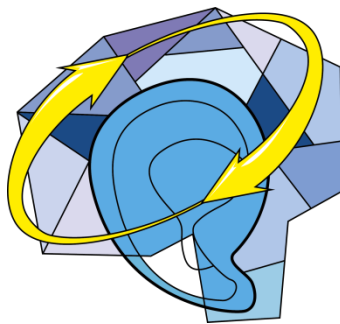


# Closing the Auditory (Efferent) Loop

International Symposium



## Meeting

*Monday, October 26 -  
Wednesday, October 28  
2015*

### **Location:**

Herrenhausen Castle  
Hannover

### **Organisation:**

Theodor Doll, Maria Höfer, *Hannover*  
Stefan Debener, *Oldenburg*  
Marlies Knipper, *Tübingen*  
Honorary Int`'s Chair: Thomas Lenarz

| Day 1 (26.10.2015) |  |  |
|--------------------|--|--|
| Till 17:00         | Arrival  |  |
| 18:00-18:15        | Welcome  | Lenarz   |
| 18:15-19:30        | Joint Introduction   | Doll, Debener, Knipper   |
| 19:30              | Get together   |  |
|                    |  |  |
| Day 2 (27.10.2015) |  |  |
| 8:30-9:00          | Overview – planned activities  | tba  |
| 9:00-12:30         | Plenary Talks – state of the art, limitations and outlook  |  |
|                    | Clinical Research  | Lenarz, tba  |
|                    | Neurophysiology of the healthy auditory system - basic research and possibilities for closing the loop   | Knipper, Sánchez Malmierca, Puel   |
|                    | Signal Processing and Audiology  | Shinn-Cunningham, Limberger  |
|                    | Modelling and System Integration   | Meddis, Hemmert  |
|                    | Neurosurgery and anatomy   | Schrott-Fischer, tba   |
|                    | Panel Discussion   | Ryugo, Kollmeier, Altenmüller  |
| 12:30-13:30        | lunch  |  |
| 13:30-17:30        | <b>Track A</b><br><br>15 <b>expert talks</b><br>about own work related to closing the loop<br><br>McLaughlin, Lopez-Poveda, De Cheveigné, Barone, Sharma, Schönwiesner, Laback, Bendixen, Stieglitz, Tangermann, Kidmose, Dalhoff, van Dijk, Delano, Pyott | <b>Track B</b><br><b>Tutorials</b><br>- Recording and Analysis<br>- Modelling<br>- BCI Technology<br><b>Short talks</b><br><b>Poster Session</b> |
| 17:30-18:00        | Wrap up  | tba  |
| 18:00-19:00        | Dinner   |  |
| 19:00-20:30        | Open lecture<br>“Hätte Beethoven von den heutigen Cochlea Implantaten profitiert?”   | Zenner   |

| Day 3 (28.10.2015) |   |  |
|--------------------|---|--|
| 8:30-12:00         | Work groups – Road Mapping  |  |
|                    | Overview planned activities   | tba  |
|                    | Clinic / Patient Studies  | Gilles, Lenarz, Maier, tba                                   |
|                    | Neurophysiology / Animal Studies                                      | Kral, Puel, Rüttiger, Sanchez Malmierca                      |
|                    | Anatomy / Neurosurgery  | Krauss, Schrott-Fischer, Sprinzl, tba                        |
|                    | Psychology / Psychophysics / Audiology                                | Beauchamp, Bendixen, Limberger, van Dijk                     |
|                    | Signal Processing / Coding  | Büchner, Doclo, Hamacher, Shinn-Cunningham                   |
|                    | Modelling   | Denham, Jürgens, Meddis, Verhulst                            |
|                    | Technology / System Integration                                       | Braun, Stieglitz, Voix, Waldmann                             |
|                    | BCI   | De Vos, Holme, Debener, Solzbacher                           |
|                    | Wrap-up   | tba  |
| 12:00-13:00        | lunch   |  |
| 13:00-14:00        | Track A<br>Contribution of participants to future of closing the loop | Track B<br>Career development for students<br><br>Glasmacher |
|                    |   |  |
| 14:00-15:00        | Wrap up and panel discussion  | Kollmeier, Ryugo, tba  |
| From 15:00         | farewell /departure   |  |