**Bertarelli Symposium on Translational Neuroscience and Neuroengineering, April 17, 2015 --- Program**

**registration by April 10, 2015** (free of charge) is mandatory: [http://ptnn.epfl.ch/symposium2015](http://ptnn.epfl.ch/symposium2015)

**update: March 26, 2015**

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### time  
### duration

<table>
<thead>
<tr>
<th>badges, coffee</th>
<th>08.30 h</th>
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| D. Psaltis  
(EPFL Bertarelli Program co-Director) | welcome, opening words | 09.00 h | 00:15 |
| J.P. Donoghue  
(Director, Wyss Center Geneva) | The Wyss Center for Bio and Neuroengineering: Accelerating Neurotechnology for Human Benefit | 09.15 h | 00:30 |
| A. van der Kouwe  
(Harvard Medical School) | Dynamics of Brain Networks in Children with Autism: from Motion-Corrected Imaging through Network Analysis to Prediction of Effective Treatment Response | 09.45 h | 00:30 |
| D. Van De Ville  
(EPFL) | --- | --- | --- |

**coffee**  
10.15 h 00:30

### Rehabilitation and Robotics -- Session Chair: A. Schnider (Geneva University Hospital)

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

**coffee**  
10.15 h 00:30

### Hearing -- Session Chair: D. Corey (Harvard Medical School)

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

### Vision -- Session Chair: F. Behar-Cohen (Lausanne Eye Hospital)

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

**closing remarks**  
17.35 h 00:05

**end (approx.)**  
17.45 h