

SENSORY ECOLOGY 2020

SCHEDULE WEEK 1 (BIOLOGY BUILDING D, ROOM D205)

Sun	20/9	17.00-20.00	Registration
Mon	21/9	9.30-10.00	Coffee, Registration
		10.00-10.30	Welcome (EW, AK, CL)
		10.30-12.00	What is sensory ecology? (EW)
		12.00-13.00	Lunch
		13.00-15.00	Poster session 1: Even numbers
		15.00-15.30	Afternoon tea
		15.30-17.30	Poster session 2: Uneven numbers
		17.30-	Get together pub
Tue	22/9	09.00-10.30	Introductory lecture: Mechanoreception (FB)
		10.30-11.00	Morning tea
		11.00-13.00	Making sense of sensors: The clever "design" of spider mechanoreceptors (FB)
		13.00-14.00	Lunch
		14.00-15.30	Poster session 3: Posters 1-20
		15.30-16.00	Afternoon tea
		16.00-17.30	Poster session 4: Posters 21-40
Wed	23/9	09.00-11.00	Neuroethology of the fish lateral line (JM)
		11.00-11.30	Morning tea
		11.30-13.30	Seismic neuroethology in vertebrates: mechanisms and behavior (PN)
		13.30-14.30	Lunch
		14.30-15.30	Mechanoreception discussion
		15.30-16.00	Afternoon tea
		16.00-17.00	Poster session 5: Posters 1-20
		17.00-18.00	Poster session 6: Posters 21-40
Thu	24/9	09.00-10.30	Introductory lecture. How Nature designs ears (NM)
		10.30-11.00	Morning tea
		11.00-13.00	Acoustic imaging by echolocation in bats (CM)
		13.00-14.00	Lunch
		14.00-16.00	1. A case of convergence: the mammalian-like auditory organ of a bushcricket (DR) 2. The sense of electroreception in bees and spiders, a case for electric ecology (DR)
		16.00-16.30	Afternoon tea
		16:30-17:00	Olfaction Experiment: Introduction (RH)
Fri	25/9	09.00-11.00	Hearing and echolocation in whales and dolphins (PaN)
		11.00-11.30	Morning tea
		11.30-13.30	Ecological constraints for sound communication (KK)
		13.30-14.30	Lunch
		14.30-15.30	Hearing discussion
		15.30-16.00	Afternoon tea
		16.00-17.00	Guided tour to chemical ecology labs
Sat	26/9	09.00-10.30	Introductory lecture. An introduction to the olfactory system (MS)
		10.30-11.00	Morning tea
		11.00-13.00	A tale of two noses: what newborn rabbits and cats tell us about mammalian olfaction (RH)
		13.00-14.00	Lunch
		14.00-16.00	Exploring the sensory ecology of tube-nosed seabirds: the use of olfaction in foraging, navigation and individual recognition (GN)
		16:00-19:00	Coffee and Olfaction Experiment evaluation (RH)

SCHEDULE WEEK 2 (BIOLOGY BUILDING D, ROOM D205)

Sun	27/9	07.00-17.00	Excursion to the bird ringing station at Falsterbo peninsula
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Mon	28/9	09.00-10.30	Evolution of pheromone diversity and matching receptors in moths (CL)
		10.30-11.00	Morning tea
		11.00-13.00	Aquatic chemoreception: Chemical stimuli and their sensory processing in the aquatic environment (MW)
		13.00-14.00	Lunch
		14.00-16.00	Olfaction in context (RR)
		16.00-16.30	Afternoon tea
		16.30-17.30	Olfaction discussion

Tue	29/9	09.00-10.30	Introductory lecture. Light, habitat and eye design (DO)
		10.30-11.00	Morning tea
		11.00-13.00	Hide and seek in the sea: invisible, coloured and glowing animals (Sj)
		13.00-14.00	Lunch
		14.00-16.00	Visual orientation and navigation in insects (MD)
		16.00-16.30	Afternoon tea
		16.30-18.00	Guided tour to Vision Group labs

Wed	30/9	09.00-11.00	General and special vision (DN)
		11.00-11.30	Morning tea
		11.30-13.30	Visual ecology of colour (AK)
		13.30-15.00	Lunch
		15.00-17.00	Vision at the limits (EW)
		17.00-18.00	Vision discussion

