"Auditory Processing and Language Disorders: Insights from Electrophysiology and Imaging Studies and Application to Clinical Practice"

Course Directors: Dr. Doris-Eva Bamiou & Dr. Ifat Yasin

Wed 4th – Fri 6th May 2011

8.30 - 9.00 Registration

From Brainstem to Cortex - Chair Dr. Doris-Eva Bamiou

09.00 - 09.10 Welcome and Opening Remarks (Prof. Linda Luxon)
09.10 - 09.30 Auditory Processing in the Brain - (Prof. David McAlpine)
09.30 - 09.50 The Need for Electrophysiological Assessment of Suspected APD (Dr. Doris-Eva Bamiou)
09.50 - 10.10 Incorporating Objectives Measures into a Clinical Test Battery (Dr. Tony Sirimanna)
10.10 - 10.30 Coffee Break
10.30 - 11.30 Keynote lecture: Speech Processing: Brainstem to Cortex (Prof. Nina Kraus)
11.30 - 12.15 Panel and Audience Discussion

12.15 - 13.30 Lunch break

Analysis and Interpretation of Objective measures - Chair Prof. Nina Kraus

13.30 - 14.30 Keynote lecture: The mismatch negativity - A unique window to brain mechanisms of central auditory processing (Prof. Risto Näätänen)
14.30 - 15.00 Electrophysiological Measures of Auditory Grouping (Dr. Ifat Yasin)
15.00 - 15.30 Measures of Auditory Change Detection (Dr. Maria Chait)
15.30 - 16.00 Panel and Audience Discussion

16.00 - 16.30 Coffee Break
16.30 - 17.30 Application to Clinical Practice Workshop with Case Studies- Prof. Risto Näätänen and Prof. Nina Kraus Chairs Dr. Doris-Eva Bamiou & Dr. Ifat Yasin

1730- Close

8.30 - 9.00 Registration

*Speech and Language Basics - Chair Prof. Nina Kraus*

- 09.00 - 0910 Welcome and Opening Remarks (Dr. Doris –Eva Bamiou)
- 09.10 - 09.30 The Basics of Speech Perception (Dr. Carolyn McGettigan)
- 09.30 - 10.30 **Keynote Lecture:** Speech Processing & Application to APD assessment (Prof. Stuart Rosen)

10.30 - 11.00 Coffee break

11.00 - 12.00 **Keynote Lecture:** Imaging Studies of Auditory processing and Language (Prof. Sophie Scott)

12.00 - 12.30 Panel and Audience Discussion with speakers & Profs Nina Kraus, Sophie Scott & Stuart Rosen, **Chairs Dr. Doris-Eva Bamiou & Dr. Ifat Yasin**

12.30 - 13.30 Lunch break

*Language and Cognition - Chair Prof. Usha Goswami*

- 13.30 - 14.30 **Keynote Lecture:** Neurogenic Bases of Language Disorders and Auditory Processing (Prof. Faraneh Vargha-Khadem)
- 14.30 - 15.00 Music for the Development of Auditory Skills: Implications for APD (Prof. Nina Kraus)

15.00 - 15.30 Coffee Break

15.30 - 16.30 **Keynote Lecture:** The Role of Attention in Auditory processing Disorders (Dr. David Moore)

16.30 - 17.00 Auditory (Verbal and Non-verbal) memory: Overview of brain networks and patient assessments (Prof. Faraneh Vargha-Khadem)

17.00 - 1730 Application to Clinical Practice Workshop/Discussion with Profs David Moore, Stuart Rosen, Faraneh Vargha-Khadem, **Chairs Dr. Doris-Eva Bamiou & Dr. Ifat Yasin**

17.30 – **Soiree in the Ear Institute Atrium**
Day 3 (6th May): Auditory Processing and Language Disorders – Special Populations and Plasticity

08.30- 09.00 Registration

Special Populations - Chair Dr. Eva-Bamiou

09.00 - 09.10 Welcome and Opening Remarks (Dr. Stuart Rosen)
09.10 - 09.30 Auditory Processing in Adults (Dr. Eva-Bamiou)
09.30 – 10.30 Keynote Lecture: Auditory Processing in Dyslexia, Specific Language Impairment & Autism (Prof. Stuart Rosen)
10.30 – 11.00 Auditory Processing in Hearing Impairment (Dr. Lorna Halliday)
11.00 - 11.30 Coffee Break
11.30 - 12.00 Higher-order auditory processing in the stroke population (Dr. Alexander Leff)

12.00 - 13.00 Lunch break

Plasticity and Learning - Chair Dr. Tony Sirimanna

1300 – 1400 Keynote Lecture: Auditory processing in APD (Melanie Ferguson)
14.00 - 14.30 Principals of Auditory Learning (Dr. Sygal Amitay)
14.30 -15.00 Coffee Break
15.00 -16.30 Workshop & Case Studies: Auditory Training for Language and Auditory processing Disorders- the evidence with Dr. Sygal Amitay, Prof. Faraneh Vargha-Khadem, Dr. Lorna Halliday, Prof. David Moore, Prof. Stuart Rosen, Dr. Alexander Leff, Chairs Dr. Doris Eva-Bamiou & Dr. Ifat Yasin

16.30 – 16.45 Closing Remarks & Summary Chairs Dr. Doris Eva-Bamiou & Dr. Ifat Yasin