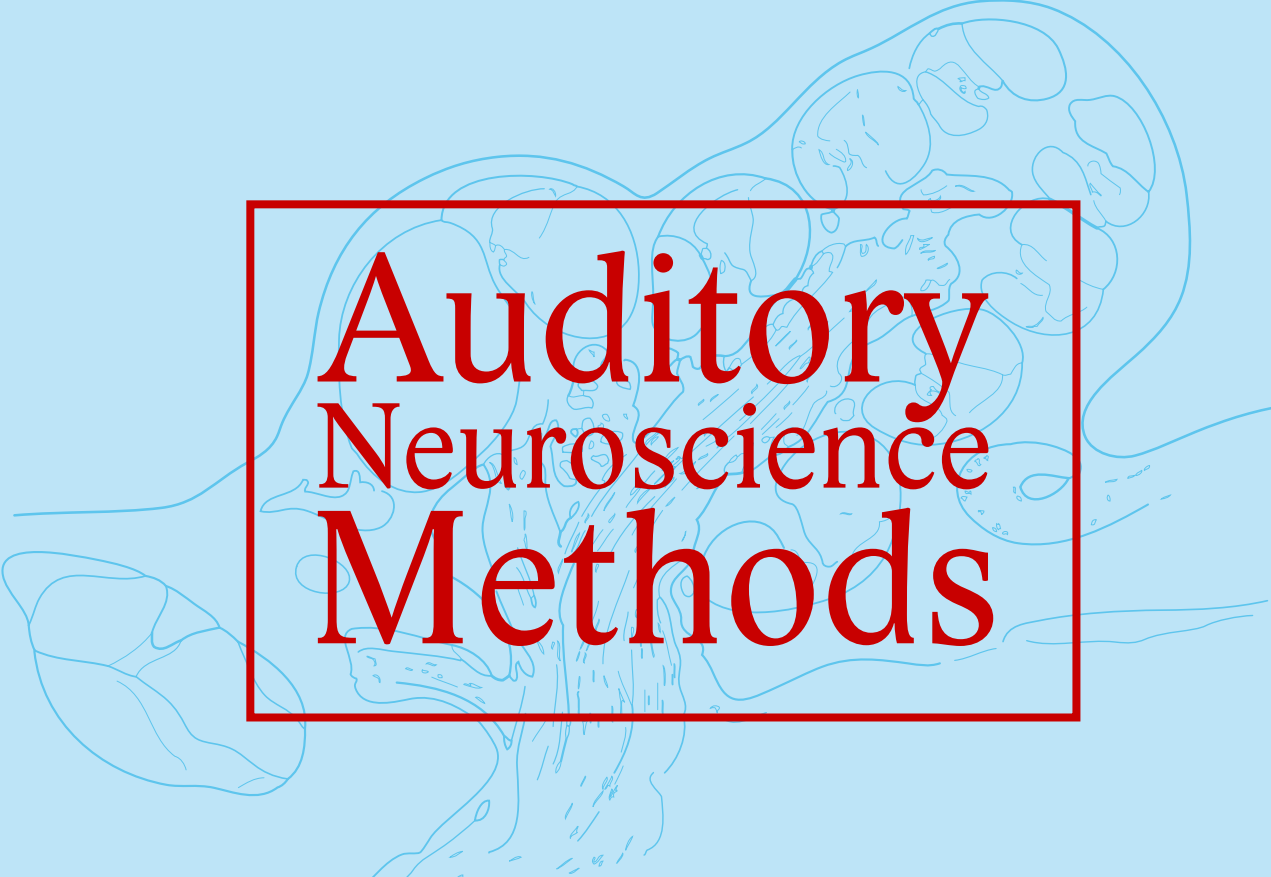


Neurobiology of Hearing 2018

University of Connecticut Health Center



Auditory Neuroscience Methods

Institute of Experimental Medicine CAS
Prague, June 11 – 12, 2018



Institute of Experimental
Medicine CAS



The Czech Academy
of Sciences

NEUROBIOLOGY OF HEARING 2018

Auditory Neuroscience Methods

Institute of Experimental Medicine CAS, Prague, June 11 – 12, 2018
Venue: Vídeňská 1083, Prague 4