Thu	1/10	09.00-10.30	Long-distance migration and navigation (SÅ)
		10.30-11.00	Morning tea
		11.00-13.00	Magnetic navigation and geomagnetic imprinting in marine animals (KL)
		13.00-14.00	Lunch
		14.00-16.00	The magnetic sense of birds (HM)
		16.00-16.30	Afternoon tea
		16.30-18.30	Research Lecture: The Lund Wind Tunnel, with a tour of the facility (AH)

Fri	2/10	09.00-11.00	Electrically 'lighting' up the dark: Sensory adaptations of weakly electric fish (GE)
		11.00-11.30	Morning tea
		11.30-13.30	The infrared "vision" of pit vipers (TK)
		13.30-14.30	Lunch
		14.30-15.30	Poster session 7: Posters 1-20
		15.30-16.30	Poster session 8: Posters 21-40
		16.30-18.30	Sixth senses discussion at Stensoffa, Department of Biology's field station (RM)

Sat	3/10	09.00-11.00	Multisensory information processing for fly flight (JF)
		11.00-11.30	Morning tea
		11.30-13.30	Sensory Ecology discussion and course evaluation
		13.30-	Lunch and free time
		18.00-	Party?

Lecturers

FB	Friedrich Barth, University of Vienna, Austria	Friedrich.G.Barth@univie.ac.at
MD	Marie Dacke, University of Lund, Sweden	marie.dacke@biol.lu.se
JF	Jessica Fox, Case Western Reserve University, USA	jlf88@case.edu
AH	Anders Hedenström, University of Lund, Sweden	Anders.hedenstrom@biol.lu.se
RH	Robyn Hudson, Universidad Nacional Autonoma de Mexico	rhudson@biomedicas.unam.mx
SJ	Sönke Johnsen, Duke University, USA	sjohnsen@duke.edu
AK	Almut Kelber, University of Lund, Sweden	almut.kelber@biol.lu.se
TK	Tobias Kohl, Technical University of Munich, Germany	Tobias.Kohl@wzw.tum.de
KL	Kenneth Lohmann, University of North Carolina, USA	KLohmann@email.unc.edu
KK	Konstantinos Kostarakos, University of Graz, Austria	konstantinos.kostarakos@uni-graz.at
CL	Christer Löfstedt, University of Lund, Sweden	Christer.Lofstedt@biol.lu.se
NM	Natasha Mhatre, University of Western Ontario, Canada	nmhatre@uwo.ca
JM	Joachim Mogdans, University of Bonn, Germany	mogdans@uni-bonn.de
HM	Henrik Mouritsen, University of Oldenburg, Germany	henrik.mouritsen@uni-oldenburg.de
CM	Cynthia Moss, Johns Hopkins University, USA	cynthia.moss@gmail.com
RM	Rachel Muheim, University of Lund, Sweden	Rachel.Muheim@biol.lu.se
GN	Gabrielle Nevitt, UC Davis, USA	ganevitt@ucdavis.edu
PaN	Paul Nachtigall, University of Hawaii, USA	nachtiga@hawaii.edu
PN	Peter Narins, UCLA, USA	pnarins@ucla.edu
DN	Dan-Eric Nilsson, University of Lund, Sweden	dan-e.nilsson@biol.lu.se
DO	David O'Carroll, University of Lund, Sweden	david.o_carroll@biol.lu.se
RR	Rob Raguso, Cornell University, USA	rar229@cornell.edu
DR	Daniel Robert, University of Bristol, UK	D.Robert@bristol.ac.uk
MS	Marcus Stensmyr, University of Lund, Sweden	Marcus.Stensmyr@biol.lu.se
GE	Gerhard von der Emde, University of Bonn, Germany	vonderemde@uni-bonn.de
EW	Eric Warrant, University of Lund, Sweden	eric.warrant@biol.lu.se
MW	Marc Weissburg, Georgia Tech, USA	marc.weissburg@biology.gatech.edu
SÅ	Susanne Åkesson, University of Lund, Sweden	Susanne.Akesson@biol.lu.se