**EPFL Bertarelli Symposium, April 17, 2015 - Program**

**update: March 19, 2015**

**venue:** Campus Biotech, 9, Chemin des Mines, Geneva, Switzerland

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<th>time</th>
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<td>08.30 h</td>
<td>00:15</td>
<td>badges, coffee</td>
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| 09.00 h | 00:30 | welcome, opening words | J.P. Donoghue (Director, Wyss Center Geneva)  
The Wyss Center for Bio and Neuroengineering: Accelerating Neurotechnology for Human Benefit |
| 09.15 h | 00:30 | J.P. Donoghue  
A. van der Kouwe (Harvard Medical School)  
D. Van De Ville (EPFL)  
Dynamics of Brain Networks in Children with Autism: from Motion-Corrected Imaging through Network Analysis to Prediction of Effective Treatment Response |
| 10.15 h | 00:30 | coffee |
| 10.45 h | 00:50 | R.D. Howe (Harvard University)  
Keynote Lecture: Robot Hands and Rehabilitation: Mechanics, Sensing, and Control |
| 11.35 h | 00:30 | S. Micera (EPFL Center for Neuroprosthetics)  
The Quest for a Bionic Hand: Recent Achievements and Future Perspectives |
| 12.15 h | 01:30 | lunch |
| 13.45 h | 00:30 | K. Stankovic (Harvard Medical School)  
D. Psaltis (EPFL)  
Advanced Optical Techniques for Clinical Diagnosis and Therapy of Hearing Loss |
| 14.15 h | 00:30 | C. Brown (Harvard Medical School)  
S. Lacour and N. Grandjean (EPFL)  
Next Generation Auditory Brainstem Implants: Translation to Clinical Implementation |
| 14.45 h | 00:30 | J. Holt (Harvard Medical School)  
P. Aebischer (EPFL)  
Gene Therapy in Mouse Models of Human Deafness |
| 15.15 h | 00:30 | coffee |
| 15.45 h | 00:30 | D. Ghezzi (EPFL Center for Neuroprosthetics)  
Neuroengineering Approaches for Vision Restoration |
| 16.15 h | 00:30 | M.J. Young (Harvard Medical School)  
M.P. Lutolf (EPFL)  
Y. Arsenijevic (Lausanne Eye Hospital)  
Towards Tissue Engineering the Macula: Cone-RPE Constructs |
| 16.45 h | 00:50 | T.J. Wolfensberger (Director, Vitreoretinal Unit, Lausanne Eye Hospital)  
Keynote Lecture: Vision Without Light: From Wacky Experiments to Current Clinical Applications of Retinal Implants |
| 17.35 h | 00:05 | O. Blanke (EPFL Bertarelli Program co-Director)  
closing remarks | end (approx.) 17.45 h |