Workshop on current, eternal, and interesting problems in comparative cardiovascular physiology

Friday May 3rd 2019

Venue: the workshop will be under the beautiful auspices of Aarhus Institute of Advanced Sciences (AIAS) in the eastern most part of the university park.

Social program: we will arrange for sandwiches for lunch and there will be cold beer and exquisite wines at the end of the day before we embark on a nice dinner for all participants at an appropriate but not yet disclosed venue.

9.15	**Tobias Wang** (Zoophysiology, Aarhus University) *Welcome and introduction*	
9.30	**Jim Hicks** (University of California Irvine, USA) *The future of comparative cardiovascular physiology is here—genomic insights into the evolution of physiological systems*	
09.55	**Dane Crossley** (University of Northern Texas, USA) *Convective Transport Response to Oil Exposure in Pelagic Saltwater Fish*	
10.20	*Coffee break*	
10.50	**Mikkel Thomsen** (Zoophysiology, Aarhus University) *Lactate as a cardiorespiratory stimulus*	
11.15	**Mark Bayley** (Zoophysiology, Aarhus University) *Cardiovascular anatomy and regulation in air-breathing fishes: all about branchial oxygen loss?*	
11.40	**Ken Olson** (Indiana University School of Medicine - South Bend, Indiana) *Reactive sulfide species or reactive oxygen species in vascular biology: can we separate fact from artifact?*	
12.05	*Lunch*	
13.00	**William Joyce** (Zoophysiology, Aarhus University) *Should we 'normalise' cardiac output to body mass?*	
13.25	**Renato Filogonio** (UFSCar – Brazil and Zoophysiology, Aarhus University) *Effects of body mass on cardiac function in the Burmese python*	
13.50	**Henrik Lauridsen** (Department of Clinical Medicine, Aarhus University) *Is cardiac innervation really required for cardiomyocyte proliferation and heart regeneration*	
14.15	**Catherine Williams** (Zoophysiology, Aarhus University) *What is ejection fraction in ectotherms? case study validating EF in the red-footed tortoise.*	
14.40	*Coffee break*	
15.10	**Bjarke Jensen** (Amsterdam Medical Center, Netherlands) *Variation in cardiac design: are mammals extreme?*	
15.35	**Jordi Altimiras** (Linkoping University, Sweden) *Sustaining a bird-like metabolism with a reptile-like heart. Achievements and challenges of the tinamous*	
16.00	**Matti Vornanen** (University of Eastern Finland, Joensuu, Finland) *How does electrical excitability limit heart rate in fish?*	
16.25	**Denis Abramochkin** (Lomonosov Moscow State University, Russia) *The location of cardiac pacemaker in snakes and the electrophysiology of the sinus venosus*