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## Opinions...



„I was fascinated by the possibilities computational studies offer to enlighten cellular functioning. In addition, I feel that my project will largely benefit from the program offered by the Graduate School which offers complementary expertise and training courses for the students.

I believe that the knowledge and experience I will gain during my PhD in the Erlangen bioinformatics group will help me to apply computational methods to important medical problems in the future.“

Nadine Homeyer



# BIGSS

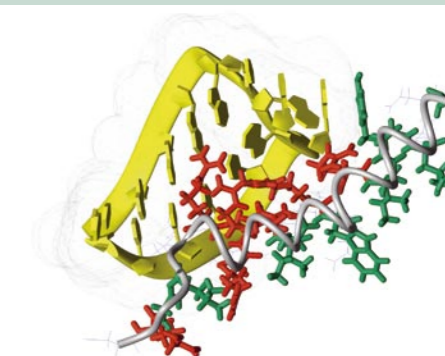
BioMedTec International  
Graduate School of Science

## Lead structures of Cell Function

Elitenetzwerk  
Bayern



## International Study Program Within the Elitenetzwerk of Bavaria



UNIVERSITÄT  
BAYREUTH

www.uni-bayreuth.de/elitenetzwerk/bigss/

## What is BIGSS?

**BIGSS** is a newly founded **Elite Graduate School**, with the topic “**Lead Structures of Cell Function**”, entirely funded by the State of Bavaria. As a joint endeavour of the **Universities of Bayreuth, Erlangen-Nürnberg, and Würzburg** it is part of the **Elitenet-work of Bavaria**.

The objective of the Elite Graduate School Program is to prepare investigators with diverse background for independent research careers in

which the concepts and methods of biochemistry, chemistry, and physics are applied to biological problems.

The Member Departments of BIGSS cover methods and projects along the path of drug development including: target characterization in gene transcription and signal transduction; proteins in viral and bacterial pathogens; proteins in cancer cells; X-ray crystallography; NMR; bioinformatics; development of animal models; pre-clinical research.

## Programs of study

Academic areas represent the depth and breadth of current research in the life sciences. Each BIGSS program provides research opportunities in basic life sciences.

BIGSS supports programs leading to a Ph.D. in natural sciences or medicine. Please visit members website using the links provided for details on these opportunities.

**Duration:** 3 years

### Academic benefits:

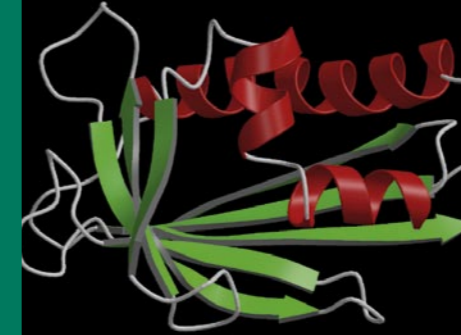
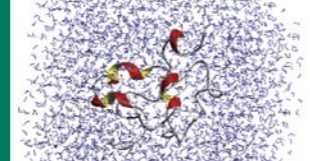
- Tuition fees waived
- Unlimited access to all university facilities

### Graduation Requirements:

- Teaching Assistant (5 credits per year)
- Presentation as part of the yearly internal evaluation\* (2 credits)
- Summer school attendance\* (3 credits)
- Written yearly progress report\* (2 credits)
- Presentation in departmental seminars (1 credit)
- Presentation at the yearly Rabenstein Seminar series for PhD-students\* (1 credit)
- Thesis\* (15 credits)

\*mandatory

50 credits are required for graduation



## Information

[www.bigss.de](http://www.bigss.de)

### Available positions:

Entry requirement is a Master Degree with First class or equivalent in natural sciences or medicine; holders of a Bachelor degree or equivalent may be considered under exceptional circumstances.

When applying, please state your favorite major field and department from the list of BIGSS member departments.

Send your application containing CV, copies of certificates, 2 letters of recommendation and any supporting material by e-mail to:

[sekretariat@bigss.de](mailto:sekretariat@bigss.de)

