FloCEN: the Cryo-EM facility in Florence

Dr. Annalisa Guerri

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University of Florence

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ECM34
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26-30 August

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ECCELLENZA 2023-27

FloCEN (Florence Center for Electron Nanoscopy)
Opened in 2020
(Dipartimento di Eccellenza 2018-2022)

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- Sample preparation laboratory
  - PELCO EasiGLOW ™ Glow Discharge cleaning system
  - ThermoScientific ™ VitRobot Mark IV
- CryoTEM
  - ThermoFisher Glacios 200 KeV
  - Autoloader
- "Server Farm"
  - 2 GPUs machine to check the collection on the fly
  - 8 GPUs machine for images analysis
  - Storage Space (8 x 12 TB)

• Sample preparation laboratory

Preparation bench

VitRobot

Dry air unit

Storage dewar

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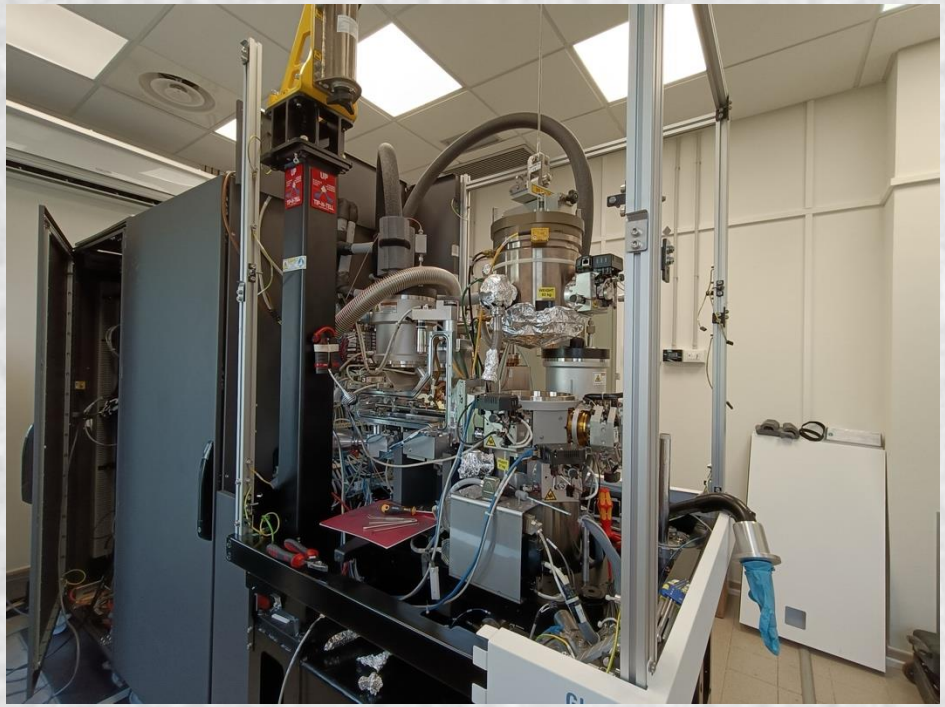
Microscope room



