



Contribution ID: 32

Type: **Talk**

## **POU5F1B and GOLPH3, two challenging proteins in structural biology**

*Tuesday, February 13, 2024 4:45 PM (25 minutes)*

During this seminar, two experimental structural biology projects will be discussed illustrating current challenges and limitations in the field. The first will show how sequence identity may fail in predicting the protein structure and function. The second deals with investigating protein-protein interactions experimentally with the aim of creating small molecule inhibitors that block such interaction. Our results from biophysical experiments (CD and ITC) as well as NMR will be presented and discussed.

### **Submitting to:**

Integrative Computational Biology workshop

**Primary authors:** Ms THEODOROPOULOU, Anastasia (EPFL); Prof. TRONO, Didier (EPFL); Prof. D'ANGELO, Giovanni (EPFL); Dr SIMO, Laia (EPFL); Dr ABRIATA, Luciano (EPFL); Dr MARCAIDA, Maria (EPFL); Prof. DAL PERARO, Matteo (EPFL)

**Presenter:** Dr MARCAIDA, Maria (EPFL)

**Session Classification:** Protein conformational flexibility and solution experiments