



UNIVERSITÄT
DES
SAARLANDES



PHD OFFER

Title: Vimentin in migration

We are looking for a talented and highly motivated PhD candidate, who has a background in biophysics or biology to investigate the role of a particular part of the cytoskeleton (vimentin, a member of the intermediate filaments family) on migration. The specific questions will center around the influence of structural modification or post translational changes (e.g. by phosphorylation) of vimentin, the role of substrate stiffness and the influence of extracellular vimentin on migration. This PhD will teach you advanced quantitative biophysical methods (e.g. migration assays, high resolution microscopy, microfabrication, image analysis...) as well as introduce you to burning questions in biophysics – and probably you will be the one finding the answers!

Our lab consists of a young and dynamic group of scientists situated in Saarbrücken, Germany, directly on the border to France. You should speak fluently English, whereas German is highly appreciated.

Deadline for application: 15.5.2017

Starting time PhD: As soon as possible after that date.

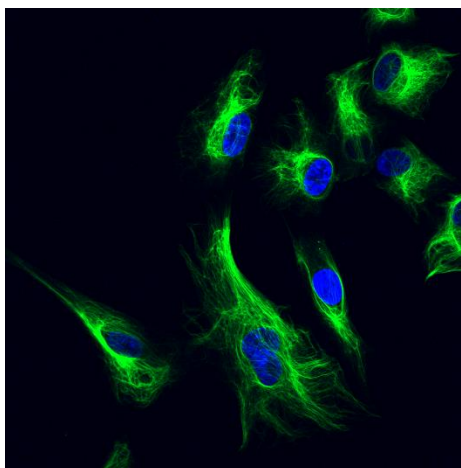


Figure: Vimentin (green) in migrating RPE1 cells.

In case of interest, please contact: Franziska Lautenschläger: f.lautenschlaeger@physik.uni-saarland.de