

# PhD Position @ TU Berlin

A **fully funded PhD position (up to 5 years)** is immediately available in the **laser spectroscopy group** of **Otto Dopfer** at **Berlin Institute of Technology (TU Berlin)**, Germany.

The predominantly experimental research of our group involves the laser spectroscopic, mass spectrometric, and quantum chemical investigation of molecules, radicals, ions, clusters, and nanostructures in the gas phase, with strong relevance to a broad range of interdisciplinary topics ranging from materials science to biophysics, catalysis, astrochemistry, environmental chemistry, and plasma physics.

Available state-of-the-art equipment includes a variety of pulsed and tuneable IR and UV lasers, several ion sources and cryogenic rf-traps, as well as several types of tandem mass spectrometers.

Recent applications are documented in publications listed on our web site.

The group is also strongly involved in international collaborations with groups in Japan, France, Italy, Israel, UK, Netherlands, and is regular user of the IR free electron laser facilities CLIO (France) and FELIX (Netherlands).

**Highly qualified** candidates hold a **MSc or diploma** in Physics, Chemistry, or related fields.

**Initial experience** in several of the following fields is crucial:

- (1) laser spectroscopy
- (2) mass spectrometry
- (3) ion sources (EI, CI, MALDI, ESI)
- (4) ion traps
- (5) vacuum physics
- (6) molecular beams
- (7) cluster science
- (8) data acquisition
- (9) construction of apparatus
- (10) writing of publications, reports, and proposals
- (11) communication and presentation skills

Highly qualified candidates are encouraged to send their application to Prof. Otto Dopfer ([dopfer@physik.tu-berlin.de](mailto:dopfer@physik.tu-berlin.de)), including a cover letter, a CV (including a list of publications), BSc and MSc certificates and transcripts, a statement of qualifications relevant for the position (max. 1 page), a statement of research interests (max. 1 page) as well as names and complete addresses of two referees.

Evaluation of the applications will begin at **October 15 (2016)** and will continue until the position is filled.

Berlin is an international city and offers an exciting scientific and cultural environment.

For further information, please feel free to contact:

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