiwan (\$1,550)
2011	Excellence Award on oral presentation, Taiwan Field Biology Course Workshop
2009	Presidential Award for academic performance, National Taiwan University
2009	Second place, International Biology Olympiad National Team Training Camp
2007	Second prize, Student poster competition, Asian Science Camp (\$360)

RESEARCH EXPERIENCE

2014 – present	Ph.D student, Tulane University & University of Pittsburgh Advisor: Dr. Cori Richards-Zawacki Sexual selection and phenotypic divergence in the polymorphic strawberry poison dart frog (<i>Oophaga pumilio</i>)
----------------	---

- 2013-2014 **Research Assistant, National Taiwan Normal University**
 Advisor: Dr. Yuying Hsu
 Integrating information of fighting ability in contests in mangrove killifish
 (*Kryptolebias marmoratus*).
- 2012 **NIGINTERN Program, National Institute of Genetics, Japan**
 Advisor: Dr. Koide Tsuyoshi
 Genetic analysis of strain difference in bitter taste sensitivity in mice.
- 2011 **Student Fellow, Taiwan Field Biology Course Workshop, Lien-Hwa-Chih**
 Research Center, Taiwan.
 Microhabitat complexity on the effectiveness of disruptive coloration in the
 polymorphic Indian rice frog (*Fejervarya limnocharis*).
- 2011-2013 **Undergraduate Research Fellow, National Taiwan University**
 Advisor: Dr. Yu-Teh Kirk Lin
 Taking Refuge: Variations in Hiding Time of a Mud Crab, *Macrophthalmus*
banzai.

TEACHING AND OUTREACH

- 2017 **Activity instructor**, “Learning party: Slime Time!”, Assemble Pittsburgh
- 2016 **Workshop presenter**, High School teacher training workshop at Bocas del
 Toro, Panama, Smithsonian Tropical Research Institute
- 2015 **Lab Instructor**, Diversity of Life, EBIO 1050, Tulane University
- 2014 **Volunteer judge**, STEM Science Fair, New Orleans Charter Science and
 Mathematics High School
- 2014 **Lab Instructor**, Diversity of Life, EBIO 1050, Tulane University