

**Announcement & Invitation**

## **Lecture on**

# **Molecular Nanostructures**

**Dr. Alexey Popov/Dr. Joseph Dufouleur/  
Dr. Thomas Mühl/Dr. Arindam Samanta  
Prof. Bernd Büchner**

**WHERE? IFW Dresden, Helmholtzstr. 20  
room number B3E.26**

**WHEN? Monday, 2. DS (9:20 - 10:50)  
First Lecture: April 13, 2026  
Registration during the first lecture**

**WHO? Students of Nanobiophysics, Molecular Bioengineering,  
Physics (main course), Materials Science, PhD students**

*The lecture will be given in English.*

### **Topics:**

- **High resolution microscopy (TEM, STM...)**
- **Chemical bonds in molecular nanostructures**
- **Synthesis and functionalisation of molecular nanostructures**
- **Physical properties and applications of molecular nanostructures**
- **Molecular magnetism**
- **Transport properties of graphene**

