

Program of the 4th Annual Meeting of the Society for Bioacoustics

Saturday, 9 December 2017

- 9:30 **Starting Registrations (at the Building E-3 3F)**
- 10:30 - 10:40 **Opening Remarks (Takuji Koike) at Room 306**
- 10:40 - 11:40 **Oral Session 1: Brain science research (Chair Takuji Koike)**
- 10:40 - 11:10 Shigeru Tanaka: Species differences in the functional architecture of primary visual cortex between cats and rodents
- 11:10 - 11:40 Hirokazu Takahashi: Neural correlates of perceptual organization in the auditory cortex
- 11:40 - 13:00 **Lunch**
- 13:00 - 14:00 **Oral Session 2: Hearing loss and mechanism of hearing (Chair Tatsuhiko Harada)**
- 13:00 - 13:30 Fei Zhao: Music exposure and subclinical hearing loss
- 13:30 - 14:00 Sinyoung Lee: Simulation of electrical changes in the inner hair cells derived from the basilar membrane vibration
- 14:00 - 14:30 **Taking Group Pictures and Break**
- 14:30 - 15:30 **Poster short presentation (3 min talk)**
- P1 Masanobu Miyashita: Neural mechanisms of auditory continuity illusion
- P2 Shiro Nakata: Distinct projections from the primary and anterior auditory fields to motor and associative regions of the mouse neocortex
- P3 Kenta Mito: Simulation of two-tone suppression using human cochlear model considering activity of outer hair cells
- P4 Ryo Ebine: Measurement system for mobility of auditory ossicles using ear pick
- P5 Kota Kuroda: Examination of a method for risk detection in endoscopic sinus surgery
- P6 Miho Sato: Measurement of fetal heart rate variance for fetal hearing screening
- P7 Takahiro Suzuki: Simultaneous vibration measurement of hyoid muscle activity and swallowing sound
- P8 Toshiaki Negishi: An optical and thermal image fusion approach using estimated homography matrix for noncontact vital-sign measurements and its application to infectious disease screening system
- P9 Yui K Matsumoto: The relationship between ultrasonic songs and testis weight in male mice
- P10 Takuma Takanashi: Vibration sensitivity in longicorn beetles and its potential for pest management
- P11 Tetsutaro Hiraguchi: Footsteps as the initial signal to induce cricket behaviors
- P12 Yuta Yoshimura: Development of a new method for behavioral control of an agricultural insect pest by vibration
- P13 Ryoichi Iwase: Where are the sperm whales? — Study on the sound source localization with a single hydrophone on deep seafloor in Sagami Bay
- P14 Ikuo Matsuo: Automatic detection and localization of Croaker's fish calls using beamforming
- P15 Yoshimasa Seki: Individual difference and vocal learning of contact-call-like sounds in juvenile cockatiels

- P16 Akari Furutani: Java sparrows modify trill rates under affiliative and agnostic interactions
- P17 Sachio Umemoto: Neural correlate of vocal activity in juvenile Java sparrows recorded in the basal ganglia
- P18 Zhiqiang Ma: Strong frequency specific suppression on the basilar membrane suited for echolocation in bats

15:30 - 17:45 Poster session

18:00 - 20:00 Banquet

Sunday, 10 December 2017

9:00 - 10:00 Oral Session 3: Medical application (animal models) (Chair Hirokazu Takahashi)

9:00 - 9:30 Sho Kurihara: Establishment of a noise-induced hearing loss model in non-human primates to accelerate translational research

9:30 - 10:00 Tomohiko Yoshida: Optimizing call count observation test for the study of social isolation due to the deafness using a noise-induced hearing loss model of common marmoset

10:00 - 10:15 Break

10:15 - 11:45 Oral Session 4: Bioacoustics in insects and fishes (Chair Takuma Takanashi)

10:15 - 10:45 Ryo Nakano: Artificial ultrasonic pulses repelling moth pests

10:45 - 11:15 Seiji Tanaka: Why do locust eggs hatch early if Mozart is played?

11:15 - 11:45 Raquel Vasconcelos: Steroid regulation of auditory sensitivity in fish: insights from zebrafish

11:45 - 12:15 General Assembly

12:15 - 14:15 Lunch: Walk to Jindaiji Temple (<http://www.jindaiji.or.jp/language/english.pdf>) or Chofu City Walk

Participation in this event is your choice.

14:15 - 14:30 Award Ceremony

14:30 - 15:30 Oral Session 5: Bioacoustics in bats (Chair Ikuo Matsuo)

14:30 - 15:00 Rolf Müller: Some thoughts on the role of Doppler shifts in bat biosonar

15:00 - 15:30 Hiroshi Riquimaroux: Active mechanical noise cancellation system on the basilar membrane for echolocation in bats

15:30 - 16:00 General Discussion (Hiroshi Riquimaroux)

16:00 - 16:15 Closing Remarks (Hiroshi Riquimaroux)

16:15 - 17:15 Executive Meeting