

PROGRAM

Sunday 6th September 2015

17:00 – 19:00 Registration

Monday 7th September 2015

08:00 – 09:30 Registration

09:30 – 10:00 Welcome/Opening - Manfred Gahr

10:00 – 11:00 Plenary Talk – Mike Ryan
What you hear ain't what you get

11:00 – 13:00 Symposium 1 – Control of Vocal Production
Chair: Coen Elemans/ Sue Anne Zollinger

11:00 Friedrich Ladich Sound-producing mechanisms and neuronal control in fishes: A unique diversity in vertebrates

11:20 Marcos Gridi-Papp Laryngeal muscles and vocal control in amphibians and reptiles

11:40 Coen Elemans Sue Anne Zollinger Universal mechanisms of sound production and control in birds and mammals

12:00 Constance Scharff Molecular toolkits for control of vocal production

12:20 Christian T. Herbst Monitoring the mammalian and avian sound source with electroglottography

12:40 Steffen Hage Vocal motor control mechanisms in the monkey brain

13:00 – 14:30 Lunch

14:30 – 16:30 Symposium 2 – Communication Over Various Spatial Scales
Chair: Fanny Rybak/ Thierry Aubin

14:30 Rohini Balakrishnan Determinants and consequences of acoustic baffling behaviour in tree crickets

14:50 Paulo Fonseca Acoustic active space in the Lusitanian toadfish and the effect of anthropogenic noise

15:10 Max Ringler Acoustic ranging in Poison Frogs. *Allobates femoralis* uses signal cues beyond intensity to assess caller distance

15:30 Ole N. Larsen Call transmission advantage for parrots at dawn in tropical dry forest

15:50 Clément Cornec Booming far: the long-range vocal communication of a lekking bird

16:10 Solveig C. Mouterde Active space of individual signatures in propagated calls of zebra finches: From acoustics to perception

16:30 – 17:00 Coffee Break

17:00 – 19:00 **Poster Session 1 (Poster 1 – 80)**

19:00 – 20:00 *Open Bar*

Tuesday 8th September 2015

- 08:30 – 09:30 **Plenary Talk – Daniel Robert**
Sound frequency analysis through cochlea-like mechanism in an insect
- 09:30 – 10:00 *Coffee Break*
- 10:00 – 12:00 **Symposium 3 – Acoustic Communication of Arthropods**
Chair: Tony Robillard
- 10:00 Stefan Schoeneich Neurobiology of acoustic communication: Neural networks for singing and song pattern recognition in crickets
- 10:20 Camille Desjonquères Acoustic diversity in freshwater habitats: the effect of lateral connectivity in a riverine floodplain
- 10:40 Ranjana Jaiswara Species boundary delineation using multiple approaches: A case study on a field cricket genus *Teleogryllus* in India
- 11:00 Fernando Montealegre-Z Song quality and sound-generator asymmetry in bush-crickets
- 11:20 Rafael Rodriguez Environmentally-induced runaways: vibrational communication in *Enchenopa* treehoppers (*Hemiptera membracidae*)
- 11:40 Arne K. D. Schmidt No evidence of acoustic signal divergence in a tropical cricket assemblage
- 12:00 – 13:30 *Lunch*
- 13:30 – 15:30 **Symposium 4 – Ecoacoustics**
Chair: Jérôme Sueur
- 13:30 Paul Roe The visual representation, navigation and analysis of long duration recordings of the acoustic environment
- 13:50 Susan Parks Ecological insights from bioacoustics activity levels measured from long-term acoustic monitoring at NEON observatory sites
- 14:10 Gianni Pavan SABIOD Italy: A pilot study of wild soundscapes. The RNI Sassofratino pilot study
- 14:30 Diego Lluisa Heterospecific songs influence dawn chorusing in forest bird communities
- 14:50 Denise Risch Soundscape ecology concepts for monitoring change in the marine environment
- 15:10 Frédéric Bertucci Large scale acoustic survey as a new tool for the evaluation of coral reef biodiversity (Moorea, French Polynesia)

