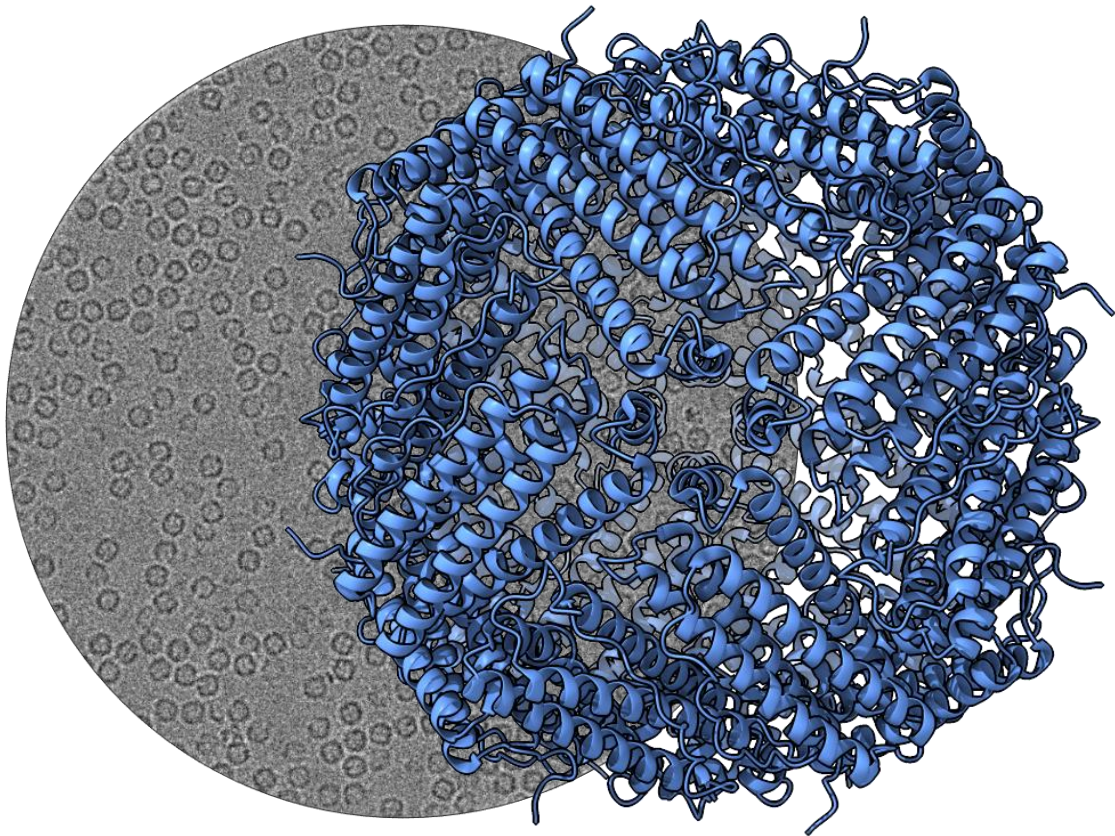


PASTEUR COURSE

CRYO-EM SINGLE PARTICLE IMAGING



PROGRAM
FROM 30 MAY TO 3 JUNE, 2022

CRYO-EM COURSE:

SINGLE PARTICLE IMAGING

2021-2022

MAY 30 - JUNE 3, 2022

DIRECTORS OF THE COURSE

MATTHIJN VOS

INSTITUT PASTEUR

NANOIMAGING TECHNOLOGY PLATFORM

✉: matthijn.vos@pasteur.fr

HEAD OF PRACTICALS

EDUARD BAQUERO-SALAZAR

INSTITUT PASTEUR

NANOIMAGING TECHNOLOGY PLATFORM

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COURSE LOCATION

INSTITUT PASTEUR

28 RUE DU DOCTEUR ROUX

75015 PARIS

PAVILLON LOUIS MARTIN - ROOM N°1

DAY 1

Monday 30 May

9:30 - 10:00	Welcome	
10:00 - 10:30	Course overview. Student introduction	Carlos Oscar SORZANO
10:30 - 12:30	Movie alignment	with assistance of other instructors
12:30 - 14:00	Lunch break	
14:00 - 17:00	CTF correction and micrograph screening	

DAY 2

Tuesday 31 May

9:30 - 12:30	Particle picking and 2D classification	Carlos Oscar SORZANO
		with assistance of other instructors
12:30 - 14:00	Lunch break	
14:00 - 17:00	Ab initio reconstruction	

DAY 3

Wednesday 1 June

9:30 - 12:30	Volume refinement	Carlos Oscar SORZANO
		with assistance of other instructors
12:30 - 14:00	Lunch break	
14:00 - 17:00	3D classification	

DAY 4

Thursday 2 June

9:30 - 12:30	Practical SPA workflow	All instructors
12:30 - 14:00	Lunch break	
14:00 - 17:00	Practical SPA workflow	

DAY 5

Friday 3 June

9:30 - 11:00	Practical SPA workflow	All instructors
11:00 - 12:30	Lecture: Data and Model validation	Jose Maria CARAZO
12:30 - 14:00	Lunch break	
14:00 - 15:30	Seminar: Cryo EM and its amazing power analyzing the continuous flexibility of macromolecules	Jose Maria CARAZO
15:30 - 17:00	General discussion and questions	