

POSTDOC in Cardiopulmonary Molecular Biology

A **postdoctoral research position** at *Hannover Medical School* (HMS), Department of Pediatric Cardiology and Critical Care, is available to study the molecular mechanisms of pulmonary vascular disease and right heart failure, and related translational therapeutic interventions, including cellular approaches, (iPS cells, mesenchymal stem cells and progenitor cells), miR/anti-miR, and synthetic modified RNA.

Requirements: Candidates should be highly motivated and focused, must hold a Ph.D. or M.D./Ph.D. degree in cell/molecular biology or related field, have at least 1 year of postdoctoral research experience and 1 first author original article publication, the willingness to teach students and technicians, and good English language skills.

Qualifications: Experience and expertise in mammalian cell culture, stem cell isolation and differentiation, biochemical and molecular biology techniques (including qPCR, cloning, lentiviral transduction/shRNAi in mammalian cells, siRNA), as well as basics in rodent models is required. Experience with iPS cell experimental design, airway drug delivery, and/or modified RNA is strongly desired.

In 2012, Hannover Medical School has been **ranked the #1 German Medical School by the German Research Foundation** (DFG, equivalent to NIH) in the category "research funding per professor", and belongs to the top 3 lung transplantation centers worldwide. Program project grants include REBIRTH (SFB) and BREATH Hannover. Our laboratory has been selected as host center for the Marie Curie RESPIRE2 program for PostDocs co-funded by the European Respiratory Society (ERS) and the European Union (last application deadline: July 31, 2015). Other funding opportunities for PostDocs include ISHLT, EMBO, ERS-LT, ESC, DGK, DFG.

We offer a team oriented environment with a structured mentoring/professional development program, a brand new research facility, and a strong connection to *Hannover Biomedical Research School* (<http://www.mh-hannover.de/hbrs.html>). Salary will be based on the candidate's level of experience and is competitive with NIH level. Benefits are excellent. Hannover is centrally located between Hamburg and Berlin and combines a broad cultural and recreational program with moderate costs of living.

Start date of the above position is July 2015 (with some flexibility). Applications will be considered for interview until the position is filled.

Disabled candidates with equivalent qualifications will receive preferential consideration. Hannover Medical School is an equal opportunity employer and encourages both male and female scientists to apply. Please submit your application materials including CV, publication list, 1/2-page personal statement (interests/research experience) and three reference letters to:

Georg Hansmann, MD, PhD

Associate Professor

Email: hansmann.georg@mh-hannover.de

<http://www.hansmannlab.com>

Key Requirements:

MD/PhD or PhD in Biology, Biochemistry, Biotechnology, (Cardiovascular or Cardiopulmonary) Life Sciences, or related fields.

MDs with a minimum of 3 years full time research experience are welcome to apply.

Ability to work independently.

Ability to multi-task and to meet tight deadlines.

Ability to work in a highly competitive field of research.

A proven record of publications.

Endogenous motivation, collaborative spirit, and enthusiasm.

Good organization skills and personal initiative.

Very good English communication skills (written and spoken).

Experience in the aforementioned areas in biochemistry, molecular biology (RNAs, stem cells) and genetics will be considered as an advantage.

The position is suitable for a full-time employment.

Equal Opportunities are part of our personnel policy – both women and men are invited to apply.

Qualified applicants with a disability will be given preference.