



## Post-doctoral researcher - Supramolecular control of phase separation of intrinsically disordered proteins

The 2-year postdoctoral position is available and financed by the University of Strasbourg Institute for Advanced Studies (USIAS). The goal of the project is to develop approaches for supramolecular control of intracellular phase separation mediated by repeat (Pro-Arg)<sub>n</sub> polypeptides. More information is available via link:

<https://www.usias.fr/en/fellows/2023-fellows/vladimir-torbeev/>.

### Qualifications – How to apply

We are searching for a highly motivated candidate skilled in peptide synthesis with excellent communication and writing skills. Preference will be given to recently graduated candidates experienced in peptide and protein chemistry. Fluency in English (spoken and written) is required. The researcher will be responsible for the analysis of data, preparation of the reports and drafting the manuscripts. High autonomy, collaboration spirit and enthusiasm are expected. Most importantly, candidates should be curious and ambitious.

To apply, please send a letter containing a statement of interest, CV and the names of two mentors for recommendation letters to [torbeev@unistra.fr](mailto:torbeev@unistra.fr).

Net salary will be 2270 Euro/month. The accepted candidate will have a label “USIAS postdoctoral fellow” and will have their profile posted on the USIAS web-site.

Anticipated starting date: November 2023

### Work environment

The project will be conducted in the Biosystems Chemistry group within the interdisciplinary unit UMR 7242 « Biotechnology and Cellular Signalling » directed by CNRS and the University of Strasbourg and located at the Biotechnology School at the Illkirch campus (<https://esbs.unistra.fr/en/>). The research department is composed of 9 research groups working on different topics such as integrity of the genome and membrane signalling. The research approaches combine functional genomics and chemical biology. The research in our team focuses on the application of chemical protein synthesis to solve complex problems in protein science. The necessary facilities for conducting the work will be provided such as chemical synthesis of peptides by solid-phase synthesis, characterization by HPLC and mass-spectrometry, as well as state-of-the-art NMR spectroscopy. Currently, our team is composed of 1 postdoctoral researcher and 5 PhD students. In addition, the sub-team of Dr. Guy Zuber (DR CNRS) specializing in intracellular delivery of biomolecules is affiliated with our team. For more information, please, see web-site: <https://torbeevlab.com>.