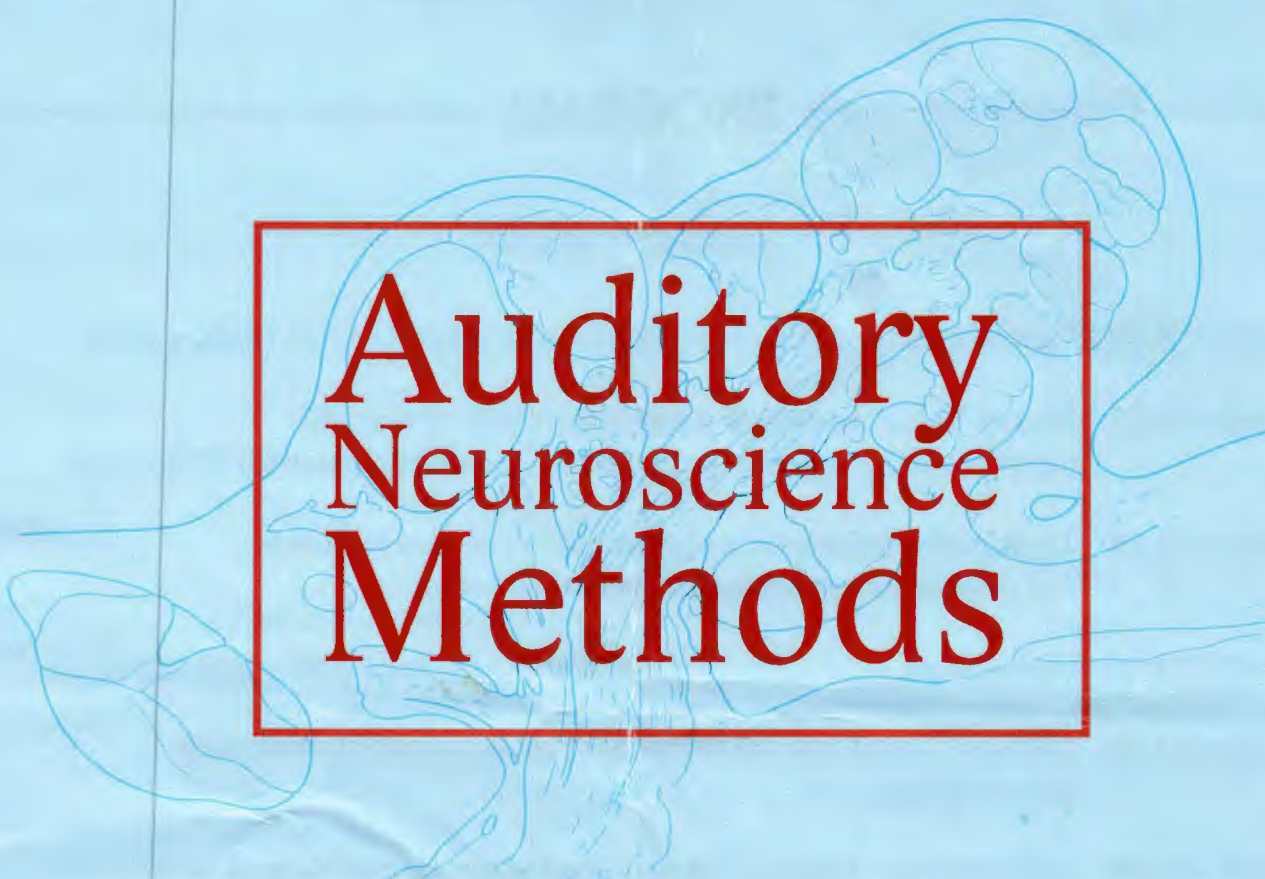


Neurobiology of Hearing 2016

University of Connecticut Health Center



Auditory Neuroscience Methods

Institute of Experimental Medicine CAS
Prague, May 26 – 27, 2016



Institute
of Experimental
Medicine AS CR, v.v.i.



The Czech Academy
of Sciences

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 Králíková, 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

| | | | | |
|-------------------------------------|--|-------------------------|-------------------------|-------------|
| 9 ⁴⁵ – 10 ⁵⁵ | 1 st session ABCD | | | |
| | 2 nd session | 3 rd session | 4 th session | break |
| 14 ⁰⁰ – 14 ⁴⁵ | C | D | A, B | |
| 14 ⁴⁵ – 15 ³⁰ | A | B | C, D | |
| 15 ³⁰ – 16 ¹⁵ | D | C | | A, B |
| 16 ¹⁵ – 17 ⁰⁰ | B | A | | C, D |

Friday

| | | | | |
|-------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 5 th session | 6 th session | 7 th session | 8 th session |
| 14 ⁰⁰ – 14 ⁴⁵ | A | B | C | D |
| 14 ⁴⁵ – 15 ³⁰ | D | A | B | C |
| 15 ³⁰ – 15 ⁴⁵ | Coffee break | | | |
| 15 ⁴⁵ – 16 ³⁰ | C | D | A | B |
| 16 ³⁰ – 17 ¹⁵ | B | C | D | A |

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 Popelář, 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.