

Curriculum vitae Highlights***Current Position:***

Presidential Professor of Biology, Department of Biology, University of Oklahoma
Director of the International Stock Center for Livebearing Fishes

Recent Honors:

Bessel Research Award (Alexander von Humboldt Foundation)	2011
Brian and Sandra O'Brien Presidential Professorship	2012
National Academies Education Fellow in the Life Sciences	2013
DAAD Research Ambassador	2015
Honorary Researcher	
Dominican Ministry of Higher Education, Science and Technology	2018
Scientific Council of Caribaea Initiative	2020
Member of Sigma Xi	2021

Research:

Published >175 peer reviewed papers, in addition to several book-chapters, and two books. Journals include Nature, Science, PNAS, Current Biology, Biology Letters, Ecology Letters, Evolution, Ecology, Animal Behaviour, Annual Reviews, Scientific Reports. Over 6000 citations, H-Index is 45. Laboratory and field experience in several countries. Recent Book: **Male Choice, Female Competition, and Female Ornaments in Sexual Selection** (2021). ISBN: 9780198818946, Oxford University Press, Oxford.

Recent External Funding:

NSF "Evolutionary ecology of a cave dwelling Poeciliid fish: the roles of darkness and toxic sulfur" (PI)	2008
NSF "Emergent Hierarchies of Leaders in Multi-Robot Systems" (Co PI)	2011
NSF "Task Specific Group Size Adaptation in Multi-Robot Systems" (Co PI)	2016
NSF "The origin of reproductive parasitism in the Amazon Molly" (PI)	2020

Past Leadership experience:

Former Assistant Chair of Biology, Committee A of the College of Arts and Science, College of Arts and Sciences Tenure and Promotion Committee, Chair of several committees, Former Associate Dean for Research.

Teaching:

Biostatistics, Animal Behavior, Animal Communication, Tropical Biology Field course in Ecuador or Cuba, Cornerstone (a research-based course).

Outreach:

100 invited scientific lectures; worked e.g. with stakeholders in Mexico to protect a unique cave.

Service:

Associate Editor for Current Zoology and SWAN; started a conference series: Conference for Poeciliid Biologists; Co-organizer of the Evolution 2011 Conference in Norman (>1100 participants); Faculty in Residence at OU from 2012 - 2015.

Dr. rer. nat. habil. Ingo Schlupp**7.2.2022****Professor****Brian and Sandra O'Brien Presidential Professor****Department of Biology****University of Oklahoma*****Full Curriculum vitae******Academic training***

Biology, Universität Hamburg	1984
Vordiplom Biology, Universität Hamburg	1988
Diploma Biology, Universität Hamburg	1991
Doctorate in Biology (Supervisor: Prof. Dr. J. Parzefall), Universität Hamburg	1995
Habilitation	
Privatdozent at Fachbereich Biologie der Universität Hamburg	2000
Privatdozent at the University of Zürich	2002

Academic positions***Currently*****Presidential Professor** at the *University of Oklahoma*, Department of Biology **since 2012****Adjunct Professor** at the *University of Texas*, Section of Integrative Biology**Affiliate Professor** of the College of International and Area Studiesat the *University of Oklahoma***Visiting Professor** at the *Universität Potsdam*, Germany 2011 – 2012**Visiting Scientist** at the *Universität Potsdam*, Germany since 2020*Research assistant* 1987 - 1991*Graduate student* at the Zoologisches Institut und Museum der Universität Hamburg 1991 - 1995*Research fellowship* (DAAD). Visiting scholar at the Dept. of Zoology University of Texas at Austin (Prof. Dr. Ryan) 1993 - 1994*Postdoc* at the Zoologisches Institut und Museum der Universität Hamburg (Prof. Dr. Parzefall) 1995*Postdoc* at Lehrstuhl für Physiologische Chemie I der Universität Würzburg (Prof. Dr. Scharf) 1995 - 1996*Habilitation Fellowship* (DFG) Research fellow at the Zoologisches InstitutWeb: <https://ingoschlupp.com/>

und Museum der Universität Hamburg and Department of Zoology, University of Texas at Austin (Prof. Dr. Ryan)	1996 - 1999
<i>Heisenberg-Fellow</i> (DFG)	2000 - 2003
Hosts: Prof. M. J. Ryan, UT Austin and Prof. H.- U. Reyer, Universität Zürich	
<i>Associate Professor</i> for Animal Behavior Universität Hamburg	2003 - 2004
<i>Heisenberg- Fellow</i> (DFG)	2004
Associate Dean for Research, College of Arts and Sciences	2014 - 2016
Assistant Professor at the University of Oklahoma, Department of Zoology	2005 - 2008
Associate Professor at the University of Oklahoma, Department of Zoology	2008 - 2011

Research Interests

- Stability of gynogenetic /hybridogenetic mating systems
- Evolution and maintenance of sexual reproduction
- Animal Behavior, Sexual selection
- Adaptations to extreme habitats
- Speciation
- Population biology of amphibians and fishes with a focus on conservation biology
- Aging
- Molly genomics
- Evolution of leadership in animals and robots using Agent based models.
- Machine learning

Honors

Niko-Tinbergen-Prize by the Deutsche Ethologische Gesellschaft (2000)
 Listed as **20th most cited** Behavioral biologist from German-speaking countries by
 "Laborjournal" (2011)
Friedrich Wilhelm Bessel Research Award by the Alexander von Humboldt Foundation (2011)
Brian and Sandra O'Brien Presidential Professorship (2012)
National Academies Education Fellow in the Life Sciences (2013 – 2014)
DAAD Research Ambassador since 2015
Member of Faculty Opinions since 2018
Named Honorary Researcher by the
Dominican Ministry of Higher Education, Science and Technology since 2018
Scientific Council of Caribaea Initiative since 2020
Member of SigmaXi since 2021

Past Leadership

Past Associate Dean for Faculty and Research, College of Arts and Sciences; past Assistant Chair of Biology; elected member of Committee A of the College of Arts and Science (multiple terms); elected member of Committee A for the Zoology Department (one term). Elected member of the Board of Governors for the Southwestern Association of Naturalists, Member of the Inaugural Leadership Academy 15/16 at OU.

Chair of multiple committees at OU, including a Curriculum Task Force.

Field work

Conducted field-work in the following countries: Cuba, Dominican Republic, Germany, Jamaica, Mexico, Trinidad, United States.

Awards

German Academic Exchange Service (DAAD) "Sexual selection in the Peacock blenny" (with Dr. Rui Oliveira, Lisbon)	closed
NATO: "Maintenance of sexual preferences in the Amazon molly" (with Dr. M. J. Ryan, Austin)	closed
Deutsche Forschungsgemeinschaft "Molecular genetics of the Amazon molly"	1998 – 2004
Deutsche Forschungsgemeinschaft "Behavioral ecology of the Amazon molly"	1999 – 2003
Deutsche Forschungsgemeinschaft "Parasites and the Amazon molly: A role for the Red Queen"	2004
Deutsche Forschungsgemeinschaft "Why female Amazon mollies show sexual preferences: do they gain direct benefits?"	2004
Deutsche Forschungsgemeinschaft "Influence of biotic and abiotic environmental variables of a chemoautotroph cave on the behavior of Atlantic mollies (<i>Poecilia mexicana</i>)."	2004
OU Research Council Faculty "Junior Faculty Research Fellowship" (\$ 6.000):	2005
OU College of Arts and Sciences "Development Award" (\$ 2.500):	2005
OU College of Arts & Sciences Information Technology Award (\$ 8.000):	2006
OU CAS Faculty Enrichment Grant "Life-history differences in sexual and asexual mollies" (\$ 1.000)	2006
OU Research Council Grant "Comparing life histories of asexual and sexual mollies: a new solution to an old problem?" (\$ 6.000)	2006
OU "Big 12": Amazon mollies and parasites (\$ 2.500)	2007
OU Faculty Senate "Visual communication in native freshwater fishes of Oklahoma and Texas with special emphasis on the role of ultraviolet light" (\$ 2.500)	2007

CV Dr. Ingo Schlupp	University of Oklahoma	5
OU Junior Faculty Research Fellowship (\$ 6.000):		2007
NSF "Evolutionary ecology of a cave dwelling poeciliid fish: the roles of darkness and toxic sulfur" (\$ 277.000)		2008
NSF SEGR "Effects of an extreme flood event on fish populations in Tabasco, Mexico" (\$ 24.000)		2009
NSF REU Supplement for "Evolutionary ecology of a cave dwelling poeciliid fish: the roles of darkness, and toxic sulfur" (\$ 7.000)		2009
OU FOCAS host of Dr. Anne Magurran (\$ 4.000)		2009
OU Faculty Senate Award/VPR "The effects of sexual harassment on females in livebearing fishes" (\$ 1.150)		2009
OU Research Council "Foundations for the Evolution of Nurturing and Learning in Robots" (Co PI) (\$ 36.000)		2011
NSF "Emergent Hierarchies of Leaders in Multi-Robot Systems" (Co PI) (\$ 159.000)		2011
NSF "Comparing sexual and asexual fishes: differences in life histories, patterns of reproduction, and aging" (PI) (not invited)		2012
OU Dreamcourse "Animal Behavior" Spring Semester of 2013 (\$ 20.000)		2012
NIH "Biodemography of a clonal fish: linking reproductive timing and senescence" (PI) (declined)		2012
Big12 Travel Award "Visual ecology of the Green Swordtail" (\$ 2.500)		2012
HFSP "AsexEvol – Evolution without recombination" (Co PI) (not invited)		
OU FOCAS host of Dr. Joe Travis (\$3.325)		2012
NSF "Foundations for the Evolution of Nurturing and Learning in Robots" (Co PI) (not funded)		2012
NSF "Biodemography and genomics of a clonal fish: consequences of late reproduction" (PI) (not funded)		2013
DFG "Comparative transcriptomics of sexual and asexual fishes: an evolutionary genomics approach to understanding the maintenance of sex" (Co PI) (not funded)		2013
OCAST "Consequences of late reproduction for mothers and offspring" (PI) (recommended for funding, but not funded)		2013
OU FIP "Fitness of population hybrids between the Cave molly (<i>Poecilia mexicana</i>) and its surface living ancestor" (\$13.500)		2013
NSF "Task Specific Group Size Adaptation in Multi-Robot Systems" (Co PI) (declined)		2014
NSF "Foundations for the Evolution of Nurturing and Learning in Robots" (Co PI) (declined)		2014
NSF "What keeps new species separate: the role of population hybrids" between the Cave molly (<i>Poecilia mexicana</i>) and its surface living ancestor" (PI) (not invited)		2014
NSF "Comparative Genomics of a Unisexual Vertebrate" (PI) (not invited)		2014
OCAST "Consequences and mechanisms of late reproduction for mothers" and offspring: from fish to humans" (PI) (declined)		2014
College of Engineering "Agent-Based Modeling, Speciation, & Evolutionary Computation" (Co-PI) (\$ 8.000)		2014
NSF "Task Specific Group Size Adaptation in Multi-Robot Systems"		

