

Schedule

<November 20>

14:00-16:00

Oral Presentation (1)
(at Seminar Room 5, 1st Fl. KAKUTAI-KAN)

(Chair: *Motoi KUDO*)

14:00-14:10

**Opening remarks for the 9th Auditory Research
Forum Japan**

Hiroshi RIQUIMAROUX

14:10-14:40

Kazuo FUNABIKI

**Passive soma for sub-millisecond time discrimination in owls' auditory
coincidence detector neurons**

14:40-15:10

Walter METZNER, K.I. KOBAYASI, J. MA

**Echolocation and Communication in Horseshoe Bats: Where do You Draw
the Line?**

15:10-15:30

Break

15:30-18:00

Poster Session
(at Lounge, 2nd Fl. MEIKYO-KAN)

[P1]

Azusa KAMIKOUCHI, Takashi SHIMADA, Kei ITO

Comprehensive classification of *Drosophila* auditory sensory neurons

[P2]

Shigeto FURUKAWA, Michael J. WILSON

Binaural statistics in natural auditory scenes

[P3]

Katuhiro MAKI, Shigeto FURUKAWA

Representation of acoustic space by neurons in the gerbil inferior colliculus in the presence of sound reflected from the ground

[P4] *Manavu TOHMI, Kuniyuki TAKAHASHI, Hiroki KITAURA, Masaharu KUDOH, Katsuei SHIBUKI*

Trans-cranial autofluorescence imaging of experience-dependent plasticity in the mouse visual cortex

[P5] *Yamato KUBOTA, Kuniyuki TAKAHASHI, Masaharu KUDOH, Katsuei SHIBUKI*

Trans-cranial autofluorescence imaging of experience-dependent plasticity in the mouse auditory cortex

[P6] *kennji WATANABE, Daiki KAMATANI, Ryuichi HISHIDA, Masaharu KUDOH, Katsuei SHIBUKI*

Long-term potentiation and depression in the slices obtained from the rat auditory cortex

[P7] *Toshinari KAWASAKI, Hiroshi RIQUIMAROUX*

A neuron can be either inhibited or disinhibited by laser irradiation depending upon frequency

[P8] *Takashi DOI, Hiroshi RIQUIMAROUX*

Representation of FM tones related to communication sounds in the gerbil auditory cortex

[P9] *Shinichi KAGAMI, Satoru TAMAGAMI, Akira YAMAMOTO, Hiroshi RIQUIMAROUX*

Responses to the missing fundamental in the gerbil's auditory cortex

[P10] *Yasuko FUNABIKI, Masakazu KONISHI*

Long memory in song learning by Zebra finches

[P11] *Yuichiro HAYASHI*

Control of auditory responsiveness in the zebra finch song system

[P12] *Yoko KATO, Kazuo OKANOYA*

Differential responses to self-produced and its reversal songs in the auditory/motor integration nucleus in Bengalese finches

[P13] *Walter METZNER, Michael .S. SMOTHERMAN, Kota .I. KOBAYASI, J. MA*

Auditory feedback control of multiple call parameters in echolocating horseshoe bats

[P14] *Shizuko HIRYU, Koji KATSURA, Tomotaka HAGINO, Mamoru TSUDA, Hiroshi RIQUIMAROUX, Yoshiaki WATANABE, Liang-Kong LIN*

Doppler-shift compensation behaviors of Taiwanese leaf-nosed bat during flight observed by a telemetry microphone and high-speed video cameras

[P15] *Koji KATSURA, Shizuko HIRYU, Mamoru TSUDA, Tomotaka HAGINO, Hiroshi RIQUIMAROUX, Yoshiaki WATANABE, Liang-kong LIN*

Control of spatial resolution of echolocation by changing the emission rate of pulses

[P16] *Tomotaka HAGINO, Shizuko HIRYU, Koji KATSURA, Mamoru TSUDA, Hiroshi RIQUIMAROUX, Yoshiaki WATANABE, Liang Kong LIN*

