NEUROBIOLOGY OF HEARING 2016
Auditory Neuroscience Methods
Institute of Experimental Medicine CAS, Prague, May 26 – 27, 2016
Venue: Vídeňská 1083, Prague 4

PROGRAM

THURSDAY May 26

9.30 Welcome  Josef Syka, Head, Department of the Auditory Neuroscience

9.45 – 10.55 Zbyněk Bureš: Acoustical measurement and stimulation
together with 1st practical presentation (in collaboration with Milan Jilek)

10.55 – 11.15 Jiří Popelář: Anesthesia, surgery, auditory evoked responses
and otoacoustic emissions in experimental animals

11.15 – 11.30 Coffee break

11.30 – 11.50 Ladislav Ouda: Basics in neurohistology, immunohistochemistry
and stereology

11.50 – 13.00 Oliver Profant: Audiological examination methods in humans.
Treatment of hearing loss by implantable devices.

13.00 – 14.00 Lunch

14.00 – 17.00 Practical presentations

2nd session – Anesthesia, surgery, auditory evoked responses and otoacoustic
emissions in experimental animals
  Jiří Popelář, Tetyana Chumak, Kateryna Pysanenko

3rd session – Basics in neurohistology, immunohistochemistry and stereology
  Ladislav Ouda, Jana Burianová

4th session – Audiological examination methods in humans
  Oliver Profant, Milan Jilek
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PROGRAM

FRIDAY May 27

9.30 – 10.00 Josef Syka: What we do

10.00 – 10.30 Daniel Šuta: Single and multiple unit recording in-vivo

10.30 – 11.10 Rostislav Tureček: Patch clamp and brain slices

11.10 – 11.40 Coffee break

11.40 – 12.20 Ondřej Zelenka: Two-photon microscopy in the auditory cortex

12.20 – 12.50 Daniel Šuta: Behavioral methods in auditory research

12.50 – 14.00 Lunch

14.00 – 17.15 Practical presentations

5th session – Single and multiple unit recording
Jiří Popelář, Tetyana Chumak

6th session – Patch clamp and brain slices
Rostislav Tureček, Michaela Králiková, Kateryna Pysanenko

7th session – Two-photon microscopy in the auditory cortex of mouse
Ondřej Zelenka, Ondřej Novák, Aneta Brunová

8th session – Behavioral methods in auditory research
Natalia Rybalko, Daniel Šuta

15.30 – 15.45 Coffee break

17.15 End of the Meeting

18.00 Dinner – Restaurant Na tý louce zelený
Practical presentations

Thursday

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1st session – Acoustical measurement and stimulation – Lecture hall

2nd session – Anesthesia, surgery, auditory evoked responses and otoacoustic emissions in experimental animals – 2nd floor, room 2.16

3rd session – Basics in neurohistology, immunohistochemistry and stereology – 2nd floor, room 2.09

4th session – Audiological examination methods in humans – Lecture hall

5th session – Single and multiple unit recording – 2nd floor, room 2.16

6th session – Patch clamp and brain slices – 4th floor, room 4.22b

7th session – Two-photon microscopy in the auditory cortex of mouse – Basement, room 01.12

8th session – Behavioral methods in auditory research – 1st floor

Staff:

Prof. Josef Syka, M.D., D.Sc. – director
Jiří Podeřá, PhD. – deputy director
Aneta Brunová, MSc.
Zbyněk Bureš, MSc., PhD.
Jana Burianová, MSc., PhD.
Tetyana Chumak, M.D.
Milan Jilek, MSc.
Michaela Králíková, MSc., PhD.
Ondřej Novák, MSc.
Ladislav Ouda, M.D., PhD.
Oliver Profant, M.D., PhD.
Kateryna Pysanenko, MSc.
Natalia Rybalko, MSc., PhD.
Daniel Šuta, MSc., PhD.
Rostislav Tureček, MSc., PhD.
Ondřej Zelenka, M.D.