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(Co PI) (\$192,557)	2016
NSF "The orphans of sexual selection theory: male choice and female competition" (PI) (not invited)	2016
NSF "The Origin of Sperm Parasitism through the Looking Glass of the Amazon Molly" (PI) (not invited)	2017
NSF "Male mate choice for female quality" (PI) (not invited)	2017
NSF "How to make an invasive species: The feral Guppy as an emerging threat" (declined)	2018
NSF "How to make an invasive species" (declined)	2019
NSF "Variation in color polymorphism in Cuban Livebearing fishes" (declined)	2019
USFWS "Protecting endemic fishes threatened by aquatic introductions" (declined)	2019
NSF (PI) "The origin of sperm parasitism in Amazon mollies" (\$593,443)	2020
OU CAS (PI) "Using machine learning and AI in Animal Behavior" (\$2800)	2020
NSF "The origin of sperm parasitism in Amazon mollies" (supp.) (\$6200)	2020
NSF "Genomics Underlying Piscine Invasiveness (GUPI): The Feral Guppy as an Emerging Model for Adaptive Physiology, Behavior, and Morphogenesis" (declined) (ca. 1.4 Mio)	2020
NSF "The origin of sperm parasitism in Amazon mollies" (supp.) (\$6100)	2021
OU VPRP "Welfare in the Amazon Molly, <i>Poecilia formosa</i> : using a clonal fish to investigate the effects of enrichment and social isolation" (funded) (\$7800,-)	2021
NSF "A stock center for Livebearing Fishes: providing a crucial resource for research" (PI) (pending) (\$743,448,-)	2021
NSF "MRI Track 1: Acquisition of an Inverted Confocal Laser Scanning Microscope System to Enable Multidisciplinary Research, Training, and Education" (CoPI) (pending) (\$1.25 Mio)	2022
NSF "Polymorphism, sexual conflict, and the strength of top-down control in trophic cascades" (CoPI) (pending) (\$381,667)	2022

Publications

Citations per Google Scholar

<https://scholar.google.ca/citations?user=IdIUhWAAAAAJ>

(as of January 29, 2022): 6317

H index: 45

i 10 index: 120

ORCID: 0000-0002-2460-5667

Peer reviewed (* indicates an undergraduate co-author)

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1990

1. SCHARTL, M., NANDA, I., SCHLUPP, I., PARZEFALL, J., SCHMID, M. and EPPLEN, J. T. (1990): Genetic variation in the clonal vertebrate *Poecilia formosa* is limited to few truly hypervariable loci. **Fingerprint News** 2(4), 22-24.

1991

2. SCHLUPP, I. (1991): Besiedlung eines Ersatzlaichgewässers mittels Lernen durch adulte Erdkröten, *Bufo bufo* L.. **Seevögel**, 12 (Sonderband 1), 101-103.

3. SCHLUPP, I., PARZEFALL, J. and SCHARTL, M. (1991): Male mate choice in mixed bisexual/unisexual breeding complexes of *Poecilia* (Teleostei: Poeciliidae). **Ethology**, 88 (3), 215-222.

4. SCHARTL, M., SCHLUPP, I., SCHARTL, A., MEYER, M. K., NANDA, I., SCHMID, M., EPPLEN, J. T. & PARZEFALL, J. (1991): On the stability of dispensable constituents of the eucariotic genome: Stability of coding sequences versus truly hypervariable sequences in a clonal vertebrate, the amazon molly, *Poecilia formosa*. **Proc.Natl.Acad.Sci.USA.**, 88, 8759 - 8763.

1992

5. SCHLUPP, I., PARZEFALL, J., EPPLEN, J. T., NANDA, I., SCHMID, M. & SCHARTL, M. (1992): Pseudomale behaviour and spontaneous masculinization in the all - female teleost *Poecilia formosa* (Teleostei: Poeciliidae). **Behaviour**, 122, 88 - 104.

1993

6. UIBLEIN, F., DURAND, J. SCHLUPP, I., JUBERTHIE, C., and PARZEFALL, J. (1993): Optomotor response in *Proteus anguinus* grafted with an eye of the epigeal salamander *Euproctus asper*. **Mem. Biospeol.**, 20, 265 - 267.

1994

7. SCHLUPP, I., MARLER, C. & RYAN, M. J. (1994): Benefit to Male Sailfin Mollies of Mating with Heterospecific Females. **Science**, 263, 373 - 374.

8. SCHLUPP, I. & PODLOUCKY, R. (1994): Changes in breeding site fidelity: A combined study of conservation and behaviour in the Common Toad, *Bufo bufo*. **Biological Conservation**, 69, 285 - 291.

1995

9. NANDA, I., SCHARTL, M., FEICHTINGER, W., SCHLUPP, I., PARZEFALL, J. & SCHMID, M. (1995): Chromosomal evidence for laboratory synthesis of a triploid hybrid between the gynogenetic teleost *Poecilia formosa* and its host species. **J. Fish Biol.**, 47, 619 - 623.

10. SCHARTL, M., WILDE, B., SCHLUPP, I. & PARZEFALL, J. (1995): Evolutionary origin of a parthenoform, the Amazon molly, *P. formosa*, on the basis of a molecular genealogy. **Evolution**, 49, 827 - 835.

11. SCHARTL, M., NANDA, I., SCHLUPP, I., WILDE, B., EPPLEN, J. T., SCHMID, M., & PARZEFALL, J. (1995): Incorporation of subgenomic amounts of DNA as compensation for mutational load in a gynogenetic fish. **Nature** 373, 68 – 71.

1996

12. SCHLUPP, I., PARZEFALL, J., EPPLEN, J. T. & SCHARTL, M. (1996): *Limia vittata* as host species for the Amazon Molly, *Poecilia formosa*: no evidence for sexual reproduction. **J. Fish Biol.** 48 (4), 792 - 795.

13. SCHLUPP, I. & RYAN, M. J. (1996): Mixed species shoals and the maintenance of a sexual- asexual mating system in two species of mollies. **Anim. Behav.** 52, 885 - 890.

1997

14. SCHLUPP, I. & RYAN, M. J. (1997): Male Sailfin Mollies (*Poecilia latipinna*) copy the mate choice of other males. **Behavioral Ecology** 8, 104 - 107.

15. ALTSCHMIED, J., HORNING, U., SCHLUPP, I. GADAU, J., KOLB, R. & SCHARTL, M. (1997): Rapid isolation of PCR - suited DNA laboratory and field work. **BioTechniques** 23, 228-229.

16. SCHARTL, A., NANDA, I., WACKER, R., HORNING, U., MÜLLER- HERMELINK, H.-K., SCHLUPP, I., PARZEFALL, J., SCHMID, M., & SCHARTL, M. (1997): Susceptibility to the development of pigment cell tumors in a clone of the Amazon Molly, *Poecilia formosa*, introduced through a microchromosome. **Cancer Res.** 57, 2993 – 3000.

1998

17. SCHLÜTER, A., PARZEFALL, J. & SCHLUPP, I. (1998): Female preference for symmetrical vertical bars in male Sailfin Mollies (*Poecilia latipinna*). **Anim. Behav.**, 56, 147 - 153.

18. SCHLUPP, I., NANDA, I., DÖBLER, M., LAMATSCH, D.K., EPPLER, J.T., PARZEFALL, J., SCHMID, M. & SCHARTL, M. (1998): Dispensable and indispensable genes in the Amazon molly *Poecilia formosa*. **Cytogenetics and Cell Genetics**, 80, 193-198. (review paper)

1999

19. KÖRNER, K., LÜTJENS, O., PARZEFALL, J. & SCHLUPP, I. (1999): The role of experience in mate preferences of the unisexual Amazon molly. **Behaviour**, 136, 257 - 268.

20. SCHLUPP, I., WASCHULEWSKI, M. & RYAN, M. J. (1999): Female preferences for naturally occurring novel male traits. **Behaviour**, 136, 519-527.

21. LANDMANN, K., PARZEFALL, J., & SCHLUPP, I. (1999): A sexual preference in the Amazon molly, *Poecilia formosa*. **Env. Biol. Fishes**, 56, 325-331.

2000

22. OLIVEIRA, R.F., ROSENTHAL, G.G., SCHLUPP, I., MCGREGOR, P.K., CUTHILL, I., ENDLER, J.A., FLEISHMAN, L., ZEIL, J., BARATA, E., BURFORD, F., GONÇALVES, D., HALEY, M., JAKOBSSON, S., JENNIONS, M., KÖRNER, K.E., LINDSTRÖM, L., PEAKE, T., PILASTRO, A., POPE, D., ROBERTS, S., ROWE, C., SMITH, J. & WAAS, J. (2000): Considerations on the use of video-playback as visual stimuli: the Lisbon workshop consensus. **Acta Ethologica** 3, 61-65.

23. GONÇALVES, D. M., OLIVEIRA, R. F., KÖRNER, K. E., POSCHADEL, J. & SCHLUPP, I. (2000): Using video playbacks to study visual communication in a marine fish, *Salaria pavo*. **Animal Behaviour** 60, 351-357.

24. SCHLUPP, I. (2000): Are there lessons from negative results in studies using video playback? **Acta Ethologica** 3, 9-13.

25. OLIVEIRA, R.F., MCGREGOR, P.K., SCHLUPP, I. & ROSENTHAL, G.G. (2000): Video playback techniques in behavioural research. **Acta Ethologica** 3, 1.

