

# DAAD Fellowship Offer

## DAAD / Roche Diagnostics Postdoctoral Programme

### Objective:

- The DAAD and "Roche Diagnostics" is offering scholarships for advanced research placements at two of Europe's leading Diagnostic/Pharma/Biotechnology centers in Penzberg, near Munich, and Mannheim.

The scholarships are open to all highly qualified young post-doctoral scholars from EU countries and the USA. The scholarships are aimed at young post-doctoral researchers for whom experience in industrial research is an important qualifying step in their professional careers. Experimental research and developments in the area of Diagnostics will be supported by German university professors/lecturers.

### Main Subject Areas:

- The following areas of research within the field of Diagnostics will be offered in Penzberg and/or Mannheim. Applicants should include their chosen area of study in their application forms, as well as two alternative options.

#### Penzberg

- Assay development
- Biacore for thermophoresis
- Bio-Informatics/-Statistics
- Cellular analytics
- Clinical parameter validation
- Expression systems
- LC-Mass Spectrometry
- Mass Spectrometry analysis for DNA-fragment detection
- New optical detection principles
- Novel label conjugates
- Novel methods for immunogen synthesis
- Nucleic acid chemistry
- Organic chemistry of dyes and solid phases
- Protein analytics and chemistry
- Protein folding
- Proteomics
- Recombinant proteins/antibodies
- Synthetic antibodies

#### Mannheim

- Analytical electrochemistry
- Assay development (Immunochemistry, Clinical Chemistry, Coagulation)
- Data analysis
- Dry chemistry formulation
- Electrochemical detection
- Microfabrication technology
- Microfluidics
- $\mu$ TAS
- Miniaturized optics & Imaging
- New optical detection
- Novel label conjugates
- Process development
- Sensor development
- System integration

### Duration:

- 12 months, with a possible extension of up to a further 12 months.

### Application Criteria:

- Applicants must have an excellent academic background.
- Applicants will be selected, based on their previous academic achievements.
- Candidates should display knowledge of at least one of the following areas of study:
- Chemistry, Molecular Biology, Cell Biology, Bio-Informatics, Biochemistry, Biotechnology, (Bio-)Physics, Micro- and Nanotechnology, Microsystem Technology.
- Applicants should submit 2 references by their university lecturer/supervisor. These should include both academic and personal details on the applicant.
- Knowledge of German is not required.

### Application Procedure:

- Application details can be found on the application form ("Antrag auf ein Forschungs-/ Studienstipendium"). This can be found on our website, at the German Embassy, through any DAAD lector or at any local DAAD office.

### Application Deadline:

- Applications can be submitted at any time.
- All applications should be submitted to a local DAAD office or to 'Referat 222' at the DAAD Head Office in Bonn.

### Further information can be obtained from:

- DAAD, Referat 222  
Postfach 20 04 04  
D-53134 Bonn, Germany  
Tel - 0049 228 882 339, Fax - 0049 228 882 444, E-mail - kluesener@daad.de

### Application form find under:

<http://www.daad.de/deutschland/foerderung/ausschreibungen/04698>.