

# NEUROBIOLOGY OF HEARING 2012

## Auditory Neuroscience Methods

Institute of Experimental Medicine AS CR, Prague, June 11–12, 2012

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### PROGRAM

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#### MONDAY June 11

- 9.00 – 9.30 Introductory speeches – Douglas Oliver & Josef Syka
- 9.30 – 11.00 Les Bernstein: Methods and signals
- 11.00 – 11.15 Coffee break
- 11.15 – 12.15 Introduction to four methods
- 12.15 – 13.30 Lunch
- 13.30 – 17.45 Practical presentations
- Acoustical measurement and stimulation  
*Zbyněk Bureš, Milan Jilek*
  - Anesthesia, surgery, auditory evoked responses  
*Jiří Popelář, Tetyana Chumak, Jolana Bartošová*
  - Behavioral methods in auditory research  
*Daniel Šuta, Natalia Rybalko*
  - Basics in immunohistochemistry, stereology and quantitative morphology  
*Ladislav Ouda*
- 15.30 – 15.45 Coffee break

#### TUESDAY June 12

- 9.00 – 10.30 Les Bernstein: Binaural hearing
- 10.30 – 10.45 Coffee break
- 10.45 – 11.45 Introduction to four methods
- 12.00 – 13.30 Lunch
- 13.30 – 17.45 Practical presentations
- Patch clamp and brain slices  
*Rostislav Tureček, Michaela Králíková, Kateryna Pysanenko*
  - Single and multiple unit recording  
*Daniel Šuta, Jiří Popelář, Jolana Bartošová, Tetyana Chumak*
  - Two-photon microscopy in the auditory cortex of mouse  
*Ondřej Novák, Ondřej Zelenka*
  - Measurement of otoacoustic emissions and subjective audiogram  
*Jiří Popelář, Milan Jilek, Oliver Profant*
- 15.30 – 15.45 Coffee break
- 18.30 – 21.30 Dinner at the restaurant Na tý louce zelený