Schedule

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13:30 - 13:40	Opening remarks for the 12 th Auditory Research Forum Japan Hiroshi Riquimaroux
13:40 - 14:40	Oral Presentation (1) (at Seminar Room 5, the 1 st FL. KAKUTAI-KAN) (Chair: <i>Hiroshi Riquimaroux</i>)
13:40 - 14:00	Ryosuke Tachibana, Masuzo Yanagida and Hiroshi Riquimaroux Formation of audiomotor mapping for manual control of tone pitch
14:00 - 14:20	Yoshimasa Seki and Kazuo Okanoya Sex differences in the audiovisual discrimination learning by Bengalese finches (Lonchura striata var. domestica)
14:20 - 14:40	Tatsuro Hosokawa, Yu Watanabe, Yu Shiori, Shizuko Hiryu, Hiroshi Riquimaroux and Yoshiaki Watanbe Doppler-shifts in receiving echoes caused by the alternating pinna movement of Rhinolophus ferrumequinum nippon
14:40 - 15:00	Break
15:00 - 16:00	Oral Presentation (2) (at Seminar Room 5, the 1 st FL. KAKUTAI-KAN) (Chair: Walter Metzner)
15:00 - 15:30	James A. Simmons Target-ranging and transition from approach to terminal stages by Big Brown Bats

The active process in hair cells of the inner ear

15:30 - 16:00

Dolores Bozovic

16:00 - 18:00 Poster Session

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

[P0-D] Ken-ichiro Yabu, Tohru Ifukube and Shigeru Aomura

A speech synthesis device for articulation substitutes using a touch-pad interface

[P1] Masataka Nishimura and Wen-Jie Song

Latency based examination of tone-evoked activity in guinea pig auditory cortex with *in vivo* optical recording

[P2] Hiroyuki Tanaka, Shunji Sugimoto and Junsei Horikawa

Optical imaging of auditory cortical activities induced by an alternating sequence of high- and low-frequency tones

[P3] Shinsuke Ohshima, Hiroaki Tsukano, Yamato Kubota, Kuniyuki Takahashi and Katsuei Shibuki

Transcranial flavoprotein fluorescence imaging of neural activities in the mouse auditory cortex after sound discrimination learning

[P4] Masaya Tsuji and Hiroshi Riquimaroux

The effect in neural auditory response pattern of the gerbil by logarithmic rising speed of constant frequency

[P5] Kohei Nishiyama and Hiroshi Riquimaroux

Responses of auditory cortical neurons to sFM communication sounds of Mongolian gerbil

[P6] Akihiro Usami and Hiroshi Riquimaroux

Selectivity to FM rate and direction in the inferior collicular neurons of the Mongolian gerbil

[P7] Yoichi Suwa and Hiroshi Riquimaroux

Responses to FM tones of the auditory cortical neurons in Mongolian gerbils: Selectivity to FM rate and direction

- [P8] Peter M. Narins and Urban B. Willi

 Middle ear adaptations for seismic detection in the golden mole
- [P9] Kohta Kobayasi, Steffen Hage, Jie Ma and Walter Metzner

 How the vocal motor nucleus and laryngeal dynamics affect call
 frequency in horseshoe bats
- [P10] Kazuhiro Goto and Hiroshi Riquimaroux

 Tonotopical organiation of inferior collicular units of Japanese house bat (Pipistrellus abramus)
- [P11] Shizuko Hiryu, Hajime Shimamoto, Mary Bates, Sarah Stamper, James
 A. Simmons and Hiroshi Riquimaroux

 Jamming avoidance response for own reverberant echoes by FM echolocating bats (Eptesicus fuscus) during flight
- [P12] Yu Watanabe, Yu Shiori, Tatsuro Hosokawa, Shizuko Hiryu, Hiroshi
 Riquimaroux and Yoshiaki Watanabe
 Compensation for pulse duration by free-flying CF-FM bat, Japanese
 horseshoe bat (Rhinolophus ferrumequinum nippon)
- [P13] Yuto Furusawa, Hajime Shimamoto, Shizuko Hiryu and Hiroshi Riquimaroux

