



MAX-PLANCK-GESELLSCHAFT

## **Ph.D position in Nanoscale Surface Chemistry Group**

### **Fritz-Haber Institute of the Max-Planck Society**

We're looking for a Ph.D candidate who is highly motivated to develop a novel field in nanoscale chemistry in the research group headed by Dr. Takashi Kumagai. Our group has studied single-molecule chemistry using state-of-the-art scanning probe microscopy (SPM)—one of the most important and powerful experimental tools in nanoscale science and technology.

A successful candidate will be given an opportunity to work with a newly developed low-temperature SPM combined with laser optics. The instrument will provide a novel approach to investigate surface photochemical processes *at the single-molecule level*. The scientific topic will focus on photo-induced hydrogen-atom transfer reactions and molecular switching on surfaces as well as single-molecule spectroscopy including tip-enhanced Raman and single-molecule photoluminescence spectroscopy. The candidate will obtain cutting-edge experiences in the field. Additionally, he/she will experience exciting and dynamic research activities in Fritz-Haber Institute as well as academic communities in Berlin.

#### **How to apply?**

Please send the following materials to [kuma@fhi-berlin.mpg.de](mailto:kuma@fhi-berlin.mpg.de)

- Your CV and university certificates with marks
- A motivation letter (max. 1 page) why you want to join the group

Please find more information in our homepage:

<http://www.fhi-berlin.mpg.de/pc/kumagai/welcome.html>

If you have any further question, please feel free to contact.

Takashi Kumagai