

NextFlow Workshop

September 20th & 21st, 2021

University of Pavia

Rooms A4 and C3 Engineering
a Zoom link will also be provided

Day 1 - Room A4

Session 0 - Set you up

9:15 - 9:45	Set-up check and installations helpdesk
9:45 - 10:00	Welcome & introduction

Session 1 - Setting the scene

10:00 - 10:15	Github and version control
10:15 - 10:45	Container technologies: Docker and Singularity
10:45 - 11:30	Exercise: your first container

11:30 - 11:40	Energy Break
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Session 2 - NextFlow Basics

11:40 - 11:55	What is NextFlow and why?
11:55 - 12:25	Channels & Processes
12:25 - 13:10	Exercise: your first script

13:10 - 14:15	Lunch Break
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Session 3 - NextFlow Modules

14:15 - 14:30	DSL2 NextFlow
14:30 - 14:45	DSL2 Modules How-to
14:45 - 15:45	Exercise: your first modules

15:45 - 16:00	Energy Break
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Session 4 - Case Studies

15:30 - 16:15	Writing a SARS-CoV-2 pipeline
16:15 - 17:00	Implementing a Computational Cardiology pipeline
17:00 - 17:00	Q&A and collaborations

Day 2 - Room C3

Session 5 - Write your own pipeline

10:00 - 10:15	Organisation of the day
10:15 - 11:00	Preparing test data
11:00 - 12:00	Coding or re-using your DSL2 modules
12:00 - 13:00	Wrapping up your pipeline
13:00 - 13:15	Conclusions

Organisers:

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