A post-doctoral research position (funded for $\geq$ 2 years) is available at the Department of Pharmaceutical Chemistry at Philipps-University Marburg, Germany, in the Heisenberg research group of Prof. Dr. Peter Kolb. The position is in the field of computer-aided structure-based design of tailored GPCR ligands.

**Research Area**

Research in our lab is focused on two main topics:

- predicting the selectivity & efficacy profiles of GPCR ligands; emphasis is placed on testing this approach through the prediction of ligands with tailored profiles (e.g. *ACS Chem. Biol.* 2015, 10, 715-724)

**Qualifications**

Candidates should have a Ph.D. in computational biochemistry, computational biophysics or a related field. A strong background in structure-based ligand design methods or Molecular Dynamics is desirable. Solid knowledge of GPCR biology and structure is highly desired. The candidate must be able to interact constructively with colleagues in a research environment and be able to write and communicate effectively in English.

**Location**

Philipps-University Marburg has a scientific tradition of almost five centuries and is particularly strong in pharmaceutical and chemical sciences. Currently, there are nearly 27’000 students of all disciplines. The research lab is embedded within several other research groups working on the biophysics of ligand binding and computational and synthetic approaches (e.g., the labs of Profs. Bünnemann, Klebe, and Diederich). International collaborations and substantial funding allow us to ask challenging research questions. State-of-the-art equipment and CPU power is available within the lab as well as within the University and the Hessian computer network. Salary is according to the German TV-L pay scale (level E13).

**Application**

For more information, visit [http://www.kolblab.org](http://www.kolblab.org). To formally apply, please send a short letter of motivation and a curriculum vitae, including a list of publications and the names of three referees, to Prof. Dr. Peter Kolb at applications@kolblab.org. Please also arrange for a letter of reference by your current supervisor to be sent to the same address.