2001

26. SCHLUPP, I., MCKNAB, R.* & RYAN, M.J. (2001): Sexual harassment as a cost for sailfin molly females: bigger males cost less. **Behaviour** 138, 277-286.

2002

27. SCHLUPP, I., PARZEFALL, J. & SCHARTL, M. (2002): Biogeography of the Amazon molly, *Poecilia formosa*. **Journal of Biogeography** 29, 1-6.

28. WITTE, K. & SCHLUPP, I. (2002): An unusual foraging strategy in ducks (Aves: Anatidae). **Bull. Texas Orn. Soc.** 35 (1), 10-11.

29. NIEMEITZ, A., KREUTZFELDT, R., SCHARTL, M., PARZEFALL, J. & SCHLUPP, I. (2002): Male mating behaviour of a molly, *Poecilia latipunctata*: a third host for the asexual Amazon molly. **Acta Ethologica** 5, 45-49.

30. PLATH, M., KÖRNER, K.E., SCHLUPP, I. & PARZEFALL, J. (2002): Sex recognition and female preferences of Cave mollies *Poecilia mexicana* in light and darkness. **Mem. Biospeol.** 28, 163 – 167.

2003

31. GONÇALVES, D.M., OLIVEIRA, R.F., KÖRNER, K.E., & SCHLUPP, I. (2003): Intersexual copying by sneaker males of the peacock blenny. **Animal Behaviour** 65, 355-361.

32. PLATH, M., PARZEFALL, J. & SCHLUPP, I. (2003): The role of sexual harassment in cave and surface dwelling populations of the Atlantic molly, *Poecilia mexicana* (Poeciliidae, Teleostei). **Behavioural Ecology and Sociobiology** 54, 303-309.

33. PLATH, M., WIEDEMANN, K., PARZEFALL, J. & SCHLUPP, I. (2003): Sex recognition in surface and cave dwelling male Atlantic mollies *Poecilia mexicana* (Poeciliidae, Teleostei). **Behaviour** 140, 765 – 781.

34. PLATH, M., KÖRNER, K.E., PARZEFALL, J., SCHLUPP, I. (2003): Persistence of a visually mediated mating preference in the Cave molly *Poecilia mexicana* (Poeciliidae, Teleostei). **Subterranean Biol** 1, 93 – 97.

2004

35. SACHS-TERNES, W., JASCHKE, T. & SCHLUPP, I. (2004): Wanderaktivität und Mortalität von Amphibien vor und nach einer Straßensperrung: Erfahrungsbericht über den Erfolg einer Schutzmaßnahme. **Natur und Landschaft** 79/1, 26-30.

36. PLATH, M., PARZEFALL, J., KÖRNER, K. E. & SCHLUPP, I. (2004): Sexual selection in darkness: Surface and cave dwelling *Poecilia mexicana* (Poeciliidae, Teleostei) females prefer the same male trait. **Behavioural Ecology and Sociobiology** 55, 596-601.

37. LAMATSCH, D.K., NANDA, I., SCHLUPP, I., EPPLER, J.T., SCHMID, M. & SCHARTL, M. (2004): Distribution and stability of supernumerary microchromosomes in natural populations of the Amazon molly, *Poecilia formosa*. **Cytogenetic and Genome Research** 106, 189 – 194.

38. TIMMERMAN, M., SCHLUPP, I. & PLATH, M. (2004): Evolution of shoaling behaviour in a cave dwelling barb, *Garra barreimiae* (Cyprinidae, Teleostei). **Acta Ethologica** 7, 59 – 64.

39. PLATH, M., BRÜMER, A. & SCHLUPP, I. (2004): Sexual harassment in a live-bearing fish (*Poecilia mexicana*): Influence of population-specific male mating behaviour. **Acta Ethologica** 7, 65 – 72.

40. PLATH, M., ARNDT, M., PARZEFALL, J. & SCHLUPP, I. (2004): Size dependent male mating behaviour in the Cave molly, *Poecilia mexicana* (Poeciliidae, Teleostei). **Subterranean Biology** (2), 59-64.

41. PLATH, M., TOBLER, M. & SCHLUPP, I. (2004): Cave fish looking for mates: a visual mating preference in surface and cave dwelling Atlantic mollies (*Poecilia mexicana*, Poeciliidae). **J. Fischk.** 7, 61-69.

2005

42. PLATH, M., HEUBEL, K. U., GARCIA DE LEON, F. & SCHLUPP, I. (2005): Cave molly females like well fed males. **Behavioural Ecology and Sociobiology**. 58, 144-151.
43. PLATH, M., KÖRNER, K., MÖLLER, A. & SCHLUPP, I. (2005): Imperfect signal transmission and female mate choice in surface- and cave-dwelling Atlantic mollies *P. mexicana*. **Subterranean Biology** 3, 57 – 62.
44. TIEDEMANN, R., MOLL, K., PAULUS, K. B. & SCHLUPP, I. (2005): New microsatellite loci confirm hybrid origin, parthenogenetic inheritance, and mitotic gene conversion in the gynogenetic Amazon molly (*Poecilia formosa*). **Mol. Ecol. Notes** (5) 586-589.
45. TOBLER, M. & SCHLUPP, I. (2005): Parasites in sexual and asexual mollies (*Poecilia*, Poeciliidae, Teleostei): a case for the Red Queen? **Biol. Letters** (1) 166-168.
46. SCHLUPP, I. & PLATH, M. (2005): Male mate choice and sperm allocation in a sexual/asexual mating complex of *Poecilia* (Poeciliidae, Teleostei). **Biol. Letters**. (1) 169-171.
47. PLATH, M., HEUBEL, K. & SCHLUPP, I. (2005): Field observations on male mating behavior in surface- and cave-dwelling Atlantic mollies (*Poecilia mexicana*, Poeciliidae) **Z. Fischkd.** (7) 113 – 119.
48. TOBLER, M., WAHLI, T & SCHLUPP, I. (2005): Comparison of parasite communities in sympatric and allopatric populations of sexual and asexual mollies of the genus *Poecilia* (Poeciliidae, Teleostei). **J. Fish Biol.** (67) 1072 – 1082.
49. SCHLUPP, I. (2005): The Evolutionary Ecology of Gynogenesis. **Annual Reviews of Ecology Evolution and Systematics** (36) 399 – 417.
- 2006**
50. RIESCH, R., SCHLUPP, I. & PLATH, M. (2006): Influence of male competition on male mating behaviour in the cave molly, *Poecilia mexicana*. **J. Ethology** 24, 27-31.
51. HEUBEL, K., & SCHLUPP, I. (2006): Turbidity affects association behavior in male Sailfin mollies (*Poecilia latipinna*). **J. of Fish Biol.** 68, 555 - 568.
52. PLATH, M., ROHDE, M., SCHRÖDER, T., TAEBEL-HELLWIG, A. & SCHLUPP, I. (2006): Evolution of a female mating preference in blind cave tetras, *Astyanax mexicanus* (Characidae, Teleostei). **Behaviour** (143) 15 - 32.
53. PLATH, M., BRÜMMER, M., PARZEFALL, J. & SCHLUPP, I. (2006): Size-dependent male mating behaviour and sexual harassment in a population of Atlantic mollies (*Poecilia mexicana*) from a sulphur creek. **Acta Ethologica.** (9) 15 – 21.
54. PLATH, M., SEGEL, U., BURMEISTER, H., HEUBEL, K. & SCHLUPP, I. (2006): Choosy males from the underground: Male mating preferences in surface- and cave-dwelling Atlantic mollies (*Poecilia mexicana*). **Naturwissenschaften** (93) 103 - 109.
55. TOBLER, M., PLATH, M., BURMEISTER, H. & SCHLUPP, I. (2006): Black spots and female association preferences in a sexual/asexual mating complex (*Poecilia*, Poeciliidae, Teleostei). **Behavioural Ecology & Sociobiology** (60) 159 – 165.
56. KÖRNER, K. E., SCHLUPP, I., PLATH, M. & LOEW, E.R. (2006): Spectral sensitivity of surface and cave dwelling mollies, *Poecilia mexicana*. **J. Fish Biol.** (69) 54-65.
57. SCHLUPP, I., POSCHADEL, J., TOBLER, M. & PLATH, M. (2006) Male size polymorphism and testis weight in two species of mollies (*Poecilia latipinna*, *P. mexicana*, Poeciliidae, Teleostei). **Z. Fischkunde** (8) 9 – 16.

58. TOBLER, M., SCHLUPP, I., HEUBEL, K.U., GARCIA DE LEON, F. J., GIERE, O. & PLATH, M. (2006): Life on the edge: Hydrogen sulfide and fish communities of a Mexican Cave and surrounding waters. **Extremophiles (10)** 577-585.

59. RIESCH, R., SCHLUPP, I., TOBLER, M. & PLATH, M. (2006): Reduction of the association preference for conspecifics in cave-dwelling Atlantic mollies, *Poecilia mexicana*. **Behavioural Ecology & Sociobiology (60)** 794-802.

60. TOBLER, M., BURMEISTER, H., SCHLUPP, I. & PLATH, M. (2006): Reduction of visually mediated association preference in the Cave molly (*Poecilia mexicana*, Poeciliidae, Teleostei). **Subterranean Biology (4)** 59-65.

2007

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166. GARCIA DE LEÓN, F., SCHLUPP, I., PLATH, M., RIESCH, R. & TOBLER, M. (2019) Especiación ecológica y origen de nueva especies en el complejo *Poecilia mexicana* basado en estudios de genética. *La biodiversidad de Tabasco*. CONABIO 425 – 431.

2020

167. MAKOWICZ, A.M., MURRAY, L*. & SCHLUPP, I. (2020) Size, species, and audience type influence heterospecific female-female competition. **Animal Behaviour** (159) 47 – 58.

168. RODRIGUEZ-SILVA, R., TORRES PINEDA, P.*, RODRÍGUEZ C.M. & SCHLUPP, I. (2020) Distribution range extension of Yaguayal Limia, *Limia yaguayali* (Teleostei: Poeciliidae) from north of the Dominican Republic. **Novitates Caribaea** (15) 127 – 133.

169. COSTA, G. & SCHLUPP, I. (2020) Placing the hybrid origin of the asexual Amazon molly (*Poecilia formosa*) based on historical climate data. **Biol. J. Linnean Soc.** (129) 1 – 9.