15.30 – 16:00	<i>Coffee Break</i>
16:00 – 18:00	Open Oral Session 1 <i>Chair: Henrik Brumm</i>
16:00 Antonieta Labra Lillo	Interaction between calls and scents in lizard antipredator behaviour
16:15 Karla Rivera Caceres	Duet code development in plain wrens (<i>Cantorchillus modestus zeledoni</i>)
16:30 Marie Roch	Management of acoustic metadata for bioacoustics
16:45 Thierry Aubin	Should I stay or should I go? A slight acoustic variation gives an opposite meaning to a songbird alarm call
17:00 Daisuke Mizuguchi	Underwater vocal exchange between male and female in captive bearded seals
17:15 Sandra Goutte	Acoustic communication of the earless toad (<i>Brachycephalus pitanga</i>)
17:30 Alex Kirschel	Broadbills sing with their wings: Uncovering the mechanism of sound produced during the aerial display of a suboscine bird
17:45 Andr�ea Thiebault	Honking in traffic: use of calls in a foraging seabird
18:00	Poster Session 2 (Poster 1 – 80)

Wednesday 9th September 2015

08:30 – 09:30	Plenary Talk – Julia Fischer <i>Referential communication revisited: the case of vervet monkey alarm calls</i>
09:30 – 10:00	<i>Coffee Break</i>
10:00 – 12:00	Symposium 5 – Vocal Communication and Cognition <i>Chair: Auguste von Bayern</i>
10:00 Elodie Briefer	Emotional contagion through whinnies in horses
10:20 W. Tecumseh Fitch	Songbirds without song? Corvid communication from a comparative perspective
10:40 Katie E. Slocombe	Flexibility in chimpanzee vocal communication
11:00 Thorsten S.J. Balsby	Communication and social complexity in orange fronted conures (<i>Aratinga canicularis</i>)
11:20 Julie Oswald	Geographic variation in delphinid whistles – implications for classifier development
11:40 all speakers	General discussion: Cognition and communication – can a comparative approach across taxa work?
12:00 – 13:30	<i>Lunch & General Assembly Meeting &</i> CHANGE OF POSTER
13:30	<i>Excursion</i>

Thursday 10th September 2015

08:30 – 09:30	Plenary Talk – Vincent Janik <i>How does vocal learning affect marine mammal communication?</i>
09:30 – 10:00	<i>Coffee Break</i>
10:00 – 12:00	Symposium 6 – Mechanisms of Vocal Learning <i>Chair: Manfred Gabr</i>
10:00 Robert Lachlan	Evolution and function of vocal learning in the chaffinch (<i>Fringilla coelebs</i>)
10:20 Veronika Beeck	Call Convergence in socially affiliated African savannah elephants (<i>Loxodonta africana</i>)
10:40 Nicole Geberzahn	Towards an understanding of developmental and perceptual mechanisms of vocal individuality in the zebra finch
11:00 Jinhong Luo	The Lombard effect emerges in bat infants: implications for the development of auditory feedback
11:20 Alejandro Salinas-Melgoza	The military macaw maintains homogeneity of a contact call across populations over a modified landscape in western Mexico
11:40 Andries ter Maat	Vocal learning in social groups of zebra finches
12:00 – 13:00	<i>Lunch</i>
13:30 – 15:30	Symposium 7 – Techniques in Bioacoustics <i>Chair: Andries ter Maat</i>
13:30 Sarah Hallerberg	Bag-of-calls analysis reveals group-specific vocal repertoire in long-finned pilot whales
13:50 Philip Wadewitz	Advances in the quantitative analysis of graded vocal repertoires
14:10 Marie SA Fernandez	Impact of visual contact on vocal interaction dynamics of pair bonded birds
14:30 Karen Rowe	Automated recognition software improves detectability for a range of bird species' vocalizations
14:50 Ian Agranat	Unravelling zero crossing and full spectrum, what does it all mean?
15:10 Ladislav Ptacek	Application of speaker recognition methods for chiff-chaff individual identification
15:30 – 16:00	<i>Coffee Break</i>

