

EPFL Bertarelli Symposium, April 17, 2015 - Program

update: March 19, 2015

venue: Campus Biotech, 9, Chemin des Mines, Geneva, Switzerland	time	duration
badges, coffee	08.30 h	
welcome, opening words	09.00 h	00:15
J.P. Donoghue (Director, Wyss Center Geneva)	<i>The Wyss Center for Bio and Neuroengineering: Accelerating Neurotechnology for Human Benefit</i>	09.15 h 00:30
A. van der Kouwe (Harvard Medical School) D. Van De Ville (EPFL)	<i>Dynamics of Brain Networks in Children with Autism: from Motion-Corrected Imaging through Network Analysis to Prediction of Effective Treatment Response</i>	09.45 h 00:30
coffee	10.15 h	00:30

Session on Rehabilitation and Robotics:

R.D. Howe (Harvard University)	<u>Keynote Lecture:</u> <i>Robot Hands and Rehabilitation: Mechanics, Sensing, and Control</i>	10.45 h 00:50
S. Micera (EPFL Center for Neuroprosthetics)	<i>The Quest for a Bionic Hand: Recent Achievements and Future Perspectives</i>	11.35 h 00:30
lunch	12.15 h	01:30

Session on Audition:

K. Stankovic (Harvard Medical School) D. Psaltis (EPFL)	<i>Advanced Optical Techniques for Clinical Diagnosis and Therapy of Hearing Loss</i>	13.45 h 00:30
C. Brown (Harvard Medical School) S. Lacour and N. Grandjean (EPFL)	<i>Next Generation Auditory Brainstem Implants: Translation to Clinical Implementation</i>	14.15 h 00:30
J. Holt (Harvard Medical School) P. Aebischer (EPFL)	<i>Gene Therapy in Mouse Models of Human Deafness</i>	14.45 h 00:30
coffee	15.15 h	00:30

Session on Vision:

D. Ghezzi (EPFL Center for Neuroprosthetics)	<i>Neuroengineering Approaches for Vision Restoration</i>	15.45 h 00:30
M.J. Young (Harvard Medical School) M.P. Lutolf (EPFL) and Y. Arsenijevic (Lausanne Eye Hospital)	<i>Towards Tissue Engineering the Macula: Cone-RPE Constructs</i>	16.15 h 00:30
T.J. Wolfensberger (Director, Vitreoretinal Unit, Lausanne Eye Hospital)	<u>Keynote Lecture:</u> <i>Vision Without Light : From Wacky Experiments to Current Clinical Applications of Retinal Implants</i>	16.45 h 00:50

O. Blanke (EPFL Bertarelli Program co-Director)	closing remarks	17.35 h 00:05
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end (approx.) **17.45 h**