2021

170. RODRIGUEZ-SILVA, R., JOSAPHAT, J., TORRES PINEDA, P.* & SCHLUPP, I. (2021) Annotated list of livebearing fishes (Cyprinodontiformes: Poeciliidae) from Lake Miragoane in southwestern Haiti. **Novitates Caribaea** (17) 147-162.

171. SPIKES, M. & SCHLUPP, I. (2021) Males can't afford to be choosy: male reproductive investment does not influence preference for female size in *Limia* (Poeciliidae). **Behavioural Processes** (183). <https://doi.org/10.1016/j.beproc.2021.104315>

172. RODRIGUEZ-SILVA, R. & SCHLUPP, I. (2021) Biogeography of the West Indies: a complex scenario for species radiations in terrestrial and aquatic habitats. **Ecology and Evolution**. <https://onlinelibrary.wiley.com/doi/10.1002/ece3.7236>

173. RIESCH, R., MAKOWICZ, A., JOACHIM, B., GARCÍA-DE LEÓN, F.J. & SCHLUPP, I. (2021) Life history of the Tamesí molly, *Poecilia latipunctata*, from two populations in the Río Tamesí drainage in northeastern México. **Revista Mexicana de Biodiversidad**, 92, e923107.

174. RODRIGUEZ-SILVA, R. & SCHLUPP, I. (2021) Testing Janzen's mountain passes theory through analyses of thermal breadth in livebearing fishes of the genus *Limia* (Teleostei, Poeciliidae) in the Antilles. **Novitates Caribaea**, (18), 46 - 62.

175. SPIKES, M., HUEBLER, S*. & SCHLUPP, I. (2021) Male secondary sexual traits do not predict female preference in Caribbean livebearing fishes (*Limia*). **Ethology**, (127) 675–681.

176. SMITH, S. N., SCHLUPP, I., HIGGINS, E. D., WATTERS, J. L., BENNETT, K.-A., BRÄGER, S. & SILER, C. D. (2021) Development and validation of an environmental DNA assay for an invasive freshwater fish, the guppy (*Poecilia reticulata*). **Environmental DNA** (00) 1-7. <https://onlinelibrary.wiley.com/doi/epdf/10.1002/edn3.248>

177. RODRIGUEZ-SILVA, R., SPIKES, M., ITURRIAGA, M., BENNETT, K.-A., JOSAPHAT, J., TORRES PINEDA, P., BRÄGER, S. & SCHLUPP, I. (2021) Feeding strategies and diet variation in livebearing fishes of the genus *Limia* (Cyprinodontiformes: Poeciliidae) in the Greater Antilles. **Ecology of Freshwater Fish**. <https://onlinelibrary.wiley.com/doi/epdf/10.1111/eff.12638>

178. SPIKES, M., RODRIGUEZ-SILVA, R., BENNETT, K.-A., BRÄGER, S., JOSAPHAT, J., TORRES PINEDA, P., ERNST, A., KATJA HAVENSTEIN, K., SCHLUPP, I., & TIEDEMANN, R. (2021) Another adaptive radiation in the Caribbean? A phylogeny of the genus *Limia* (Teleostei: Poeciliidae) (**BMC Research Notes** (14) 425. <https://bmcrsnotes.biomedcentral.com/articles/10.1186/s13104-021-05843-x>

2022

179. RIESCH, R., CURTIS, A., JOURDAN, J., SCHLUPP, I., ARIAS-RODRIGUEZ, L. & PLATH, M. (2022) Two ecological gradients drive phenotypic differentiation of a cave fish over few hundred meters (in press **Biological Journal of the Linnean Society**).

submitted or in prep

180. SCHLUPP, I., FAWAZ, R.*, SONTHEIMER, W.* & ZWICK, M.* Preferences for larger mates in female and male Guppies: comparing the sexes (in prep).

181. BURRIDGE, S., SCHLUPP, I. & MAKOWICZ, A. Audience affects male sailfin molly sexual behavior: effects of relative male size and gynogenetic hybrid sexual parasites (in prep).

182. BURRIDGE, S., SCHLUPP, I. & MAKOWICZ, A. Male attention allocation depends on social context (submitted to **Behavioral Processes**).

183. SPIKES, M. & SCHLUPP, I. The comparison of choosiness and mating behaviors between three male morphotypes of *Limia perugiae* (Poeciliidae) (in prep).
184. JANKO, K., MIKULÍČEK & SCHLUPP, I. Asexual species matter in Ecology and Evolution (submitted to **Evolution**).
185. HARDIN, A. & SCHLUPP, I. Using machine learning and DeepLabCut in animal behavior. (submitted to **acta ethologica**).

Preprints

1. MAKOWICZ, A., TIEDEMANN, R., STEELE, R.N.* & SCHLUPP, I. Kin Recognition in a Clonal Fish, *Poecilia formosa*. (**biorxiv**) doi: <http://dx.doi.org/10.1101/055848>.
2. MAKOWICZ, A., MOORE, T.* & SCHLUPP, I.: Female-female aggression in a sexual/unisexual species complex over resources. (**biorxiv**) doi: <http://dx.doi.org/10.1101/057018>.
3. SPIKES, M., RODRIGUEZ-SILVA, R., BENNETT, K-A., BRÄGER, S., JAMES JOSAPHAT, J. TORRES PINEDA, P. ERNST, A., KATJA HAVENSTEIN, K., SCHLUPP, I., & TIEDEMANN, R. Another adaptive radiation in the Caribbean? A phylogeny of the genus *Limia* (Teleostei: Poeciliidae) (**ResearchSquare**) doi: 10.21203/rs.3.rs-133136/v1
4. RODRIGUEZ-SILVA, R. & SCHLUPP, I. Testing Janzen's mountain passes theory through analyses of thermal breadth in livebearing fishes of the genus *Limia* (Teleostei, Poeciliidae) in the Antilles (**BioRxiv**). doi: <https://doi.org/10.1101/2020.12.26.424431>
5. BURRIDGE, S., SCHLUPP, I. & MAKOWICZ, A. Male attention allocation depends on social context (BioRx). <https://www.biorxiv.org/content/10.1101/2021.02.27.433194v1>

Other papers

1. SCHLUPP, I., KIETZ, M., PODLOUCKY, R. & STOLZ, F.M. (1989): Pilot projekt Braken: preliminary results from the resettlement of adult toads to a substitute breeding site. In: LANGTON, T.E.S. (Ed.): **Amphibians and Roads, Proceedings of the Toad Tunnel Conference, Rendsburg (FRG)**, 7.-8. January 1989. ACO Polymer Products Ltd., Shefford, England, 127-133.
2. SCHLUPP, I., PODLOUCKY, R., KIETZ, M. & STOLZ, F.M. (1990): Pilotprojekt "Braken": Erste Ergebnisse zur Neubesiedlung eines Ersatzlaichgewässers durch adulte Erdkröten (*Bufo bufo* L.). **Informationsdienst Naturschutz Niedersachsen** 10(1), 12-18.
3. DÖBLER, M., SCHLUPP, I. & PARZEFALL, J. (1997): Changes in mate choice with spontaneous masculinisation in *P. formosa*. Abstract **Advances in Ethology** 32, p204.
4. PLATH, M., TOBLER, M., RIESCH, R., GARCÍA DE LEÓN, F. & SCHLUPP, I. (2006): Evolutionary biology meets the Cueva Villa Luz: Ichthyological research in a sulfidic cave in Tabasco. **AMCS Newsletter** 69, 64-68.
5. PLATH, M., TOBLER, M., RIESCH, R., GARCÍA DE LEÓN, F. & SCHLUPP, I. (2006): Evolutionsbiologische Forschung an einem „extremophilen“ Höhlenfisch aus einer Schwefelhöhle in Tabasco, Mexiko. **Hessisches Höhlenblatt**.
6. SCHLUPP, I., RIESCH, R. & TOBLER, M. (2007): The Amazon molly (*Poecilia formosa*) (Quick Guide). **Current Biology** 17, 536-537.

7. SCHLUPP, I. **(2013)**: Stillstand ist Rückschritt. Invited commentary for Portal Wissen 2013 – 1, 63.

Book chapters

1. SCHLUPP, I. (1997): Warum kopulieren Männchen bisexueller *Poecilia* - Arten mit den Weibchen des Amazonasärpflings (*Poecilia formosa*)? In: FRANCK, D. **Einführung in die Verhaltensbiologie**, Thieme Verlag, Stuttgart 191 - 193.
2. PASSENHEIM, H., PODLOUCKY, R. & SCHLUPP, I. (2001): Pilotprojekt Braken: Langzeitstudie über die Entwicklung einer Population von Erdkröten (*Bufo bufo* L.) in einem Ersatzlaichgewässer führt zu positiven Ergebnissen. In: **UFZ Bericht 2/2001** (Gottschalk, E., Barkow, A., Mühlenberg, M. & Settele, J. (Eds.) pp 149-154.
3. SCHLUPP, I. (2003): Die Liebe der Fische: Das ungewöhnliche Liebesleben des Amazonasärpflings. Bookchapter for an exhibition catalogue on "Fishes" (with an insert by Rayne Hurzeler) Kunstverein Bad Salzdetfurth
4. SCHLUPP, I. & WANKER, R. Entwicklungsethologie. In: **Lehrbuch der Entwicklungspsychiatrie (2003)**: (HERPERTZ-DAHLMANN, B. RESCH, F., SCHULTE-MARKWORT, M., WARNKE, A. (Hrsg.)). **Schattauer Verlag Stuttgart** 1-13. (second edition in 2007)
5. SCHLUPP, I. Behavior of unisexual vertebrates with special focus on the Amazon molly. In: **Encyclopedia of Animal Behavior (2004)**: (edited by Mark Bekoff).
6. MATOS, R.J. & SCHLUPP, I. Performing in front of an audience – signalers and the social environment. (2005): In: **Animal Communication Networks** (Editor: McGregor, P.K.) **Cambridge University Press**, 63-83. (ISBN: 0521823617)
7. SCHLUPP, I. & RIESCH, R. Evolution of unisexual reproduction. (2011): In: **Ecology and Evolution of Poeciliid Fishes**. J. Evans, A. Pilastro & I. Schlupp (Editors). University of Chicago Press, Chicago, 50 -58.
(<http://www.press.uchicago.edu/presssite/metadata/epl?mode=synopsis&bookkey=11124183>)
8. BIERBACH, D., KONSTANTIN, Y., STADLER, S., SCHENKEL, D., MAKOWICZ, A., NIGL, H., GEUPEL, H., RIESCH, R., SCHLUPP, I., PLATH, M. (2012): Audience effects alters male mate choice in poeciliids. In: Clark KB (ed.) **Social learning theory: Phylogenetic considerations across animal, plant, and microbial taxa**. Nova Science Publishers, Hauppauge, NY.