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Control room

Server

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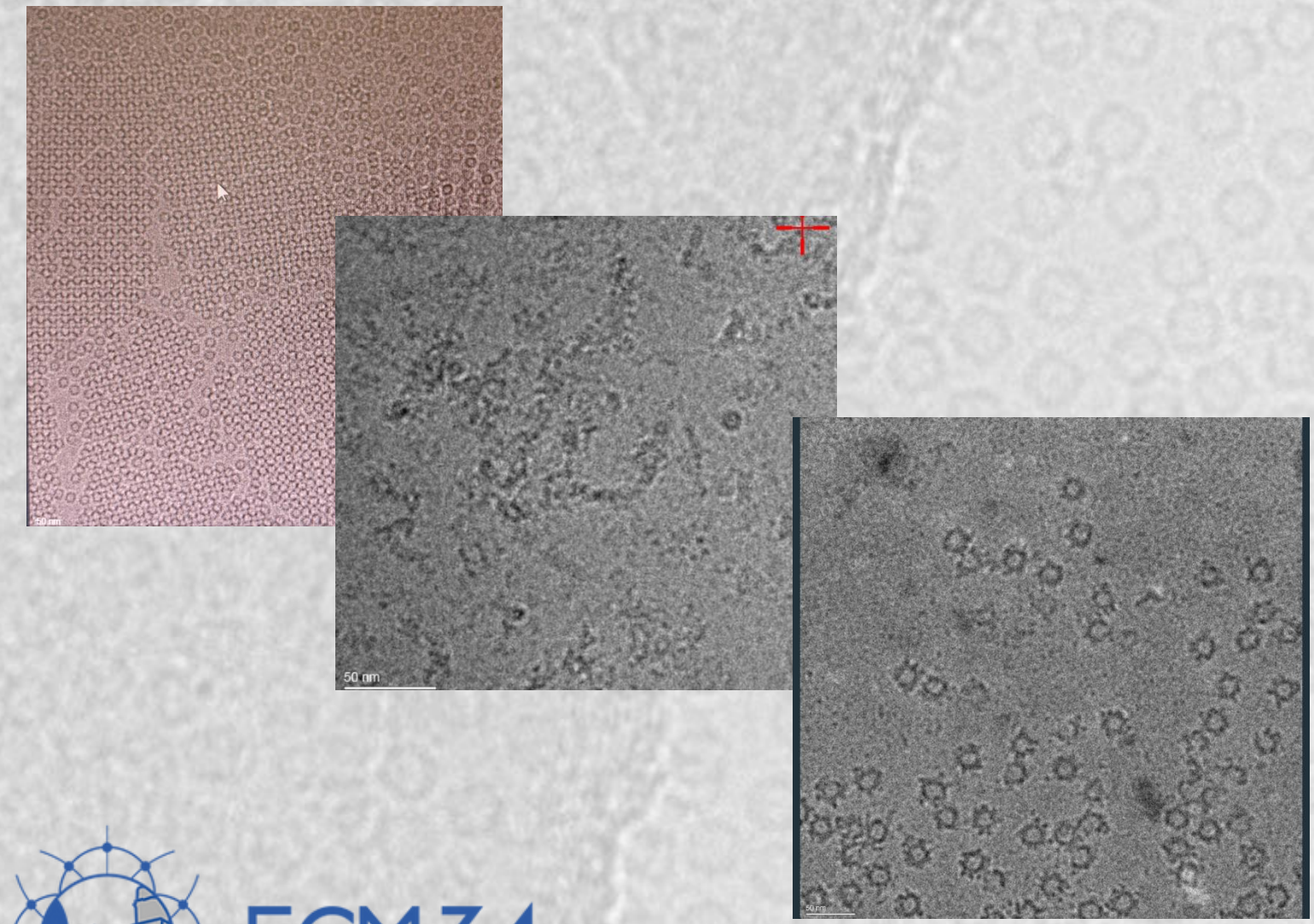
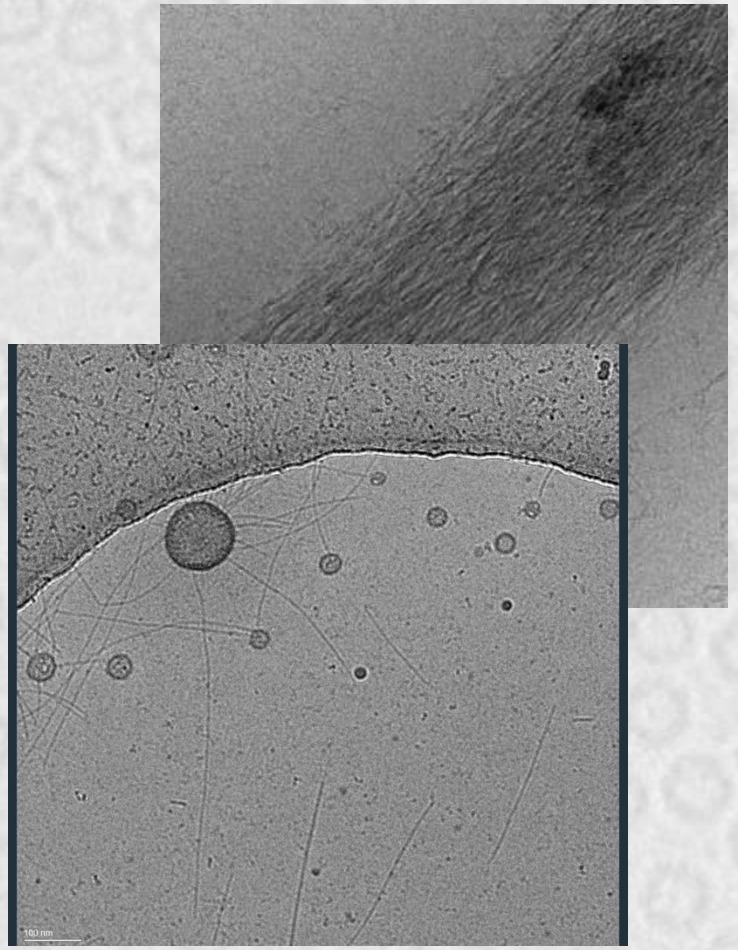
Same examples of the samples collected