Pinna movement of Taiwanese leaf-nose bat, *Hipposideros terasensis*

[P17] *Mamoru TSUDA, Shizuko HIRYU, Koji KATSURA, Tomotaka HAGINO, Hiroshi RIQUIMAROUX, Yoshiaki WATANABE, Liang-kong LIN*

Signal Characteristics of echolocation pulses in FM bats, Japanese Pipistrellus (*Pipistrellus abramus*)

[P18] *Hiroaki KITA, Ryuichi YOKOGAWA, Hiroshi RIQUIMAROUX, Yoshiaki WATANABE, Liang-kong LIN*

A New System Capturing Ground Images Using a Kite Equipped with a Tail and a Small CCD Camera

[P19] *Tsuyoshi NAGATO , Hiroshi RIQUIMAROUX*

Jamming avoidance echolocation behavior of leaf-nosed bat: Response to mimicked pulses

[P20] *Yoshiki OSAWA, Raimi NODA, Yoko KONDO, Tsuyoshi NAGATO, Hiroshi RIQUIMAROUX*

Time-sharing signal processing in echolocation system of the leaf-nosed bat

[P21] *Naoko TOKIMOTO, Sayaka HIHARA, Atsushi IRIKI, Kazuo OKANOYA*

Development of Vocal Behavior in Degus (*Octodon degu*)

[P22] *Yasunari SASAKI , Hiroshi RIQUIMAROUX*

What affects the robustness of coo-like sound discrimination in Japanese monkey?

[P23] *Yumi NABETANI, Hiroshi RIQUIMAROUX*

Time-series analysis of communication calls in Mongolian gerbils (*Meriones unguiculatus*)

[P24] *Yuki NAGATA, Ryota NAKAZAWA, Tomofumi TAKETANI, Yasunari SASAKI, Hiroshi RIQUIMAROUX*

The feature of auditory system in Mongolian gerbils: Temporal resolution and Response to masked sounds

[P25] *Minae OKADA, Shin MIZUTANI, Makio KASHINO*

The dynamics of auditory streaming

[P26] *Megumi SARUTA, Koichi YAMANOI, Ryosuke TACHIBANA, Hiroshi RIQUIMAROUX*

Difficulty and easiness of recognition of noise-vocoded speech sound

[P27] *Ryosuke TACHIBANA, Hiroshi RIQUIMAROUX*

Cortical activities involved in perception of spectrally degraded but intelligible speech sound measured by functional MRI

[P28] *Kouichi YAMANOI, Megumi SARUTA, Ryosuke TACHIBANA, Hiroshi RIQUIMAROUX*

Intelligibility of noise-vocoded speech sound: Effect of frequency ranges used for training

[P29] *Hidetaka UOTA , Hiroshi RIQUIMAROUX*

Sounds controls visual dynamics: interaction between auditory and visual systems

18:00-20:00

Dinner

21:00~

Poster session (con.)

<November 21>

7:30-9:30

Breakfast & Poster Session

9:30-11:15

Oral Presentation (2)

(Chair: Kazuo UEDA)

9:30-10:00

Yosky KATAOKA, Noriko MOCHIZUKI-ODA, Tsukasa IKEURA, Yasuhisa TAMURA, Yilong CUI, Hisao YAMADA

Photo-dynamic control of neuronal activity and fate in the central nervous system

10:00-10:30

Makio KASHINO

The dynamics of auditory perceptual organization: psychophysics, neural correlates, and modeling

10:30-10:45

Break

10:45-11:15 *Hiroshi RIQUIMAROUX*

Pitfalls in the Auditory Research

11:15-11:50

General Discussion

(Chair: *Katsuei SHIBUKI*)

11:50-12:00

Closing Remarks

Hiroshi RIQUIMAROUX

12:00-13:00

Lunch

Adjourn