PROGRAM

MONDAY June 11

- 9.00 Welcome [Josef Syka](#) – What we do
- 9.30 – 10.40 [Zbyněk Bureš](#): Acoustical measurement and stimulation together with 1st practical presentation (in collaboration with [Milan Jilek](#))
- 10.40 – 11.00 [Jiří Popelář](#): Anesthesia, surgery, auditory evoked responses and otoacoustic emissions in experimental animals
- 11.00 – 11.20 Coffee break
- 11.20 – 11.50 [Daniel Šuta](#): Behavioral methods in auditory research
- 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](#), [Kateryna Pysanenko](#)
- 3rd session – Behavioral methods in auditory research
[Natalia Rybalko](#), [Daniel Šuta](#)
- 4th session – Audiological examination methods in humans
[Oliver Profant](#), [Milan Jilek](#)

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PROGRAM

TUESDAY June 12

- 9.30 – 10.00 **Daniel Šuta:** Single and multiple unit recording *in-vivo*
- 10.00 – 10.20 **Jana Svobodová Burianová:** Basics in neurohistology, immunohistochemistry and stereology
- 10.20 – 10.50 Coffee break
- 10.50 – 11.20 **Rostislav Tureček:** Patch clamp and brain slices
- 11.20 – 12.00 **Ondřej Novák:** Two-photon microscopy in the auditory cortex
- 12.00 – 13.30 Lunch
- 13.30 – 17.00 Practical presentations
- 5th session – Single and multiple unit recording
Jiří Popelář, Kateryna Pysanenko
- 6th session – Basics in neurohistology, immunohistochemistry and stereology
Jana Svobodová Burianová (in collaboration with **Lenka Tůmová**)
- 7th session – Patch clamp and brain slices
Rostislav Tureček, Michaela Králíková
- 8th session – Two-photon microscopy in the auditory cortex of mouse
Ondřej Novák, Aneta Brunová
- 15.00 – 15.30 Coffee break
- 17.00 End of the Meeting
- 18.00 Dinner – *Restaurant Na tý louce zelený*

Practical presentations

Monday

9 ⁵⁰ – 11 ⁰⁰	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

Tuesday

	5 th session	6 th session	7 th session	8 th session
13 ³⁰ – 14 ¹⁵	A	B	C	D
14 ¹⁵ – 15 ⁰⁰	D	A	B	C
15 ⁰⁰ – 15 ³⁰	Coffee break			
15 ³⁰ – 16 ¹⁵	C	D	A	B
16 ¹⁵ – 17 ⁰⁰	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 – Behavioral methods in auditory research – [1st floor](#)

4th session – Audiological examination methods in humans – [Lecture hall](#)

5th session – Single and multiple unit recording – [2nd floor, room 2.16](#)

6th session – Basics in neurohistology, immunohistochemistry and stereology – [2nd floor, room 2.09](#)

7th session – Patch clamp and brain slices – [4th floor, room 4.22b](#)

8th session – Two-photon microscopy in the auditory cortex of mouse – [Basement, room 01.12](#)

Staff:

Prof. Josef Syka, M.D., D.Sc. – *programme director*
Rostislav Tureček, Ph.D. – *head of department*
Jiří Popelář, Ph.D. – *deputy head of department*
Aneta Brunová, MSc.
Zbyněk Bureš, Assoc. Prof., Ing., Ph.D.

Milan Jilek, Ing.
Michaela Králíková, Ph.D.
Ondřej Novák, Ph.D.
Oliver Profant, M.D., Ph.D.
Kateryna Pysanenko, Ph.D.

Natalia Rybalko, Ph.D.
Jana Svobodová Burianová, Ph.D.
Daniel Šuta, Ing., Ph.D.
Lenka Tůmová, B.Sc.