www.flocen.unifi.it

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home page

Transmission Electron cryo-Microscope (Cryo-TEM)
Low humidity room
Plunge freezer
Glow Discharge cleaning system
Electromagnetic shielding system

Home page > Instrumentation > Transmission Electron cryo-Microscope (Cryo-TEM)

Transmission Electron cryo-Microscope (Cryo-TEM)

Thermo Scientific™ Glacios™

- X-FEG high-brightness gun 200 keV
- Autoloader 12 grids
- C-Twin pole piece
- Volta Phase Plate
- FEI Falcon 3 Electron Counting DED
- FEI Ceta-D camera
- EPU, EPU-D, and Tomo4

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Home page > Beamtime > Fees

Fees

Prices are in EUR.

Users	Daily *(24h)*			Package 5 meas/year	Package 10 meas/year
DICUS and University of Florence	530		-	2000	3500
Instruct-ITALIA	530		-	2000	3500

Tariff comprises vitrification, screening, and (potential) data collection (till 9:00am on next day). In case data collection held out for more than one day, the tariff *Daily (24h)* will be applied on the days other than the first one.
The packages are valid for the whole year (Jan to Dec). If the measures are not performed in these time span, they can't be postponed to the next year unless differently agreed.

Users	Daily *(24h)*		Screening only *(from 9am till 4pm - no overnight collection)*	Package 5 meas/year	Package 10 meas/year
Academia, CNR, no profit organizations	2500		1000	2800	3750
Industry	3500		1400	3750	7000

The packages are valid for the whole year (Jan to Dec). If the measures are not performed in these time span, they can't be postponed to the next year unless differently agreed.
Please contact us in case of different requests.

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The present fee plan has been approved by the *Council of Chemistry Department* on 21st February 2024.

ultimo aggiornamento: 28-Feb-2024

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Home page > Beamtime > Apply for beamtime

Apply for beamtime

Should you wish to use our microscope, please complete the corresponding form

- Structural Biology
- Structure of Materials

and return it as PDF to cryo-tem@flocen.unifi.it with subject ***Application for cryo-EM beamtime***

Applications are evaluated at the latest by one month after the date of receipt.

ultimo aggiornamento: 16-Feb-2021

Condividi su

news | avvisi

lectron Nanoscopy
rsità degli Studi di Firenze - p.iva | cod.fiscale 01279680480
sito | Note legali | Privacy policy | Amministrazione trasparente | Accessibilità | Monitoraggio | Area riservata personale
Schiff - DICUS - Via della Lastruccia, 13 - 50019 Sesto Fiorentino (FI) - Tel: +39 055 4573007 - Fax: +39 055 4574913
- posta certificata chim(AT)pec.unifi.it
Comunicazione - piattaforma tecnologica: SIAF - cms: MaxDev | Login redazione