The vocalization patterns of FM echolocating bats under jamming condition

- [P14] Michihiro Fukuda, Naotaro Hirade, Shizuko Hiryu, Hiroshi Riquimaroux and Yoshiaki Watanabe
 Ultrasonic scanning technique in FM echolocating bats (Miniopterus fuliginosus) during flight observed with microphone array system
- [P15] Shigeki Mantani, Emyo Fujioka, Michihiro Fukuda, Shizuko Hiryu, Hiroshi Riquimaroux and Yoshiaki Watanabe

Echolocation strategy during foraging activity of FM bats: 3-D measurements by the microphone array in the field

[P16] Naotaro Hirade, Michihiro Fukuda, Shizuko Hiryu, Hiroshi Riquimaroux and Yoshiaki Watanabe

Telemetry measurements of pulse-echo pair in FM echologating bats.

Telemetry measurements of pulse-echo pair in FM echolocating bats (*Miniopterus fuliginosus*) during landing flight

[P17] Ryota Shimazawa, Shizuko Hiryu and Hiroshi Riquimaroux

Temporal change in frequency components of ultrasonic communication pulse emitted by Japanese horseshoe bats (Rhinolophus ferrumequinum nippon) during walking to the other

[P18] Ikuo Matsuo

A computational model for discrimination of multiple objects by using the linear period modulation signal

- [P19] Shunsuke Horai, Ikkyu Aihara and Kazuyuki Aihara
 Visualizing interactive calling data of Japanese tree frogs by cross recurrence plots
- [P20] Ikkyu Aihara

 Synchronization through sound interaction in calling behavior of
 Japanese Tree Frogs
- [P21] Takashi Doi and Hiroshi Riquimaroux

 Representation of species specific communication sounds of

 Mongolian gerbil by activities on self-organizing map
- [P22] Yuki Nagata and Hiroshi Riquimaroux

 Sensitivity of Mongolian gerbils to FM sounds: FM rates and directions
- [P23] Chisato Suzuki, Yuki Nagata, Yasunari Sasaki and Hiroshi Riquimaroux Behavioral responses to frequency modulated sounds in Mongolian gerbils: Analysis of reaction time
- [P24] Shogo Tani, Chisato Suzuki, Yuki Nagata, Yasunari Sasaki and Hiroshi Riquimaroux

Comparison between behavioral responses to upward and downward FM sounds in Mongolian gerbils

[P25] Shinji Ishino and Hiroshi Riquimaroux

Acoustic characteristics of vocalization emitted by starved

Mongolian gerbils

[P26] Naoko Tokimoto, Atsushi Iriki and Kazuo Okanoya
 Acoustic communication in the social rodent, degu (Octodon degu):
 Vocal repertoire and vocal control

[P27] Emi Igari, Shunji Sugimoto and Junsei Horikawa

MEG analysis of the effects of spatial selective auditory attention

[P28] Kentaro Ono, Akinori Nakamura, Kenji Yoshiyama, Takeshi Kinkori, Masahiko Bundo and Kengo Ito
Effects of musical experience on the automatic auditory feature processing

[P29] Kuniyuki Takahashi, Tadashi Wada and Sugata Takahashi

Cochlear implantation and critical periods for recovery in speech recognition

[P30] Kaori Nakao
Perception of tonal pattern in Osaka Japanese

[P31] Mika Murao, Yasunari Sasaki and Hiroshi Riquimaroux
Effects of auditory repetition priming and word familiarity on perception of degraded words

[P32] Takahiro Yorino and Hiroshi Riquimaroux

Absolute tempo?: Self adjustment of tempo

18:00 - 20:00 Dinner

21:00 - Poster session (cont.)

<December 2>

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

(Chair: James A. Simmons)

9:30 - 10:00 Motoi Kudo

Immunohistochemical detection of L-DOPA-derived dopamine within serotonergic fibers in the striatum and the substantia nigra pars reticulata in parkinsonian model rats

10:00 - 10:30 Hiroaki Tsukano, Yamato Kubota, Masaharu Kudoh, Ryuichi Hishida and

Katsuei Shibuki

Transcranial fluorescence imaging of cortical responses to harmonic and inharmonic sounds in the mouse auditory cortex

10:30 - 10:45 Break

10:45 - 11:15 Oral Presentation (4)

(Chair: Kenzo Itoh) Kazuyuki Aihara

Mathematical modelling and nonlinear analyses on neuronal dynamics

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