

In the **Max-Planck-Institute of Molecular Physiology**, Department of Systemic Cell Biology in Dortmund/Germany a

PhD position

is available for a 3-year BMBF financed project.

Cell-matrix adhesion is a fundamental process by which cells interact with their immediate environment, sense and respond to it, control their morphology and migrate. These functions are mediated by dynamic adhesion sites located along the plasma membrane of the cell and composed of numerous different proteins interacting with each other. We will develop and apply advanced fluorescence-microscopy imaging, statistical, computational and systems biology approaches in order to study how adhesion sites get organized and respond to different extracellular and intracellular cues. For this project we are looking for PhD students enthusiastic about systems biology and interdisciplinary work, with a background in biology or physics.

PhD position (P3): Developing statistical approaches and computational tools for analyzing the molecular organization of adhesion sites. Requirements: Master/diploma degree in physics or a related field, strong programming and theoretical capabilities as well as interest in systems biology.

Women and handicapped people are explicitly invited to apply.

Please send applications to Dr. Eli Zamir, E-Mail: eli.zamir@mpi-dortmund.mpg.de. In your application, please refer to the **position (P3)** you apply for and include a cover letter, recent CV, copies of your certificates as well as two names of references with contact details. Please submit all documents before May 10th, 2009.

Starting date of the position: August 1st, 2009.

**Department of Systemic Cell Biology
Max Planck Institute of Molecular Physiology
Otto-Hahn-Str.11
D-44227 Dortmund
Germany
<http://www.mpi-dortmund.mpg.de/english/>**