The Neurogenetics group (Prof. Nothwang) at the European Medical School (EMS), University of Oldenburg offers from March 2015**1 PhD position** (TVL E13 50/65%) in the field of Evo-Devo of the Auditory System

The position is initially funded for three years.

The mammalian middle ear is a standard text book example of evolutionary process-es. Yet, not much is known about the evolution of underlying developmental pro-cesses and the accompanying changes in the central auditory system. The PhD pro-ject therefore aims at insights into the evolutionary paths resulting in the modern mammalian auditory system.

Applied methods will include embryology, tracing and in-situ hybridization, and standard molecular biology techniques in various vertebrates groups and mammalian families. In addition, gene regulatory networks will be assembled.

We seek a highly motivated PhD student with an academic university degree (Mas-ter or Diploma) in Biology or related fields. Hands-on experiences in cellular neurobiology or bioinformatics/gene regulatory networks are of advantage.

We offer an attractive work environment with excellent facilities and education. The project is embedded into several national and international collaborations and the possibility exists to perform a stage in Australia.

The Carl von Ossietzky University of Oldenburg is an equal opportunity employer aiming to increase the proportion of female academic staff members. Therefore, we especially encourage women to apply. Applicants with disabilities will be given preference if equally qualified.

Please submit your motivation letter, CV, certificates, and name of two references preferred by normal mail to Prof. Dr. Hans Gerd Nothwang, Abt. Neurogenetik, Carl von Ossietzky Universität Oldenburg, Carl von Ossietzky Str. 9-11, D-26129 Olden-burg). Applications are

continuously considered until the position is filled.

Key publications:

1. Nothwang HG, Ebbers L, Schlüter T, Willaredt MA (2015) The emerging framework of mammalian auditory hindbrain development, Cell Tiss Res., in press.

2. Willaredt N, Schlüter T, Nothwang HG (2015) The gene regulatory networks underlying formation of the auditory hindbrain. Cell Mol Life Sci. 72(3):519-35

3. Willaredt M, Ebbers L, Nothwang HG (2014) Central auditory functions of deafness genes. Hear Res. 312C:9-20.

4. Ehmann H, Hartwich H, Salzig C, Hartmann N, Clement-Ziza M, Ushakov K, Avraham KB, Bininda-Emonds ORP, Hartmann AK, Lange P, Friauf E, Nothwang HG (2013) Time-dependent gene expression analysis of the developing superior olivary complex. J Biol Chem. 288:25865-25879