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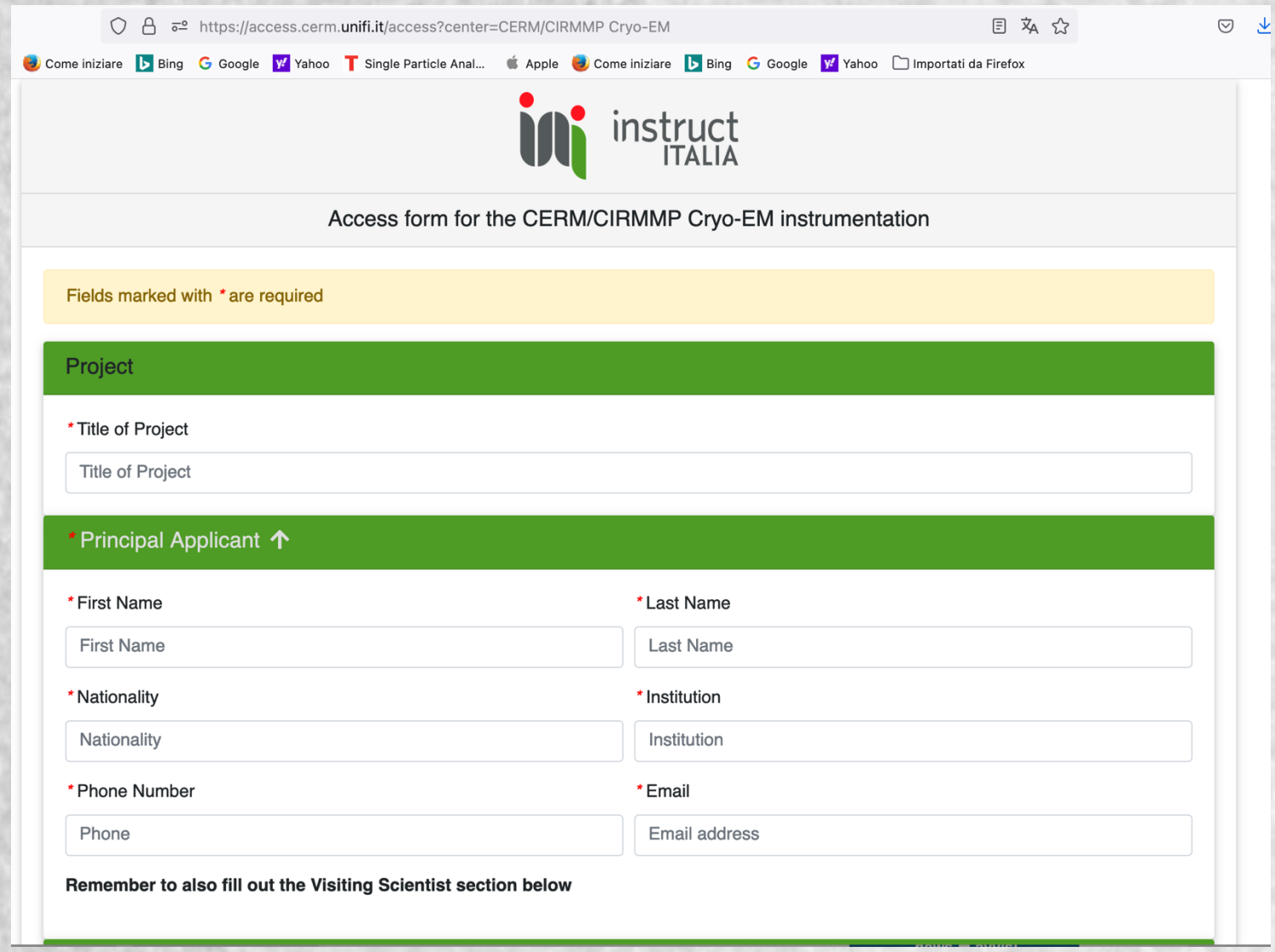