Books

Ecology and Evolution of Poeciliid Fishes. (2011). J. Evans, A. Pilastro & I. Schlupp (Editors). University of Chicago Press, Chicago.

<https://press.uchicago.edu/ucp/books/book/chicago/E/bo11124183.html>

Male Choice, Female Competition, and Female Ornaments in Sexual Selection (2021). ISBN: 9780198818946, Oxford University Press, Oxford.

<https://global.oup.com/academic/product/male-choice-female-competition-and-female-ornaments-in-sexual-selection-9780198818946?cc=de&lang=en&>

Published IUCN species assessments

Rodríguez-Silva, R., Rodríguez, C., Schlupp, I. & Lyons, T.J. 2021. *Limia versicolor*. *The IUCN Red List of Threatened Species* 2021: e.T125982185A125986643.

Web: <https://ingoschlupp.com/>

Lyons, T.J. & Schlupp, I. 2021. *Limia sulphurophila*. *The IUCN Red List of Threatened Species* 2021: e.T125981966A125986638.

Rodriguez, C., Schlupp, I. & Lyons, T.J. 2021. *Gambusia dominicensis*. *The IUCN Red List of Threatened Species* 2021: e.T169400A124286138.

Rodríguez-Silva, R., Rodriguez, C., Schlupp, I. & Lyons, T.J. 2021. *Limia versicolor*. *The IUCN Red List of Threatened Species* 2021: e.T125982185A125986643.

Rodríguez-Silva, R., Rodriguez, C., Schlupp, I. & Lyons, T.J. 2021. *Limia yaguajali*. *The IUCN Red List of Threatened Species* 2021: e.T125986113A125986653.

Participation at Conferences:

- 1) Toad Tunnel Conference, 7. - 8. Januar 1989 in Rendsburg (F.R.G.): Talk
- 2) First World Congress of Herpetology, 11. - 19. September 1989, Canterbury (U.K): Poster.
- 3) Tagung der Deutschen Zoologischen Gesellschaft, 20. - 24. Mai 1991 in Tübingen (F.R.G.): Talk.
- 4) IV. Tagung zu Fragen der Kartierung und Landschaftsentwicklung, 28. Februar - 1. März 1992 in Wittfeitzen (F.R.G.): Talk
- 5) Fourth International Behavioral Ecology Congress, 17. - 22. August 1992 in Princeton (USA): Talk.
- 6) 73rd Annual Meeting of the American Society of Ichthyologists and Herpetologists, 27. Mai - 2. Juni 1993 in Austin, Texas (USA): Talk.
- 7) Tagung der Deutschen Zoologischen Gesellschaft, 23. - 27. Mai 1994 in Jena (F.R.G.): Talk.
- 8) Fifth International Behavioral Ecology Congress, 14. - 20. August 1994 in Nottingham (U.K.): Talk.
- 9) 14. Ethologentreffen, 25. - 30. September 1994 in Bielefeld (F.R.G.): Poster.
- 10) XIV. International Ethology Conference, 10. - 18. August 1995 in Honolulu (USA): Talk.
- 11) Ethology, Ecology, and Evolution of Fishes, 25. - 30. Mai 1996 in Albuquerque (USA): Talk (invited).
- 12) 76th Annual Meeting of the American Society of Ichthyologists and Herpetologists, 13. - 19. Juni 1996 in New Orleans (USA): Talk und Organisation des Symposiums "Ecology and Evolution of Unisexual Fishes".
- 13) 77th Annual Meeting of the American Society of Ichthyologists and Herpetologists, 25. June - 2. July 1997 in Seattle (USA): Talk.
- 14) Summer school "Evolution of Sex" 10. - 17. August 1997 in Seewiesen (Germany): Talk.
- 15) 7th International Conference of the International Society for Behavioral Ecology 27. July - 1. August 1998 in Asilomar (California): Talk.
- 16) 16th Bi-Annual meeting of the German Ethological Society, 6. - 11. September 1998 in Halle (Saale) (Germany): Talk.
- 17) Video Playback Workshop, 12. - 13. 7. 1999 in Lisbon, (Portugal): Co-Organisor and Talk.
- 18) 80th Annual Meeting of the American Society of Ichthyologists and Herpetologists, 14. - 22. Juni 2000 in La Paz (Mexico): Talk
- 19) 17th Bi-Annual meeting of the German Ethological Society, 14. - 18. August 2000 in Groningen (Netherlands): Talk
- 20) 95th Meeting of the German Zoological Society, 20. - 24. May 2002 in Halle (Saale) (Germany): Talk
- 21) 9th International Conference of the International Society for Behavioral Ecology 7. July - 14. July 2002 in Montreal (Canada): Poster (plus one Poster and one talk as co-author)
- 22) 1st European Conference on Behavioural Biology 31. July - 4. August 2002 in Münster (Germany): Talk (plus two Posters as co-author).
- 23) 96th Meeting of the German Zoological Society 9 - 13 June 2003 in Berlin (Germany): Talk
- 24) SESP 2003. International conference on Sex and Speciation 19 - 24 June 2003 in Leiden (Netherlands): invited keynote speaker

- 25) 1st European Conference for Poeciliid Biologists 01.12. – 02. 12 in Zürich (Switzerland): organizer
- 26) 97th Meeting of the German Zoological Society 31.05.04 – 04.06.04 in Rostock (Germany): Talk
- 27) 2nd European Conference for Poeciliid Biologists 04.12.05 – 06.12.05 in Trondheim (Norway): Talk
- 28) 53rd Annual Meeting of the Southwestern Association of Naturalists 13.04.06 – 15.04.06 in Colima (Mexico): Talk
- 29) Animal Behavior Society Meeting 2006 12.08.06 – 16.08.06 in Snowbird (Utah): Talk
- 30) 87th Annual meeting of the American Society of Ichthyologists and Herpetologists 2007 11.07.07 – 16.07.07 in St. Louis (Missouri): Talk
- 31) Third European Conference of Poeciliid Biologists 2008 26.03 – 28.03. 08 in Chioggia (Italy): Invited Keynote Talk
- 32) Meeting of the Mexican Ichthyological Society 28.10. - 31.10 08 in LaPaz (Mexico): Talk
- 33) Evolution of Sex & Recombination 2009 31.5.09 – 03.06.09 in Iowa City, Iowa: invited talk.
- 34) 89th Annual meeting of the American Society of Ichthyologists and Herpetologists 2009 22.07.09 – 27.07.09 in Portland (Oregon): Talk & Symposium organizer (with Jerry Johnson)
- 35) 4th European Conference of Poeciliid Biologists in St Andrews (Scotland). 13.06.10 – 16.06.10: talk
- 36) Evolution Meeting 2010 25.07.10 – 29.07.10 Portland (Oregon): talk.
- 37) 104th Annual Meeting of the Deutsche Zoologen Gesellschaft 09.09.11 – 12.09.11 in Saarbrücken (Germany): talk.
- 38) Annual Conference of the German Genetics Society 14.09.11 – 16.09.11 in Würzburg (Germany).
- 39) 60th Annual Meeting of the Southwestern Association of Naturalists (SWAN) 04.04.13 – 06.04.13 in Lake Charles, Louisiana: talk, 2 posters.
- 40) 50th Animal Behavior Conference 28.07.13 – 01.08.13 in Boulder, Colorado: 2 talks, 1 poster.
- 41) Third Poeciliid Conference 14.02.13 in Austin, Texas: 2 talks.
- 42) Lessons from Europe Symposium (Prof. Mitchell Smith) 03.04.14 in Norman, OK: invited panelist.
- 43) 61st Annual Meeting of SWAN 17.04.14 – 20.04.14 in Stillwater, Oklahoma: 1 talk, 1 poster.
- 44) Xth International Interdisciplinary Scientific Research Congress, 12 – 13.6. 14 in Santo Domingo: 1 talk, organized a symposium on conservation of fishes and amphibians in the Caribbean.
- 45) Evolution 2014 20.6.14 – 24.6.14 in Raleigh, North Carolina: 2 talks.
- 46) VIth Conference of Poeciliid Biologists 2. – 5.9.14 in Exeter, England: 4 talks.
- 47) ESA Education Conference 2. - 5. 10. 14 in San Jose, California: 1 talk (about Cornerstone project).
- 48) Big 12 Water Conference 17. – 18. 11. 14 in Lawrence, Kansas: no talk.
- 49) ASAB Winter meeting 3. – 4. 12. 15 in London, UK: no talk.
- 50) Evolution Conference 17. – 21. 6. 16 in Austin, Texas: 1 talk.
- 51) ISBE Conference 28. 7. – 2.8. 16 in Exeter, UK: 1 poster.
- 52) Big 12 Water Conference 27. – 28. 9. 16 in Waco, Texas: no talk.

