Introduction to Containers and Snakemake

Organizers/teachers

- **Patricia Palagi:** Coordination
- **Antonin Thiébaut**: Data Scientist / Project Manager at CHUV
- **Geert van Geest:** trainer at SIB/bioinformatician at IBU Bern

Learning outcomes

- Understand the basic **concepts** and **terminology** associated with virtualization with **containers**

- **Customize**, **store**, **manage** and **share** containerized environments with **Docker**

- Use **Singularity** to run containers on a shared computer environment (e.g. a HPC cluster)

- Understand the basic **concepts** and **terminology** associated with **workflow management systems**

- Create a computational **workflow** that uses **containers** with **Snakemake**

Learning experiences

- Lectures
- Poll questions
- Exercises

Question 1-4

Communication

- Course website:

https://sib-swiss.github.io/containers-snakemake-training/

- Shared doc

Introduction round

- Current job/study
- Why you are joining this course