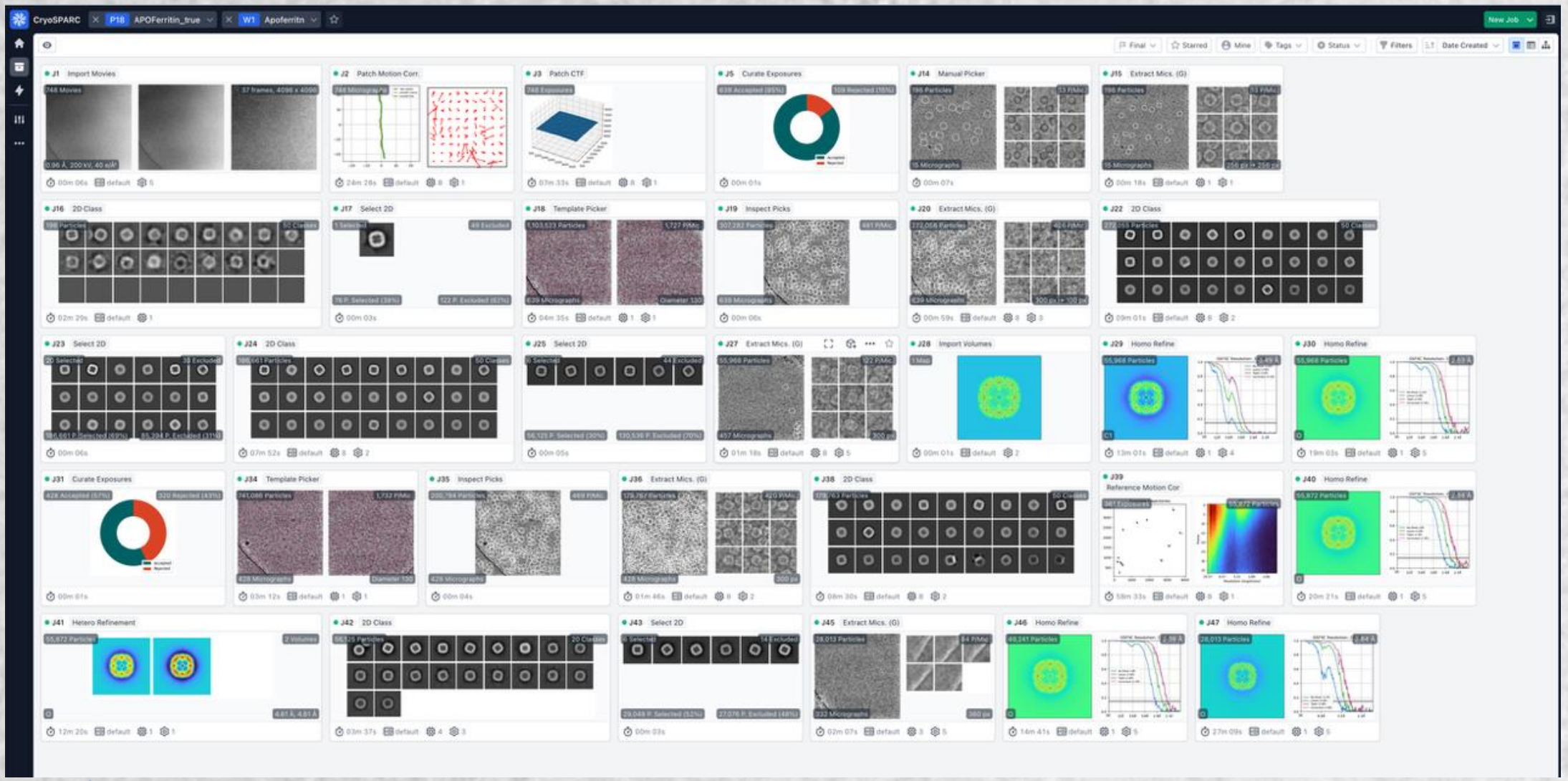

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Thank you

FloCEN

Florence Center for Electron Nanoscopy

Laboratorio di Microscopia Elettronica Criogenica

MINISTERO DELL'ISTRUZIONE, DELL'UNIVERSITÀ E DELLA RICERCA

instruct ERIC

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