Excellence Initiative at a Glance

The Programme by the German Federal and State Governments To Promote Top-level Research at Universities

The Second Phase 2012–2017
Graduate Schools – Clusters of Excellence – Institutional Strategies
Hearing4all

Research for better hearing

Nearly one in five Germans and half of all German seniors over the age of 65 suffer from impaired hearing. There is an increasing need for more precise diagnostic methods and individually adjusted hearing aids. The Cluster of Excellence Hearing4all combines basic and applied research striving towards a breakthrough in auditory research and rehabilitation. It focuses on three research areas:

- Individual diagnostics
- Optimising hearing devices by applying theory-driven functional principles
- Developing new technologies to adapt hearing support to patients’ needs

Approximately 80 per cent of the world production of hearing aids contains expertise from Oldenburg. Hannover Medical School operates the world’s largest cochlear implant centre. The two locations have established a joint centre for auditory research to bundle the work of Physicists, Engineers, Psychologists, Biologists, medical researchers and Physicians. The Cluster offers support for doctoral candidates as well as career advancement for post-docs and junior research group leaders.

Partners:
- University of Oldenburg (applicant – speaker)
- Hannover Medical School (co-applicant)
- Leibniz Universität Hannover (co-applicant)
- Jade University of Applied Sciences, Wilhelmshaven/Oldenburg/Elsfleth
- Fraunhofer Institute for Digital Media Technology IDMT, Oldenburg
- Hörtech gGmbH, Oldenburg
- Hörzentrum Oldenburg GmbH
- Laser Zentrum Hannover
- Deutsches HörZentrum Hannover

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