Postdoctoral Research Position in GPCR Biochemistry & Biophysics (ERC-Funded)

The **Molecular Biophysics Group** at the **University of Graz**, led by Dr. Georg Krainer, is seeking a highly motivated **Postdoctoral Researcher** to join the **ERC-funded project** "SignAlloMod: Decoding the Molecular Logic of G Protein-Coupled Receptor (GPCR) Signaling".

About the Position:

This role focuses on **GPCR structure, dynamics, and interactions** at the **single-molecule level**, combining **biochemical, biophysical, and microfluidic approaches**. Key tasks include:

- **Expression & purification** of GPCRs in insect/mammalian cells
- **Reconstitution in nanodiscs/liposomes** & functional characterization
- **Development of single-molecule assays** to study GPCR signaling mechanisms

Who Should Apply:

Candidates must have a **Ph.D. in Biochemistry, Biophysics, Structural Biology, or a related field**, with expertise in:

- **GPCR biochemistry & membrane protein purification** including protein expression in insect & mammalian systems
- Experience in **fluorescence spectroscopy, single-molecule methods, membrane protein reconstitution, or ligand-binding studies** is desirable.

What We Offer:

- **2-year fixed-term contract** (100% FTE, approx. 69,000 € gross/year), with the possibility of extension based on project progress
- **State-of-the-art facilities** for protein purification & single-molecule research
- Collaborative research environment & career development opportunities

How to Apply:

Send a **single PDF** to **georg.krainer@uni-graz.at**, including:

1. **Cover letter** (research interests & relevant expertise)
2. **CV & publication list**
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.