



### PhD Position in GPCR Biophysics

The **Molecular Biophysics Group**, led by Prof. Georg Krainer at the Institute of Molecular Biosciences (IMB), is seeking a highly motivated and talented **PhD candidate** to join our interdisciplinary research group at the University of Graz, Austria.

#### About the Position:

This role focuses on investigating **GPCR signaling at the single-molecule level**, integrating **biochemical, biophysical, and single-molecule approaches**. The main areas of research include:

- **Expression and purification of GPCRs** in yeast, insect, and mammalian cells
- **Reconstitution of GPCRs** into nanodiscs/liposomes, followed by functional characterization
- **Single-molecule studies of GPCRs** using confocal microscopy and TIRF
- **Data analysis** to characterize GPCR dynamics and interactions

#### Who Should Apply:

Candidates should have (or be near completion of) a **Master's degree in Biophysics, Biochemistry, Molecular Biology, Structural Biology, or a related field**, ideally with experience in:

- **Single-molecule fluorescence approaches** (single-molecule FRET)
- **Protein expression and purification**
- **Data analysis and programming**

#### What We Offer:

- **3-year fixed-term contract** (with the possibility of extension, 75% FTE, ca. 40,000 € gross/year)
- **State-of-the-art facilities** for single-molecule research, protein biochemistry and biophysics
- **Collaborative research environment**

#### How to Apply:

Send a **single PDF** to [georg.krainer@uni-graz.at](mailto:georg.krainer@uni-graz.at), including:

1. **Cover letter** (research interests & expertise)
2. **CV & publication record**
3. **Contact info for 2–3 references**

Applications are reviewed **on a rolling basis** until the position is filled.

**Start Date:** As soon as possible or upon mutual agreement.

**Research Environment:** The **University of Graz** is one of Austria's largest academic institutions, fostering a collaborative and innovative research environment. Situated in the vibrant city of Graz, the **Institute of Molecular Biosciences (IMB)** provides cutting-edge infrastructure for interdisciplinary research at the interface of biophysics, biochemistry, and molecular biology. **Our motto: We work for tomorrow.**

