

# TCD Biochemical Society

**Presents: Professor Peter Gmeiner, PhD**

Friedrich-Alexander University Erlangen-Nürnberg

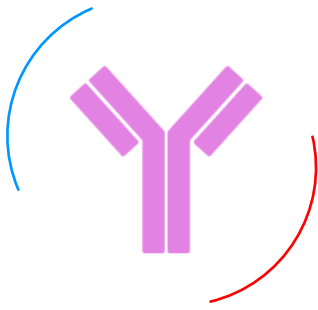
Department of Chemistry and Pharmacy



## **“Structure-guided development of selective GPCR ligands”**

### **Research Highlights:**

- Interactive SAR Studies: Rational Discovery of Super-Potent and Highly Selective Dopamine D3 Receptor Antagonists and Partial Agonists.  
*Journal of Medicinal Chemistry, 2002*
- Click Linker: Efficient and High-Yielding Synthesis of a New Family of SPOS Resins by 1,3-Dipolar Cycloaddition.  
*Journal of Medicinal Chemistry, 2003*
- Fancy Bioisosteres: Metallocene-Derived G-Protein-Coupled Receptor Ligands with Subnanomolar Binding Affinity and Novel Selectivity Profiles.  
*Journal of Medicinal Chemistry, 2005*
- Structure and function of an irreversible agonist- $\beta$ 2 adrenoceptor complex.  
*Nature, 2011*



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## **“Structure-guided development of selective GPCR ligands”**

**Thursday 7<sup>th</sup> November**  
**FRED**  
**Level 5, TBSI**

Tea, coffee and sandwiches  
served from 12:45 in 6.07

