Fish and Amphibians research @Unibe

29-30. November 2021

We are very happy to announce the **first non-mammalian focused webinar** presenting **research** activities performed **at the University of Bern** but also husbandry practices with leading experts in the field. We are honoured to have also **international specialists** sharing their know-how with less common species or set–up such **cephalopods, research with wild fish and welfare.**

Please use this link to register.

Fee: University of Bern participants, free; external participants: 80 CHF (via Payrexx).

Accreditation as 2 days of continuing education for personnel performing animal experiments by the Swiss Association of Cantonal Veterinarians (VSKT) requested

Monday 29. Nov 2021

Time (H)	Species	Speaker	Topics
09:00-09:30	Gekkonidae Dendrobatidae	Prof. Dr. **E. Ringler** *Division Behavioural Ecology, University of Bern, CH*	Behavioral research in amphibians/lizards in the lab:a problems, challenges, and opportunities
09:40-10:10	Cichlidae	Prof. Dr. **O. Seehausen** *Division Aquatic Ecology, University of Bern, CH*	How cichlid fish adaptive radiation research drives paradigm shifts in evolutionary biology
	BREAK		
10:30-11:00	Gasterosteidae	Prof. Dr. **K. Peichel** *Division Evolutionary Ecology, University of Bern, CH*	Sticklebacks as model systems for evolutionary genetics and genomics, quantitative trait locus (QTL) mapping
11:10-11:40	Salmonidae	Dr.Med.Vet. **N. Diserens** *Institute for Fish and Wildlife Health, University of Bern, CH*	Most prevalent diseases of Salmonidae
	LUNCH		
12:45-13:45	Cephalopods	Dr.Med.Vet., PhD **V. Galligioni** *Comparative Medicine Unit, Trinity College Dublin, Irland*	Biology, housing and nutrition of cephalopods
14.00-15:00	Cichlidae	Prof. Dr. **B. Taborsky** *Institute of Ecology and Evolution, University of Bern, CH*	Cichlids as model in behaviour; fish husbandry and handling
	BREAK		
15:30-16:30	Amphibians	Dr.Med.Vet., DECVP **S. Keller** *Institute for Fish and Wildlife Health University of Bern, CH*	Normal anatomy, anaesthesia/ euthanasia, and most prevalent diseases
16:30-17:30	Wild species	Prof. **S. Cooke** *Fish ecology and conservation physiology lab, Carlton University, Canada*	Working with wild fish in the wild... http://www.fecpl.ca/

Tuesday 30. Nov 2021

Time (H)	Species	Speaker	Topics
09:00-10:00	Danionidae	Prof. Dr. **I. Adrian-Kalchhauser** *Institute for Fish and Wildlife Health University of Bern, CH*	Impacts of evolutionary considerations and cross-generational effects on experimental design and outcomes
10:10-10:40	Danionidae	Prof. Dr. **S. Leidel** *Dep. for Chemistry, Biochemistry and Pharmacy, University of Bern, CH*	Generation of mutants, knockouts; Characterization of new phenotypes; next generation sequencing, single cell sequencing in fish
	BREAK		
10:50-11:20	Danionidae	Dr. **D. Grandgirard** *Institute for Infectious Diseases, University of Bern, CH*	Infectious models in Zebrafish – opportunities and challenges
11:20-11:40	Danionidae	M.Sc **N.D. Le** *Institute for Infectious Diseases, University of Bern, CH*	Danio Vision system for basic behavioural analysis
	LUNCH		
12:30-13:15	Danionidae	Mr. **A. U. Ernst** *Institute of Anatomy, University of Bern, CH*	The Zebrafish as a model in Developmental Biology and imaging based screening
13.15-14:00	Danionidae	Dr. **I. Marques** *Institute of Anatomy, University of Bern, CH*	Zebrafish as a model for organ regeneration, working with adult ZF
	BREAK		
14:15-15:15	Danionidae	Prof. Dr. **N. Mercader** *Institute of Anatomy, University of Bern, CH*	General Zebrafish husbandry and stock control.
15:20-16:20	Danionidae	PD. Dr.Med.Vet., DECVP **H. Schmidt-Posthaus** *Institute for Fish and Wildlife Health University of Bern, CH*	Most prevalent diseases of ZF and health monitoring programs
16.30-17:30	Danionidae	Dr. **L. Sneddon** *Dep. of Biological & Environmental Sciences, University of Gothenburg, Sweden*	Assessing and alleviating pain in zebrafish