

Schedule

<December 5>

13:30—13:40 Opening remarks for the 14th Auditory Research Forum

Hiroshi Riquimaroux

13:40—14:40 Oral Presentation (1)

(at Seminar Room 5, the 1st FL. KAKUTAI-KAN)

(Chair: *Walter Metzner*)

13:40—14:00 ○ *Shigeki Mantani, Emyo Fujioka, Shizuko Hiryu, Hiroshi Riquimaroux and Yoshiaki Watanabe*

Echolocating strategy in CF-FM bats for intercepting a fluttering moth

14:00—14:20 ○ *Yuto Furusawa, Shizuko Hiryu and Hiroshi Riquimaroux*

Paradoxical reference frequency shift during group flight in Japanese horseshoe bats evaluated with onboard microphone

14:20—14:30 Break

14:30—15:30 Oral Presentation (2)

(at Seminar Room 5, the 1st FL. KAKUTAI-KAN)

(Chair: *Hiroshi Riquimaroux*)

14:30—15:00 ○ *Steven Greenberg*

Time perspective in spoken language processing

15:00—15:30 ○ *Hitoshi Tatsumi*

Nanotechnology in mechanobiology: Actin stress fibers transmit and focus force to activate mechanosensitive channels

15:30—18:00 Poster Session

(at Seminar Rooms 1, 2, 3, 4 , the 1st FL. KAKUTAI-KAN)

- [P1] ○ *Ikuo Matsuo*
Range discrimination of objects from the measured echo spectrogram
- [P2] ○ *Ikkyu Aihara, Takeshi Mizumoto, Ryu Takeda, Takuma Ohtsuka, Toru Takahashi and Hiroshi G. Okuno*
Time-delayed model on frogs' calling behavior and novel device for localizing calling animals
- [P3] ○ *Yoichi Suwa, Kohta I. Kobayasi and Hiroshi Riquimaroux*
Responses of auditory cortical neurons modified by visual stimuli in awake Mongolian gerbils
- [P4] ○ *Yuusuke Honma, Hiroaki Tsukano, Shinsuke Ohshima, Manav Tohmi, Yamato Kubota, Kuniyuki Takahashi, Ryuichi Hishida, Sugata Takahashi and Katsuei Shibuki*
Differential imaging of cortical responses to frequency-modulated sound in mice
- [P5] ○ *Hiroshi Takaoka, Ryosuke Tachibana and Hiroshi Riquimaroux*
Perception of noise-vocoded speech sound modified by priming effects
- [P6] ○ *Ryosuke Tachibana, Masuzo Yanagida and Hiroshi Riquimaroux*
Brain regions involved in audiomotor integration for manual pitch regulation
- [P7] ○ *Tatsuya Yasui, Naoya Taniguchi, Shunji Sugimoto and Junsei Horikawa*
EEG analysis of spatial and nonspatial auditory selective attention
- [P8] ○ *Takahiro Yorino, Ryosuke Tachibana and Hiroshi Riquimaroux*
Motor control and error correction strategies for keeping tempo during repetitive rhythm making

- [P9] ○ *Akihiro Usami, Kohta I. Kobayasi and Hiroshi Riquimaroux*
Perception of auditory illusory continuity in Mongolian gerbil
- [P10] ○ *Yuya Kanehana, Yoshinori Nagai, Emyo Fujioka, Shizuko Hiryu, Kohta I. Kobayasi, Hiroshi Riquimaroux and Yoshiaki Watanabe*
A study on the visual operant conditioning of the echolocating bats
- [P11] ○ *Kohta I. Kobayasi, Shinji Ishino, Kohei Nishiyama and Hiroshi Riquimaroux*
Classification of vocalizations in Mongolian gerbil by using multivariate statistics
- [P12] ○ *Shinji Ishino, Kohta I. Kobayasi and Hiroshi Riquimaroux*
Different types of responding behavior of Mongolian gerbil evoked by different species-specific communication calls
- [P13] ○ *Akihiro Nakamura and Hiroshi Riquimaroux*
Relationships between auditory attention and cochlear sensitivity in Mongolian gerbils
- [P14] ○ *Yukinari Nakata, Kohta I. Kobayasi and Hiroshi Riquimaroux*
Circadian rhythm of vocalization and locomotor behavior in Mongolian gerbil
- [P15] ○ *Kotaro Naritomi, Kohta I. Kobayasi and Hiroshi Riquimaroux*
Whisker movements evoked by auditory stimulation in Mongolian gerbil
- [P16] *Steffen R. Hage, Tinglei Jiang, Sean Berquist and* ○ *Walter Metzner*
”Jamming avoidance” in a bat with narrow-band echolocation pulses
- [P17] ○ *Emyo Fujioka, Naohiro Matsuta, Shizuko Hiryu, Hiroshi Riquimaroux and Yoshiaki Watanabe*
Insect search behavior of free-ranging echolocating bats measured by the quad microphone-array system

[P18] ○ *Naotaro Hirade, Emyo Fujioka, Shizuko Hiryu, Hiroshi Riquimaroux and Yoshiaki Watanabe*

Temporal relationships between sonar beam and flight direction of echolocating FM bats during obstacle avoidance

[P19] ○ *Yu Watanabe, Emyo Fujioka, Shizuko Hiryu, Hiroshi Riquimaroux and Yoshiaki Watanabe*

Relationships between wingbeat and pulse-emission timings during obstacle avoidance in echolocating bats, recorded by telemetry microphone

[P20] ○ *Toshiya Takenaga, Mary Bates, Emyo Fujioka, Shizuko Hiryu, James A. Simmons, Hiroshi Riquimaroux and Yoshiaki Watanabe*

Characteristics of echolocation pulse in FM bats in the cluttered environment by chain obstacles

[P21] ○ *Naohiro Matsuta, Naotaro Hirade, Shigeki Mantani, Emyo Fujioka, Shizuko Hiryu, Hiroshi Riquimaroux and Yoshiaki Watanabe*

Echolocation behavior to intercept an aerial moth in FM bats (*Miniopterus fuliginosus*) measured by a microphone array and Telemike

18:00—20:00 Dinner

21:00— Poster session (cont.)

<December 6>

7:30—9:30 Breakfast & Poster Session (cont.)

9:30—10:30 Oral Presentation (3)

(Chair: *Motoi Kudo*)

9:30—10:00 ○ *Wen-Jie Song, Masataka Nishimura, Kazuya Saitoh and Yoshihide Tanaka*

Subfield organization and functional domains of rodent auditory cortex as revealed by optical imaging

10:00—10:30 ○ *Shigeto Furukawa and Katuhiro Maki*

Transform of auditory space representation along the mammalian collicular pathway

10:30—10:45 Break

10:45—11:15 Oral Presentation (4)

(Chair: *Steven Greenberg*)

10:45—11:15 ○ *Peter M. Narins, Victoria S. Arch and Marcos Gridi-Papp*

Extending the high frequency hearing limit of frogs: Observations and mechanisms

11:15—11:50 General Discussion

(Chair: *Peter Narins*)

11:50—12:00 Closing Remarks

Hiroshi Riquimaroux

12:00—13:00 Lunch

13:00 Adjourn