- 53) Ecological Genomics Conference 28. - 30. 10. 16 in Kansas City, Missouri: no talk.
- 54) Conference on Statistics in Research and Teaching 15. 11 16 in Norman, Oklahoma: 1 talk.
- 55) Global Research in the 21st Century, Humboldt Foundation 02.03 – 04.03.2017 in Washington, DC: 1 talk
- 56) 7th Meeting of Poeciliid Biologists, 24 – 26. 5. 2017 in Norman, OK: co-organizer, 1 talk
- 57) 64th Meeting of the Southwestern Association of Naturalists in Lawton, Oklahoma, 13. – 15. 4. 2017: 1 poster
- 58) Behaviour 2017 30. 7. 17 – 4. 8. 17 in Estoril, Portugal: organized a symposium, 2 talks, 2 posters
- 59) 4th Life Discovery - Doing science, ESA/SSE 19. – 21. 10. In Norman, OK: 1 talk
- 60) ASAB Winter Meeting 7.12.17 – 8.12.17 in London, England. 1 talk, 1 poster.
- 61) LACCCB Meeting 25. – 27.7.18 in St. Augustine, Trinidad & Tobago. 1 talk, co-convener of symposium.
- 62) Talking evolution conference 26. – 28. 9.18 Max-Planck Institute, Plön, Germany. 1 talk
- 63) 4th Annual Conference Caribaea Initiative, 15. – 17. 5. 19, Santo Domingo, Dominican Republic, Invited keynote speaker.
- 64) Hybrid Symposium 12.6.- 14.6.19, Hamburg, Germany. 1 talk

Invited Seminars

- 1) 28.8.92: "Pseudomale Behavior and Male Choice in *Poecilia formosa*". University of Texas at Austin, Department of Zoology (Prof. Dr. David Crews).
- 2) 9.12.92.: "Verhaltensökologie von *Poecilia formosa*." Universität Zürich, Zoologisches Institut (Prof. Dr. Heinz - Ulrich Reyer).
- 3) 30.4.93: "Male mate choice in the *Poecilia mexicana*/*P. formosa* complex: Behavioral ecology in Mexican Freshwater Fishes". Texas A & M University, Marine Mammal Research Program, Galveston, Texas (Prof. Dr. Bernd Würsig).
- 4) 22.6.94: "Verhaltensökologie des Amazonenkärpflings *Poecilia formosa*". Universität Würzburg (Prof. Dr. Bert Hölldobler).
- 5) 30.11.94: "Das Paarungssystem des gynogenetischen Amazonenkärpflings *Poecilia formosa* aus Sicht der Wirtsmännchen: warum mit *P. formosa* kopulieren?" Max Planck Institut für Verhaltensphysiologie, Seewiesen (Dr. Nico Michiels).
- 6) 15.1.96: "Ökologie und Verhalten des gynogenetischen Amazonenkärpflings, *Poecilia formosa*". Lehrstuhl für Ökologie, München (Prof. Dr. W. Gabriel).
- 7) 12.6.96: "An unusual mating system: how Amazon Mollies and their hosts get along." Vertebrate Natural History Series, Smithsonian Institution, Washington, DC (Dr. Richard Vari).
- 8) 26.4.97: "The mating system of the Amazon Molly: how unisexuals get along. Zoologisches Institut der Universität Basel (Prof. Dr. S. Stearns).
- 9) 17.1.98 "Stabilität des Paarungssystems des eingeschlechtlichen Amazonenkärpflings, *Poecilia formosa*: wie kommt es zu Kopulationen mit Wirtsmännchen?" Eingeladener Talk zum Graduiertentreffen der DZG (Dr. Thomas Hoffmeister/Dr. Ralph Tiedemann).
- 10) 11.3.98 "Social behavior in *Poecilia formosa* and the host species *P. mexicana* and *P. latipinna*" Instituto Tecnológico de Cd. Victoria, Tamaulipas, Mexiko. (Dr. Francisco Javier Garcia de Leon).
- 11) 28.4.98 "Stabilität des Paarungssystems des gynogenetischen Amazonenkärpflings *Poecilia formosa*: welche Rolle spielt "mate copying"?" Universität Bielefeld, Lehrstuhl für Verhaltensforschung (Prof. Dr. Fritz Trillmich).
- 12) 13.10.98 "Species interactions in a unisexual/sexual mating complex: towards harmony?" Instituto Superior de Psicologia Aplicada, Lissabon, Portugal (Prof. Dr. Rui Oliveira).
- 13) 26.2.99 "Species interactions in a unisexual/sexual mating complex of Mollies" Universität München (Prof. Dr. Gerhard Neuweiler).
- 14) 14.9.99 "Stability of the mating system of the unisexual Amazon molly: the role of species interactions" University of Kentucky (Prof. Dr. Andy Sih).
- 15) 9.11.99 „Amphibienschutz an Straßen: Möglichkeiten und Beispiele“ Universität Essen (Prof. Dr. Burda/Dr. Klauer).
- 16) 23.6.00 "Stability of a unisexual/bisexual mating system" University of California, San Diego. (Prof. Dr. Karen Marchetti).
- 17) 16.7.00 "Teaching fish to watch TV: creative use of multi-media in fish research". Workshop on "Molecular Biology & Medicine and Environmental Sciences" Portuguese Pavilion EXPO 2000, Hannover (Prof. Dr. Quintanilha).
- 18) 13.11.00 "Evolution and ecology of the unisexual Amazon molly: stability of the mating complex" University of Texas at Brownsville and Southmost College (Prof. Dr. David McNeely).

- 19) 20.11.00 "Evolution and ecology of the unisexual Amazon molly: stability of the mating complex" Southwest State University San Marcos (Prof. Dr. Caitlin Gabor).
- 20) 10.1.01 "Verhaltensökologie des eingeschlechtlichen Amazonenkärpflings *Poecilia formosa*" Universität Leipzig (Prof. Dr. Schlegel).
- 21) 21.9.01 "Behavioral Ecology of the Amazon Molly, *Poecilia formosa*" University of Eastern New Mexico, Portales, New Mexico (Prof. Dr. Marv Lutnesky).
- 22) 27.9.01 "Verhaltensökologie des eingeschlechtlichen Amazonenkärpflings, *Poecilia formosa*. Österreichische Akademie der Wissenschaften, Wien.
- 23) 30.11.01 "Behavior and Ecology of the unisexual Amazon molly (*Poecilia formosa*)" Universität Zürich, Switzerland (Prof. Dr. Uli Reyer).
- 24) 11.1.02 "Verhaltensökologie eingeschlechtlicher Vertebraten: der Amazonen-kärpfling als Modellsystem" Zoologisches Institut der Universität Hamburg (Prof. Dr. Joerg Ganzhorn).
- 25) 29.4.02 "Verhalten und Ökologie des Amazonenkärpflings" Max Planck Institut für Verhaltensphysiologie Seewiesen (Prof. Dr. Wolfgang Wickler).
- 26) 12.6.02 "Behavior and ecology of unisexual vertebrates: the Amazon molly as model system". Zoologisches Institut der Universität Bern (Prof. Dr. Michael Taborsky).
- 27) 15.7.02 "An integrative approach to understanding sex: biology of the unisexual Amazon molly, *Poecilia formosa*". Woods Hole Marine Science Institute/Boston University Marine Program (Prof. Dr. Jelle Atema).
- 28) 29.10.02 "Behaviour and Ecology of a unisexual vertebrate: an integrative approach to understanding a model system". Eidgenössische Technische Hochschule Zürich (Prof. Dr. Paul Schmid-Hempel).
- 29) 4.11.02 "Sex, lies and videotape: ein eingeschlechtlicher Fisch im Lichte der Wissenschaft". Antrittsvorlesung an der Mathematisch – Naturwissenschaftlichen Fakultät, Universität Zürich (Prof. Dr. Rüdiger Wehner).
- 30) 28.1.03 "An integrative approach to understanding sex: biology of the unisexual Amazon molly, *Poecilia formosa*" Zoologisches Institut der Universität Potsdam (Prof. Dr. Ralph Tiedemann)
- 31) 10.3.03 "Facing many problems: a clonal fish as model system in behavior, ecology, and genetics" Department of Zoology, University of Padova (Prof. Dr. Andrea Pilastro).
- 32) 13.5.03 "Signalling and the social environment" Department of Zoology, University of Leiden (Prof. Dr. Carel tenCate).
- 33) 13.6.03 "Ecology and evolution of the unisexual Amazon molly: putting mating decisions in a context" Zoologisches Institut der Universität Potsdam (Prof. Dr. Ralph Tiedemann).
- 34) 1.7.03 "Ecology and evolution of the unisexual Amazon molly: putting mating decisions in a context", Zoologisches Institut der Universität Zürich (Prof. Dr. Uli Reyer).
- 35) 30.10.03 "Mating decisions in their context: the Amazon molly as a case study", Section of Integrative Biology, University of Texas at Austin (Prof. Dr. Mike Ryan).
- 36) 12.11.03 "Mating decisions in their ecological and social context: the unisexual Amazon molly as a case study" University of California, Los Angeles (Prof. Dr. Greg Grether).
- 37) 13.11.03 "Mating decisions in their ecological and social context: the unisexual Amazon molly as a case study" University of California, Riverside (Prof. Dr. Marlene Zuk).

38) 17.11.03 "Placing mating decisions in a context: mate choice in Mollies (*Poecilia*).” Woods Hole Oceanographic Institute, Woods Hole, MA (Dr. Stefan Sievert).

39) 15.1.04 "Ecology and evolution of the unisexual Amazon molly: putting mating decisions in a context “ Zoologisches Institut Universität Münster (Prof. Dr. Nico Michiels).

40) 30.1.04 "Biologie und Ökologie des Amazonenkärpflings: eine unisexuelle Art als Modellsystem” Institut für Gewässerökologie und Binnenfischerei/Humboldt Universität Berlin (Prof. Dr. Uwe Jens Nagel).

41) 26.2.04 "Placing mating decisions in a context: mate choice in sexual and asexual live-bearing fishes (*Poecilia*).” Animal Behaviour Group, University of Copenhagen (Dr. Guiliano Matessi).

42) 25.3.04 "Placing mating decisions in a context: mate choice in sexual and asexual live-bearing fishes (*Poecilia*).” Department of Zoology, University of Oklahoma (Prof. Dr. Garry Schnell).

43) 25.11.04 "Placing mating decisions in a context: mate choice in sexual and asexual live-bearing fishes (*Poecilia*).” ISPA, Lisbon (Prof. Dr. Rui Oliveira).

44) 28.04.05 "Mating decisions and the environment” Langston University, Langston OK (Prof. Dr. David McNeely).

45) 10.02.06 "Mating decisions and the environment” Oklahoma State University, Stillwater (Prof. Dr. Tony Echelle).

46) 28.06.06 "Ecology, behavior and parasites in the unisexual Amazon molly (*Poecilia formosa*)” Konrad Lorenz Institut für Vergleichende Verhaltensforschung (Prof. Dr. Dustin Penn).

