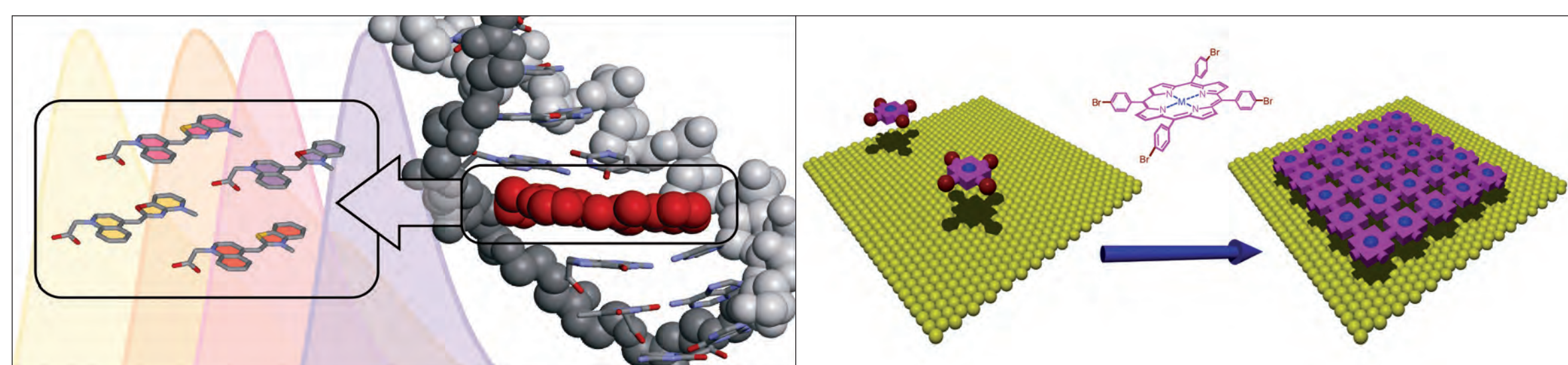


# Department of Chemistry

Emil Fischer-Haus · Brook-Taylor-Str. 2 · 12489 Berlin · Germany

## Scientific Profile

- **Functional Materials and Catalysis:** Optical Materials and Photochemistry, Sol-Gel Synthesis to Nanomaterials, Polymer Synthesis, Clusters and Surfaces, Catalysis  
Abraham, Bonačić-Koutecký, Braun, Ernsting, Hecht, Kemnitz, Kneipp, Liebscher, Limberg, Mahrwald, Nehls, Rademann, Rettig, Sauer



- **Chemical Biology:** Nucleic Acids, Proteins, Lipids, Biopolymer Hybrids, Molecular Diagnostics, fs-Molecular Dynamics, Protein-Nucleic Acid-, Protein-Protein- and Protein-Lipid Interactions  
Arenz, Ernsting, Liebscher, Linscheid, Panne, Rettig, Seitz



- **Chemistry Education:**  
Empirical Analysis of teaching/learning processes  
Tiemann

## Collaborative Research Initiatives

- Cluster of Excellence: Unifying concepts in catalysis (Coordinator of Area A: Bridging the materials gap in complex catalysis)
- EU-Project FUNFLUOS (Coordinator)
- EU-Project SurConFold (Coordinator)
- EU-Project MOFCAT
- Collaborative Research Centers:  
SFB 546, Metal oxide aggregates (Coordinator)  
SFB 450, fs-Dynamics  
SFB 658, Molecular switches  
SFB 765, Multivalence
- GRK 1025 Research School: Spin- and Optoelectronics
- SPP 1179 Organocatalysis
- German Israeli Foundation GIF

## Joint Appointments – Honorary Professors

Bienert (FMP)  
Freund (FHI)  
Nehls (BAM)  
Panne (BAM)  
Schlögl (FHI)  
Sauer (External member of MPG)

## Special Support for Young People

- Chemical Society for Pupils
- Annual Interviews of Student applicants (253)
- Introduction for Freshmen Chemists (180)
- Summer School for Environmental Chemistry

## Cooperations

- Departments of the Sciences of HU, TU, FU
- Federal Institute for Materials Research and Testing (BAM)
- Helmholtz Centre Berlin for Materials and Energy (HZB)
- Leibniz Institute for Crystal Growth (IKZ)
- Fritz-Haber-Institute of the MPG (FHI)
- Max-Born-Institute (MBI)
- Charité
- Robert-Koch-Institute (RKI)
- Max-Delbrück-Center (MDC)
- Federal Institute of Risk Assessment (BFR)
- Leibniz Institute for Catalysis (LIKAT)
- Leibniz Institute for Molecular Pharmacology (FMP)

## Facts

- Students (Winter Semester 2006/2007): 732 + ERASMUS-Students (4)
- Programmes of Study/Degree/Students  
Chemistry/Diploma/421  
Kombibachelor/110  
Chemistry Teacher/55  
Chemistry (2<sup>nd</sup>)/146
- 14 regular Professors and  
2 Juniorprofessors  
2 Professorships (BAM)
- Third party funding for 2007: 2.6 Mio. €
- Number of patents 2002 – 2007: 20



[www.chemie.hu-berlin.de](http://www.chemie.hu-berlin.de)