16:00 - 17:30

Open Oral Session 2

Chair: Albertine Leitão

16:00 Dylan Gomes

Foraging decisions in clutter and noise: the effect of environmental complexity on multimodal signal use in a frog-eating bat

16:15 Nao Ota

Tap dancing birds: the multimodal mutual courtship display of males and females in a socially monogamous songbird

16:30 Ivano Pelicella

WaveFalcon, a new smart recorder

16:45 Dinesh Batt

Onset of dawn chorus in a tropical songbird, the Pied Bush Chat (*Saxicola caprata*): relationships with weather and Sunrise

17:00 Tony Robillard

Evolution of mechanisms of sound production in *Agnoteicus* crickets: multiple strategies to produce high-frequencies

17:15 Juliette Linossier

Song and genetic divergence related to different migratory patterns in a songbird, the blackcap (*Sylvia atricapilla*)

17:30 – 19:30

Poster Session 3 (Poster 81 – 160)

19:30

Social Dinner & Poster Award Ceremony

Friday 11th September 2015

08:30 – 09:30

Plenary Talk – Peter Slater

Studies of the solos, duets and choruses of “Thryothorus” wrens

09:30 – 10:00

Coffee Break

10:00 – 12:00

Symposium 8 – Vocalizing Females

Chair: Michelle Hall

10:00 Karan J. Odom

Similarities and differences in female and male song in troupials (*Icterus icterus*): structural, diel and seasonal comparisons

10:20 Jacqueline R. Miller

Sexual dimorphism in vocal behaviour: exploring the pheromyscine mice of North and Central America

10:40 Lauryn Benedict

Female song in new world wood-warblers

11:00 Irina Beme

Is female song ancestral in songbirds?

11:20 Johana Goyes Vallejos

Female calling behaviour in the Smooth Guardian Frog (*Limnectes palawanensis*) of Borneo. Evidence for sex-role reversal?

11:40 Clementine Vignal

Vocal negotiation over parental care? Partners adjust their time spent incubating on their acoustic exchanges at the nest

12:00 – 13:30

Lunch

13:30 – 15:30

Symposium 9 – Music, Speech and Language

Chair: Carel ten Cate

13:30 Emily Doolittle

A music theoretical approach to birdsong

13:50 Andrea Ravignani

The evolution of rhythm: a comparative approach to speech and music

14:10 Marisa Hoeschele

Using bioacoustics to compare avian and human acoustic perception

14:30 Buddhamas Kriengwatana

A general auditory bias for disregarding inter-speaker speech variability? Evidence in humans and songbirds

14:50 Kurt Hammerschmidt

Structural complexity can be a misleading indicator for advanced communication: the case of mouse courtship songs

15:10 Carel ten Cate

Linguistic rule learning in birds

15:30 – 16:00

Coffee Break

16:00 – 17:30

Open Oral Session 3

Chair: Michiel Vellema

16:00 Lucyna Wojas

Social eavesdropping on acoustic cues in non-learning model bird species

16:15 Clara P. Amorim

Multimodal and mismatching communication in vocal fish

16:30 James Campbell

Sound field characteristics of small tanks in the context of noise exposure experiments

16:45 Sonja Vernes

A novel approach reveals first molecular networks in the bat brain: implications for vocal communication

17:00 Pauline Salvin

Functions of female signals: the copulation solicitation and the mate sampling aid hypotheses in the domestic canary

17:15 Věra Klimšová

Impalas recognize predator vocalizations and heterospecific alarms of sympatric and allopatric species

17:00 – 19:00

Poster Session 4 (Poster 81 – 160)

19:00

Closing Remarks by Ole N. Larsen

Open Bar

Saturday 12th September 2015

09:00

Visit to the Max Planck Institute for Ornithology, Seewiesen