We are offering a postdoc and a phd student position in bioinformatics

Interested in machine learning applications in the biomedical sciences and bioinformatics?

We are a smaller research team of three postdocs, a couple of phd-students, varying undergraduates and the group leader. We are offering a postdoctoral position for 2 years (TVL E-13) starting as soon as possible, an extension is possible, or several phd-student positions (TVL E-13/2).

One project handles with immune suppression after sepsis, one with developing decision trees and classifiers for treatment suggestion of pneumonia and sepsis, and in one project, we are developing a classifier, which enables to discriminate emission spectroscopy data of living and dead bacteria to monitor disinfection efficiency.

We are analyzing and modeling clinical data, molecular data from transcriptomics and next generation sequencing to elucidate signaling and regulatory networks of immune cells, and of emission spectroscopy data. We employ machine learning methods, statistics, network analysis methods, own developments determining disease specific patterns to identify theranostic markers and specific drug targets for therapy.

If you are interested in systematically detecting functional patterns of such data, if you have experience in the analysis of high throughput data from functional genomics, and if you hold a degree (PhD for the postdoc positions, otherwise master/diploma degree) in bioinformatics, physics, computer science, mathematics, biology or related subjects, we are looking forward to your application (preferably within one pdf by email). Please send the email to my postdoc: marcus.oswald@med.uni-jena.de

In case of equal qualification, persons with disabilities will be given priority. The positions will be filled as soon as the appropriate candidates have been found.

Prof. Dr. Rainer König
CSCC, Jena University Hospital