47) 06.07.06 "Ecology, behavior and parasites in the unisexual Amazon molly (*Poecilia formosa*)” Humboldt Universität Berlin (Prof. Dr. Andreas Elepfandt).

48) 06.12.06 "Ecology, Evolution and Behavior of mollies” mid-tenure seminar University of Oklahoma

49) 26.03.07 "Ecology, Evolution and Behavior of mollies” University of Hull (Prof. Dr. Jörg Hardege).

50) 22.08.07 "The mystery of stability: Coexistence of sex and asex in mollies” tenure seminar University of Oklahoma.

51) 18.10.07 "The mystery of stability: Coexistence of sex and asex in mollies” University of Texas at Austin (Prof. Dr. Christine Hawkes).

52) 16.11.07 "Ecology, Evolution and Behavior of mollies” Eastern New Mexico University (Prof. Dr. Marvin Lutnesky).

53) 11.04.08 "Ecology and Evolution of a Unisexual Fish, the Amazon Molly” Indiana University (Prof. Dr. Armin Moczek).

54) 10.09.08 "Coexistence of sex and asex in mollies” Northeastern State University Tahlequah (Prof. Dr. John deBanzie).

55) 31.10.08 "Ecology, Evolution and Behavior of mollies” Centro Investigacion Biologica del Noreste (CIBNOR) (Prof. Dr. Francisco Garcia de Leon).

56) 20.11.08 "Coexistence of sex and asex in mollies” Brigham Young University (Prof. Dr. Jerry Johnson).

57) 20.03.09 "Coexistence of sex and asex in mollies” National University of Singapore (Prof. Dr. Christoph Winkler).

- 58) 15.01.10 "Ecology and Evolution of the Amazon Molly" UNIVERSIDAD JUAREZ AUTONOMA DE TABASCO DIVISION ACADEMICA DE CIENCIAS BIOLOGICAS (Prof. Dr. Lenin Arias Rodriguez).
- 59) 11.03.10 "Comparing sexuality and asexuality in mollies" University of Kentucky (Prof. Dr. Craig Sargent).
- 60) 12.03.10 "Incipient speciation based on abiotic factors in a cave fish" University of Kentucky (Prof. Dr. Craig Sargent).
- 61) 07.10.10 "Coexistence of asexual and sexual forms" Texas Tech University (Prof. Dr. Ximena Bernal).
- 62) 30.11.10 "Ökologie und Evolution bei Poeciliiden" University of Bayreuth (Prof. Dr. Stefan Schuster).
- 63) 24.10.11 "Ecology and Evolution in Livebearing Fishes" University of Potsdam (Prof. Dr. Ralph Tiedemann).
- 64) 02.11.11 "Ecology and Evolution in Livebearing Fishes" University of Potsdam (Prof. Dr. Jana Eccard).
- 65) 16.11.11 "Wie sexuelle und asexuelle Fische zusammenleben: welche Rolle spielt Verhalten?" University of Siegen (Prof. Dr. Klaudia Witte).
- 66) 06.12.11 "Ecology and Evolution in Livebearing Fishes" University of Bristol (Prof. Dr. Innes Cuthill).
- 67) 20.12.11 "Ecology and Evolution in Livebearing Fishes" University of Frankfurt (Prof. Dr. Bruno Streit).
- 68) 12. 3. 2012 "Ecology and Evolution in Livebearing Fishes" University of Oxford (Dr. Christian Rutz).
- 69) 13. 3. 2012 "Ecology and Evolution in Livebearing Fishes" University of Exeter (Dr. Safi Darden).
- 70) 15. 3. 2012 "Ecology and Evolution in Livebearing Fishes" University of Sheffield (Dr. Rhonda Snook).
- 71) 27. 3. 2012 "Sex and no-sex in Livebearing Fishes" University of Würzburg (Prof. Dr. Manfred Schartl).
- 72) 19. 4. 2012 "Sex and no-sex: Ecology and Evolution in Livebearing Fishes" Naturkundemuseum Berlin (Dr. Andreas Wessel).
- 73) 23. 4. 2012 "Sex and no-sex in livebearing fishes" University of Konstanz (Prof. Dr. Axel Meyer).
- 74) 26. 4. 2012 "Sex and no-sex in livebearing fishes" Austrian Academy of Science Mondsee (Dr. Dunja Lamatsch).
- 75) 28. 7. 2012 "Cool Frogs and Fish and Why We Should Care" University of Zürich (Dr. Josh van Buskirk) (Retirement Symposium for Uli Reyer).
- 76) 18.9.2013 "Asex, sex, and speciation in livebearing fishes" Texas A&M University (Prof. Dr. Gil Rosenthal).
- 77) 06.11.2013 "Asex, sex, and speciation in Livebearing fishes" SUNY Stony Brook (Prof. Dr. Douglas Futuyma).
- 78) 15.11.2013 "Asex, sex, and speciation in Livebearing fishes" University of Tulsa (Prof. Dr. Peggy Hill).

79) 17.01.2014 “Amazon tales” (Symposium in Honor of Michael J. Ryan’s 60th birthday) University of Texas at Austin (Dr. Heidi Smith-Parker).

80) 17.03.2014 “Asex, sex, and speciation in Livebearing fishes” Ministry of Higher Education, Science and Technology (Dr. Carlos Rodriguez). Santo Domingo, Dominican Republic.

81) 18.09.2014 “Love and war in fishes: Integration of Research and Teaching” University of Central Oklahoma, Edmond, Oklahoma (Dr. Troy Baird).

82) 19.10.2015 “Ecology and evolution in livebearing fishes: sex, asex, and more” University of Missouri, Columbia, Missouri (Dr. Bing Zhang/Dr. Carl Gerhardt).

82) 29.10.2015 “Life history evolution in livebearing fishes: aging in wild organisms” OU Health Sciences Center, Oklahoma Nathan Shock Aging Center (Dr. Arlan Richardson)

83) 13.12.2015 “The Amazing Social Life of Freshwater Fishes” Oklahoma City University, Oklahoma Academy of Science (invited keynote) (Dr. Stanley Rice).

84) 03.12.2015 “Behaviour and Ecology of the Amazon Molly” Royal Holloway University of London, Department of Biology (Dr. Rüdiger Riesch).

85) 22.02.2016 “Behavior and Ecology of Livebearing Fishes” Missouri University of Science and Technology, Rolla, Missouri, Department of Biological Sciences (Dr. Dave Westenberg).

86) 31.03.2016 “The Amazing Social Life of Fishes”, John Tanner Distinguished Lecture, Monte L. Bean Life Science Museum, Brigham Young University, Provo, Utah (Dr. Jerry Johnson) (invited public lecture; <http://mlbean.byu.edu/Events/Lectures.aspx>).

87) 08.09.2016 “Ecology and evolution of the Amazon molly: a fish with no sex”, Carleton University, Ottawa, Canada (Dr. Jean-Guy Godin).

88) 19.07.2017 “Behavior and Ecology of Livebearing Fishes”, University of Cologne, Germany (Dr. Hartmut Arndt).

89) 09.03.2018 Baton Rouge “Behavior and Ecology of Livebearing Fishes”, Louisiana State University (Dr. Prosanta Chakrabarty).

90) 28.11.2018 “Behavior and Ecology of Livebearing Fishes”, University of Hamburg, Germany (Dr. Jutta Schneider).

91) 08.04.2019 “Behavior and Ecology of Livebearing Fishes”, University of Potsdam, Germany (Dr. Ralph Tiedemann).

92) 17.04.2019 “Behavior and Ecology of Livebearing Fishes”, Leibnitz-Institut für Gewässerbiologie und Binnenfischerei, Berlin, Germany (Dr. Kate Laskowski).

93) 03.06.2019 “Behavior and Ecology of Livebearing Fishes”, Institut für Vogelforschung, Vogelwarte Helgoland Wilhelmshaven (Dr. Sandra Bouwhuis).

94) 24.06.2019 “Behavior and Ecology of Livebearing Fishes”, University of Bonn (Dr. Timo Thuenken).

95) 09.07.2019 “Ecology and Evolution of the amazing Amazon molly – life without recombination” Czech Academy of Sciences, Libechov/Prague (Dr. Karel Janko).

96) 20.02.2020 “Freshwater fishes and Water Resources: conflicts and (big) solutions” University of the West Indies Mona Campus, Kingston, Jamaica (Dr. Philip Rose).

97) 21.02.2020 “Behavior and Ecology of Livebearing Fishes” University of the West Indies Mona Campus, Kingston, Jamaica (Dr. Philip Rose).

98) 19.02.2021 “Extreme speciation”. University of California, Berkeley. Via Zoom. (Dr. Silu Wang).

99) 15.12.2021 "Male mate choice and female competition" University of Padua Marine Station, Chioggia (Dr. Gil Rosenthal)

100) 16.12.2021 "Ecology and Evolution of the amazing Amazon molly – life without recombination" University of Padua, Padua (Dr. Gil Rosenthal).

Teaching

Hamburg:	"Experimental Ethology" including biostatistics (lab) "Conservation and Behavior" (lab) "General Zoology" (lab) "Behavioral Ecology of Fishes" Lecture "Evolution" Lecture and lab "Sociobiology" Lecture and lab "Introduction into Ecology" Lecture "Introduction to Animal Behavior" Lecture "Behavioral Ecology"
Würzburg:	"Behavioral Biology" (lab)
Zürich:	"Ecology" (lab) "Behavioral Ecology of Fishes" (class) "Vertebrate biology" (lecture and lab)
Norman:	"Quantitative Biology" (lecture) "Animal Communication" (lecture) "Senior Seminars" (Sociobiology, Darwinian Medicine) "Animal Behavior" (lecture) every second spring semester "Andes to Galapagos" Tropical Biology field course "Cornerstone" a research-based course "Tropical Ecology" Field course in Cuba

Service

Editor: Acta Ethologica (Associate editor/Reviews editor) (until 2013), Southwestern Naturalist (Associate Editor), Current Zoology (Associate Editor).

