

# Stellenausschreibung

Reg.-Nr. 353/2018

Fristende: 10.12.2018



**FRIEDRICH-SCHILLER-  
UNIVERSITÄT  
JENA**

The Friedrich Schiller University Jena is a scientifically recognized university with over 17,500 students. Jena is a young and vibrant university town with dynamic business activities, successful scientific innovation centers and a vibrant cultural scene around a traditional university. The Institute for Physical Chemistry of the Friedrich Schiller University Jena has at the earliest possible date one position as

## Doctoral Researcher Position (m/f)

**Project:** Contemporary research on photophysics and photochemistry of transition metal complexes involves the investigation of these systems as photoactive drugs. In addition to the plethora of synthetic, biological and pharmacological challenges associated with the design of novel transition metal complex-based photodrugs and their anticipated application, e.g., as anti-inflammatory or anti-cancer drugs, a central photophysical question is prevalent: How does the local environment in a life cell (or even more specifically: in specific compartments of a cell) impact the ultrafast function-determining photoinduced excited-state dynamics in such transition metal complexes?

This project will develop routines for statistical data analysis to answer this central question. The steps to be taken towards deciphering the ultrafast photoinduced processes of complexes inside cells will present the inherently important next photophysical step towards understanding the structure-dynamics-function relationship in this class of photoactive metal complexes.

### Qualification requirements:

- completed studies of physics, chemistry, mathematics or related disciplines
- sovereign mastery of a programming language like Python, Matlab or R
- good understanding of physics and mathematics is required
- ability to work in highly inter-disciplinary teams

### Main tasks:

- Independent teaching (exercises, proseminars, etc.)
- Exam control, examination protocols, scientific investigations, archival research
- Participation in application management and third-party project support.
- In addition, the candidate is expected to participate in a scientific qualification project, e.g. a doctorate works.

### We offer:

- an exciting field of activity with creative leeway
- attractive fringe benefits, e.g. Capital Assets, Job Ticket (benefits for public transport), occupational pensions (VBL)
- the pay scale follows the wage agreements for public employees of federal German states (TV-L E13, 50%)
- university health promotion and a family-friendly working environment with flexible working hours

The position is initially limited to 3 years; an extension is possible. Severely handicapped people are given preference for equal qualifications, aptitude and professional qualifications.

Applications with complete application documents must be sent by 10th. December 2018 to:

PD. Dr. Thomas Bocklitz  
Friedrich Schiller University Jena  
IPC junior research group "Statistical Modelling and Image Analysis"  
Institute of Physical Chemistry and Abbe Center of Photonics (IPC),  
Helmholtzweg 4, D-07743 Jena, Germany  
phone: +49-(0)3641-9-48328  
fax: +49-(0)3641-9-48302

If the return of the application documents is desired, a sufficiently stamped return envelope must be enclosed.

Please consider our application information: [http://www.uni-jena.de/stellenmarkt\\_hinweis.html](http://www.uni-jena.de/stellenmarkt_hinweis.html).

Please also note the information on the collection of personal data on: [www.uni-jena.de/Universität/Stellenmarkt/Datenschutzhinweis](http://www.uni-jena.de/Universität/Stellenmarkt/Datenschutzhinweis)