

## **Job Summary:**

PhD Student Position: Laser Diode Development (m/f)

Location: Sacher Lasertechnik GmbH  
Rudolf-Breitscheid-Str. 1-5  
D-35037 Marburg / Lahn

Education Level: Master Degree in Electrical Engineering, Optical Engineering, or Physical Engineering is required

Employment Type: Full Time (40 hours per week), temporary for 3 years, an extension is possible

Career Stage : Early Stage Researcher with MSc Degree, opportunity for preparing a PhD thesis is offered

Travel Requirements: up to 10% of travel required

Job Description: Micro-Assembly of Functional Laser Diode Assemblies

Type of Industry: Optical Physics, Electrical Engineering

## **Job Description:**

Job Description: Sacher Lasertechnik GmbH offers within the BMBF Research Project PhotoBioSens a job opportunity for a highly motivated, quality conscious Researcher. The qualified candidate will work within our R&D team on the development of the design and the micro-assembly of a functional DFB laser source for spectroscopic and photoacoustic measurements. Responsibilities include

- DFB Laser Bar Testing
- CAD Layout of Functional Assemblies
- Micro-Assembly of Functional DFB Laser Assemblies
- System Level Testing of Spectroscopic Assemblies

The qualified candidate has strong technical and communication skills, and enjoys cooperating with our R&D team.

## Work Experience:

Experience within the field of DFB Lasers, Micro-Assembly, Die- and Wire-Bonding on a MSc level is preferred.

## Company Description:

Sacher Lasertechnik GmbH is a privately held, export oriented, fast growing business in the field of photonic technologies. It is specialized on tunable diode laser with external cavities for application in optical sensing technologies. Sacher Lasertechnik GmbH is located in Marburg within the high technology area Mittelhessen. The area is qualified by a strong university network, high living quality, short distances and a great activity potential.

## **Contact:**

Name: Dr. Joachim R. Sacher  
Business: Sacher Lasertechnik GmbH  
Address: Rudolf-Breitscheid-Str. 1-5  
D-35037 Marburg / Lahn  
Phone: +49 (6421) 305-0  
Fax: +49 (6421) 305-299  
Web: <http://www.sacher-laser.com/corporate.html>

Please send you application to [contact@sacher-laser.com](mailto:contact@sacher-laser.com)