



## UAG Pröhl

### Main research topics Evolutionary Biology

Influence of ecological and sexual selection on phenotypic polymorphism in strawberry poison frogs *Oophaga pumilio*  
Dreher C, [Pröhl H](#)  
External cooperation: M. Cummings (Texas)

Anti-predator strategies in aposematic and cryptic colour morphs in poison frogs  
Executives: [Pröhl H](#), Willink B, Ostrowski T,  
External cooperation: F. Bolaños (San Jose)

### Behavioral Ecology and Communication

Female mate choice tactic and preferences in the neotropical strawberry poison frog, *Oophaga pumilio*  
Executives: [Meuche I](#), [Pröhl H](#)  
External cooperation: E. Linsenmair (Würzburg), A. Keller (München)

Effect of intestinal parasite infection on sexual signals and reproductive behaviour in poison frogs  
Executives: [Pröhl H](#), Eulenburg J, [Meuche I](#)  
External cooperation: F. Bolaños (San Jose)

Territorial behaviour and food defense in female strawberry poison frogs  
Executives: Scherm M, [Meuche I](#), Dreher C, [Pröhl H](#)  
External cooperation: S. Meneses Ospina (Heredia, Costa Rica)

A test of the bioacoustic adaptation hypothesis in a poison frog  
Executives: Anglis-Arkell C, Schmidt S, [Pröhl H](#)  
External cooperation: Wosniok (Bremen)

### Phylogeography

Divergent evolution in the granular poison-dart frog, *Oophaga granulifera*: molecular, bioacoustic and phenotypic evidences  
Executives: Brusa O, [Pröhl H](#)  
External cooperation: N Mundy (Cambridge), A Bellati (Pavia)

Phylogeography of the dendrobatid frog genus *Oophaga*  
Executives: Amezcuita A, [Pröhl H](#)  
External cooperation: A Crawford (Bogota), S Ron (Quito),

Phylogeography of strawberry poison frogs in Nicaragua  
Executives: Vences M, Hauswaldt S, [Pröhl H](#)  
External cooperation: D Galindo (Bogota), J Sunnier (Managua), A Amezcuita (Bogota)

### Amphibien Conservation (Genetics)

Effect of raccoon predation on native toad populations  
Executives: [Meuche I](#), Cruz Diaz JC, Anastasiadis S, Knorr K, Keuling O, [Pröhl H](#)  
External cooperation: H Buschmann (NABU Niedersachsen)

Phylogeographie and population structure of the European tree frog (*Hyla arborea*) for supporting effective species conservation  
Executives: Krug A, Kirchhoff J, [Pröhl H](#)

Population biology and genetic relationship of an isolated population of the European tree frog (*Hyla arborea* L.) in the meadows of the rivers Elster and Luppe in Ermlitz /Saxony-Anhalt  
Executives: Krug A, Grosse WR

Conservation genetics and phylogeography of the endangered yellow bellied toad (*Bombina variegata*) in Germany. Consequences for species conservation.  
Executives: Knorr K, Lahmann R, Voß S, [Pröhl H](#)  
External cooperation: H Buschmann (NABU Niedersachsen)

Population structure and gene flow of the agile frog (*Rana dalmatina*) in disturbed and undisturbed areas  
Executives: Hauswaldt S, Hindersin J, Goldhausen C, [Pröhl H](#)  
External cooperation: R Podlucky (NLWKN Niedersachsen)

Genetic population structure of the endangered Darwins frog *Rhinoderma darwinii* in Chile  
Executives: Bourke J, Krug A, [Pröhl H](#)

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