

Helmholtz – CSC – Fellowships 2010

- Helmholtz Centre:** Helmholtz Zentrum München
- Research Field:** Pulmonary Drug Delivery
- Research Project:** Efficient delivery of aerosolized drugs into the lungs of mice
- Position:** PhD Student
- Department/Supervising scientist:** Institute of Lung Biology and Disease/ Dr. Otmar Schmid

Research Area:

Inhalation of macromolecules (e.g. proteins, peptides) is receiving increasing attention for pulmonary and systemic delivery of innovative drugs due to advances in genetic engineering and biotechnology. Numerous mouse models are available for proof-of-principle studies during the pre-clinical development of these therapeutic approaches.

In this project innovative techniques for efficient and dose-controlled delivery of aerosolized drugs into the lungs of mice are developed and validated in mouse models.

Specific Requirements:

- Masters degree in physics, engineering or a related field
- Background in aerosol science
- Interest in design and test of novel instrumentation
- Willingness to work in a highly interdisciplinary field

Work Place: Neuherberg/München

Earliest Start (between September 2010 and February 2011): Sept. 2010

Language Course:

Further Information: Dr. Otmar Schmid

Address for application: Helmholtz Zentrum München
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