

The Institute for Lung Health (ILH) of the Justus-Liebig University Giessen (JLU), integrated into The German Center for Lung Research (DZL) combines state-of-the-art basic science and sophisticated pre-clinical research in cardiopulmonary diseases. The research group **Perinatal Lung Health and Chronic Disease** investigates the molecular mechanisms of normal and aberrant late lung development with a special focus on perinatal origins of cardiopulmonary diseases. The main goal is to identify novel pathways and targets to control lung growth and regeneration. The head of the research group, Prof. Dr. Dr. Miguel A. Alejandre Alcázar, invites talented and motivated candidates to apply for a position as

Doctoral Scholarship (PhD, f/m/d)

Tasks:

The successful candidate should learn to evaluate research results independently; write scientific abstracts and manuscripts; and participate in one of the internationally leading graduate programmes associated with pulmonary research. Experimental research includes at least one of the following areas:

- Molecular, cell biological, physiological, histological examinations of aberrant lung and cardiovascular development.
- Deciphering genetic/epigenetic signatures and molecular pathways leading to perinatal lung injury and repair.
- Examinations in pre-clinical disease models with advanced imaging techniques.
- Investigation of inter-organ communication using advanced ex vivo models, e.g. precision-cut lung slices or organoids.

The project will be carried out in close collaboration with the Cardiopulmonary Institute (CPI) and the Universities of Giessen and Marburg Lung Center (UGMLC), integrated into The German Center for Lung Research (DZL).

Requirements:

We are looking for an enthusiastic student with a master degree (or equivalent) in life sciences or a degree in human or veterinary medicine. Candidates that have knowledge and experience in lung anatomy, physiology and development as well as in performing the activities mentioned above are preferred. A high degree of responsibility, motivation, communication skills in collaboration with colleagues and scientists, flexibility, commitment and interest in scientific work and laboratory activities round off your profile. We offer an extensive range of advanced training in an international environment (laboratory language English) with top-level research. The position is available immediately and initially limited to 3 years.

Application:

Please send the application (with cover letter, CV, relevant certificates and at least two references), preferably by e-mail in a **SINGLE PDF file by 29.02.2024** to miguel-angel.alejandre-alcazar@innere.med.uni-giessen.de or by post addressed to Prof. Dr. Dr. Miguel A. Alejandre Alcázar, Institute for Lung Health (IHL), CIGL-Building, Aulweg 132, 35392, Giessen, Germany. If applying per post, please include only copies as we will not return any submitted documents.