



PhD Course

GPCR STRUCTURE – FUNCTION: SUITABLE METHODS AND TOOLS

Course Lecturers

Nobel Laureate **Brian Kobilka** (Stanford University), **Annette Beck-Sickinger** (Leipzig University), **Karen Martinez** (UCPH), **Martin Gustavsson** (UCPH), **Trond Ulven** (UCPH), **Signe Mathiasen** (UCPH) and **Henriette Autzen** (UCPH), and **Mette Rosenkilde** (UCPH).

Course Description

The course will give an overview of current knowledge about GPCR structure and function in five key areas:

- GPCR signaling today
- GPCR function in cells: from investigations with cell-based assays in bulk to single molecule studies
- GPCR biochemistry: from heterologous expression to GPCR reconstitution in artificial systems
- GPCR structure at the molecular level: Xray crystallography and CryoEM
- New molecules for GPCRs: ligands and biosensors

The course will include:

- Plenary lectures
- ‘Meet the Pharma’ workshop
- One-day symposium with international guest speakers
- Virtual Reality Workshop “Dive into a GPCR”



2/06 to 4/06
and 10/06 - 11/06



2.5 ECTS



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Registration deadline: 30/4/2025

<https://phdcourses.ku.dk/DetailKursus.aspx?id=112269&sitepath=NAT>



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