Reviewer (Journals): Acta Ethologica, Acta Zoologica, American Naturalist, Animal Behaviour, Animal Cognition, Aquaculture Research, Behavioral Ecology and Sociobiology, Behavioral Ecology, Behavioural Processes, Biological Journal of the Linnean Society, BMC Evolution, Chromosome Research, Conservation Genetics, Current Biology, Current Zoology, Cytogenetics and Cell Genetics, Conservation Biology, Ecology, Ecology & Evolution, Ecology of Freshwater Fishes, Environmental Biology of Fishes, Ethology, Ethology Ecology & Evolution, Evolution,

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Evolutionary Biology, Evolutionary Ecology, Functional Ecology, Heredity, Herpetological Journal, Hydrobiologia, Journal of Animal Ecology, Journal of Ethology, Journal of Evolutionary Biology, Journal of Fish Biology, Journal of Insect Science, Journal of Morphology, Journal of Zoology, Marine Biology Research, Molecular Ecology, Naturwissenschaften, Oecologia, OIKOS, PLoSOne, Proc. Roy. Soc. B Biology Letters, Proc. Roy. Soc. B., PNAS, Reproductive Biology, Royal Society Open Science, Trends in Ecology and Evolution, Zoology in the Middle East.

Reviewer (Panels/Organizations)

Agence National de la Recherche, BBSRC, Canadian Research Council, CONACYT, DAAD, Czech Science Foundation, Deutsche Forschungsgemeinschaft, International Foundation for Science, GWIS, Leverhulme Trust, National Geographic Society, NSERC, NSF (ad hoc and panel), Swiss National Fund, Vern Parish Fund. Tenure & Promotion reviewer for several universities in the US and abroad.

Other service:

1996: on behalf of American Society of Ichthyologists and Herpetologists I organized a Symposium on unisexual fishes.

1998: Co-founder of the Hamburgischen Gesellschaft für Verhaltensbiologie e.V.. I served as its president for two years. Aim of the society was the advancement of behavioral sciences in Hamburg.

1999: Co-organized a workshop "Video playback techniques in fishes", in Lisbon.

2003: Co-organized the BIO 03 conference of the Swiss Zoological, Botanical and Mycological Society

2003: Organized the First European Meeting of Poeciliid Biologists. The meeting was held in Zürich, Dec. 1 and 2. 2003 (Funding from SNF, DZG & SZG).

2006: Co-organized a meeting for Evolution and Animal Behavior (March 3-4) at the UO Biological Station.

2006 - 2007: Organizer of the Departmental Seminar Series at OU.

2006: Member of the Selection panel for Undergraduate Adams Fellowships & Graduate Selection Committee, Chairman of the Seminar Committee, Chairman of the Building and Space Committee.

2007: Co Chair of the Green Team, Building and Space Committee.

2008: Co Chair of the Green Team, Building and Space Committee, Seminar Committee, Steering Committee for "Darwin09", Organizing Committee for "Evolution Meeting 2011", Adams Fellowship Selection Committee. Co – editing a book on Livebearing Fishes. Co-organizing a Symposium for ASIH 2009 (with Jerry Johnson), member of Committee A, member of the Steering Committee for the Implementation of Ethics Training at OU.

2009: Co Chair of the Green Team, Building and Space Committee, Seminar Committee, Steering Committee for "Darwin09", Organizing Committee for "Evolution Meeting 2011", Adams Fellowship Selection Committee. Co – editing a book on Livebearing Fishes. Co-organizing a Symposium for ASIH 2009 (with Jerry Johnson), member of Committee A, member of the Steering Committee for the Implementation of Ethics Training at OU, member of Long Range Planning

Committee, Faculty Advisor for student group “Center for Inquiry”, Support of Faculty Committee for CAS.

2010: Building and Space Committee, Chair of Seminar Committee, Co Chair of Organizing Committee for “Evolution Meeting 2011”, Adams Fellowship Selection Committee. Co – editing a book on Livebearing Fishes (finished and book will be out in 2011), elected member of Committee A (term ended in June 2010), member of Long Range Planning Committee, member of Search Committee in Botany/Microbiology), Faculty Advisor for student group “Center for Inquiry”, Support of Faculty Committee for CAS.

2011: Building and Space Committee, Chair of Seminar Committee, Co Chair of Organizing Committee for “Evolution Meeting 2011”, Adams Fellowship Selection Committee. Co – editing a book on Livebearing Fishes (finished and book will be out in 2011), member of Long Range Planning Committee, member of Search Committee in Botany/Microbiology), Support of Faculty Committee for CAS. On sabbatical leave from August 2011 to August 2012 (Guest professor at University of Potsdam).

2012: elected member of the College of Arts and Science Executive Committee. Committee A for the Collage of Arts and Sciences, Chair of the Website Committee of the Biology Department, Assistant Chair of Biology. Member of the Anthropocene Faculty Learning Community. Serving as Faculty in Residence for Walker Center.

2013: elected member of the College of Arts and Science Executive Committee. Committee A for the College of Arts and Sciences, Chair of the Curriculum Task Force of the Biology Department, Assistant Chair of Biology. Elected member of the Board of Governors of the Southwestern Association of Naturalists (SWAN). Member of the Anthropocene Faculty Learning Community. Serving as Faculty in Residence for Walker Center. Organized and led the Aquatic Biology Consortium at OU. Member of Search Committee for the Dean of Arts and Sciences. Volunteered for New Biology Advising model.

2014: elected member of the College of Arts and Science Executive Committee. Committee A for the College of Arts and Sciences, Assistant Chair of Biology. Member of the Anthropocene Faculty Learning Community. Serving as Faculty in Residence for Walker Center. Recipient of the HCSA Community Builder Award. Organized and led the Aquatic Biology Consortium at OU. Volunteered for New Biology Advising model. Elected Chair of the Aquatic Research Facility Steering Committee, Member of OU Green Zone, Member of Faculty Advisory Committee for the OU Undergraduate Research Journal (<http://www.ou.edu/ouubsj/index.html#.U2K00sevxAd>), Symposium organizer for the 10th International Interdisciplinary Scientific Research Congress in Santo Domingo, Sooner Ally, Associate Dean for Faculty and Research.

2015: Associate Dean for Research, Member of the Anthropocene Faculty Learning Community, Elected member of the Board of Governors of the Southwestern Association of Naturalists (SWAN), Associate Editor for SWAN.

2016: Associate Dean for Research (until June), Member of the Anthropocene Faculty Learning Community, Elected member of the Board of Governors of the Southwestern Association of Naturalists (SWAN), Associate Editor for SWAN. External Reviewer for several Tenure & Promotion Cases. External reviewer for a PhD defense in Canada. Member of Mammology Curator search committee.

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2017: Member of the Anthropocene Faculty Learning Community, Elected member of the Board of Governors of the Southwestern Association of Naturalists (SWAN), Associate Editor for SWAN, member of Ichthyology Curator search committee.

2018- present: Member of the Anthropocene Faculty Learning Community, Associate Editor for SWAN, Associate Editor for Current Zoology, Chair of Development Committee.

Mentoring of students:

Post-doctoral students (7): Ricardo Matos, Martin Plath, Katja Heubel, Susana Varela, Brad Johnson, Amber Makowicz, Waldir Miron.

Doctoral students (11): Kay Körner, Marion Döbler, Dirk Möller, Katja Heubel, Martin Plath, Michael Tobler, Ruediger Riesch, Amber Makowicz, Carolyn Burt, Montrai Spikes, Rodet Rodriguez Silva.

Diploma and Masters students (16): Meike Waschulewski, Kay Körner, Michael Wenzel, Jens Poschadel, Heike Passenheim, Giorgina Obrist, Michael Tobler, Laura Ewing, Cornelia Hinz, Claus Fischer, Amber Makowicz, Samantha Rhodes, Brandon Joachim, Luis Arriaga, Elizabeth Hardy, Shelby Burrige.

Teacher licence students (German System) (5): Anne Schlüter, Katrin Landmann, Tanja Ollmann, Katja Hornhardt, Wiebke Sachs.

Bachelor and Masters Students (German System) (3): Claudia Fischer, Gesa Loof, Ulrike Scherer.

Undergraduate students supervised (various projects, including honors) (67): Brandon Brown, Megan Moore, Sarah Kern, Jared Gilbert, Amber Makowicz, Sarah Ali, Naomi Kim, Jennifer Place, Wade deJager, WonJon Lee, Jerrin Presley, Taylor Hansen, Jackie Welch, Trey van Parham, Michelle Templeton, Marquita MacDonald, Kimberly Hammock, Kellye Kronbeck, Jennifer McCutcheon, Rhett Williams, Lauren Brush, Jordan Curtis, Ellen McCoy, Eric Dumas, Sam Bonge, Heather Campbell, Ben Schleifer, David Hoover, M.L. Henry, Jessica Tanner, Annalisa Manning, Mason Marcus, Willis Sontheimer, Katie Taylor, Joseph Nigh, Teresa Sciortino, Tana Moore, Darrshini Muthurajah, Katie Vanchiere, Thuc-Vi Nguyen, Rachel Steele, Mohsain Gil, Julie Sorrells, Sindhu Garimella, Saba Bingabr, Tara McDonald, Jessica Murphree, Jessica Ackerman, Parker Fleming, Romy Fawaz, Reagan Cannetti, Ryan Nigh, Margaret Zwick, Sophia Huebler, Zeewshawn Beg, Nabiha Ahmad, Isaih Caldwell, Rachel Hazlitt, Annie Wang, Ben Conard, Abby Hardin, Kayla Sitton, Thorup Swapa, Tyler Reich, Caden Smith (REU), Alex Grimsley.

International students (various projects) (8): Norbert Syska, Sabrina Rüschenbaum, Cornelia Reiker, Andreas Becker, Ana Laura Hernández Rosas, Manuel Sapage, James Josaphat, Kerri-Ann Bennett.

Collaborations

Dr. L. Arias-Rodriguez (Ecology and evolution of the Cave molly)

Dr. B. Eskridge (Evolution of leadership in robots)

Dr. F. Garcia de Leon (Ecology and evolution of mollies)

Dr. D. Hougen (Evolution of nurturing in robots)

Dr. M. Plath (Behavior and ecology of livebearing fishes)

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Dr. R. Tiedemann (Genetics and genomics of livebearing fishes)

Dr. M. Tobler (Ecology and evolution of livebearing fishes)

Dr. Susana Varela (non-independent mate choice)

Dr. Francisco Ubeda (Evolution of gynogenesis)

Dr. Karel Janko (Evolution of sex).