

Satellite WORKSHOP
ON HEALTH DATA PLATFORMS
FOR AI-DRIVEN DISCOVERY

16th April 2024

AND

ALL HANDS NODES MEETING

17th-19th April 2024

Torino - Palazzo Ceriana Mayneri, Corso Stati Uniti 27



The All Hands Nodes meeting 2024 will take place from April 16th to 19th in Turin. During the satellite workshop on April 16th, the Nodes will have opportunities to present and learn about the latest developments in Health Data Platforms. The All Hands meeting will start on the 17th with a joint event with the Euro-BioImaging Industry Board, including dedicated sessions on correlative imaging, disease models and multidimensional imaging. The 18th and 19th of April will be dedicated to Nodes staff, with additional scientific sessions on open topics and plenty of opportunities for discussion and networking.

Tuesday, 16th April 2024

Satellite event

“Workshop on Health Data platforms for AI-driven discovery”

Zoom link for remote attendees: <https://utu.zoom.us/j/64209982174>

Meeting ID: 642 0998 2174

12.30 – 13.30	<i>Light lunch and registration</i>
13.30 – 14.00	Welcome and Introduction from Euro-BioImaging ERIC John Eriksson, Director General; Antje Keppler, Section Director Bio-Hub; Linda Chaabane, Section Director Med-Hub
14.00 - 14.30	EU Digital Transformation Aleksandra Wesolowska, European Commission, Programme Officer – EU Policies, CNECT.H3 – eHealth, Well-Being and Ageing (Remote speaker)
14.30 – 15.00	EUCAIM, The European Federation for Cancer Images Dr. Irene Marín - La Fe Polytechnic and University Hospital of Valencia
15.00 – 15.30	Innovative Health Initiative (IHI) project: BIG-PICTURE, a large-scale repository for Pathology images and AI algorithms Prof. Jeroen van der Laak - Radboud University Nijmegen Medical Center
15.30 – 16.30	<i>Coffee break & networking</i>
16.30 – 17.00	A Digital Human Twin framework to enable personalised healthcare services Dr. Alessandro Maiocchi, Innovation Hub - Bracco SpA
17.00 – 17.30	AI4Life: Reproducibility and Accessibility in BioImage Analysis Dr. Joran Deschamps, Human Technopole
17.30 – 18.00	foundingGIDE: Community coordination efforts towards global image data sharing Dr. Aastha Mathur, Euro-BioImaging Hub
18.00 - 18.15	Closing

Wednesday, 17th April 2024:
ALL HANDS NODES MEETING - EBIB & NODES Workshop
“Imaging services for Discovery and Translational Research”

Zoom link for remote attendees: <https://utu.zoom.us/j/62721847172>

Meeting ID: 627 2184 7172

8.30-9.30	<i>EBIB meeting (only for EBIB members)</i>
9.00-9.30	<i>Registration</i>
9.30 – 9.45	Welcome from Euro-BioImaging Industry Board (EBIB)
9.45 - 10.30	Scientific session I: Imaging across scales and modalities <ul style="list-style-type: none"> - Rupert Ecker, TissueGnostics - “Tissue Image Cytometry: Cellular Phenotypes in Spatial Context” (Remote speaker) - Peter Zehetmayer, Telight - “Revolutionizing Translational Research Through Quantitative Phase Imaging in Label-Free Microscopy” - Aisha Sivakumar, Andor Technology - “Imaging Across Scales and Modalities with the Dragonfly600”
10.30 - 11:30	<i>Coffee Break</i>
11:30 - 12.30	Scientific session I: Imaging across scales and modalities <ul style="list-style-type: none"> - Laura Carolina Zanetti-Domingues, UK BioImaging: “Towards Quantitative Super-Resolution Methods for Cryo-CLEM” - Alessandro Ciccarelli, UK BioImaging: “Challenges and solutions for mesoscopic imaging of biological samples” - Timo Zimmerman, EMBL: “Open access to cutting-edge electron and light microscopy” - Philippe Le Coustumer, France BioImaging “Multidimensional imaging of Bio/Inorganic samples combining HRSTEM/X- EDS, SBF-SEM, NanoSIMS, μ-CT, APT and GD-OES”
12.30 - 14.00	<i>Buffet Lunch & Networking</i>

14.00 – 14.15	Scientific session I: Imaging across scales and modalities <ul style="list-style-type: none"> - Sven Terclavers, ZEISS Microscopy - “Dynamics in Life: the ZEISS Lattice SIM family for Super-resolution across scales”
14.15 - 15.15	Scientific session II: Screening and working with disease models <ul style="list-style-type: none"> - Jochen Sieber, Leica - “New TauSTED tools for gentle live imaging at remarkable nanoscale” - Dieter Fuchs, Fujifilm VisualSonics - “Assessing therapeutic response in the living animal” - Adam Horvath, Cellular Imaging Hungary: “Impact of in vivo imaging techniques to evaluate the effects of a novel multi-target drug candidate in a mouse osteoarthritis model” - Stefania Marcotti, UK BioImaging: “Fluorescence-lifetime imaging microscopy (FLIM) at the UK node: from acquisition to quantitative analysis”
15.15 - 16.00	Keynote talk: Prof. Enzo Medico, Candiolo Cancer Institute IRCCS and EurOPDX, “Patient-derived xenografts as model systems for human cancer: from bedside to bench, and back”
16.00-16.15	Discussion and wrap-up
16:15- 17.00	Preamble to Nodes’ updates and scientific sessions III and IV <ul style="list-style-type: none"> - Gert-Jan Kremers, Erasmus MC OIC – ALM Rotterdam Node: “Simulator of a Confocal in FIJI (SCiF)” - Alessandra Toncelli, MultiModal Molecular Imaging Italian Node: “TeraHertz Plant Imaging” - Dominik Pinkas, ALM & EM Node Prague: “EDS in biological transmission electron microscopy”
17.00	<i>Final Coffee and networking</i>
19.30	<i>Dinner (kindly offered by EBIB)</i> <i>La Badessa Restaurant, Piazza Carlo Emanuele II, 17</i> 

Thursday 18th April:

ALL HANDS NODES MEETING - Day 1

Zoom link for remote attendees: <https://utu.zoom.us/j/69872972079>

Meeting ID: 698 7297 2079

9.00 – 9.15	Welcome from the Chairs of the Panel of Nodes
9.15 – 10.30	Updates from the Nodes <ul style="list-style-type: none"> - Pablo Loza, Super Resolution Node Barcelona: “Updates in the Super resolution light microscopy and nanoscopy facility at ICFO” - Pedro Mallol, Population Imaging Node Valencia: “GIBI230 New node” - Ilva Van Houwelingen, Population Imaging Node Rotterdam: “The Erasmus MC Imaging Office” - Giuliana Tromba, Phase Contrast Imaging Node Trieste: “The SYRMEP beamline at Elettra: present status and prospects” - Nicola D’Ascenzo, DIMP-Neuromed: “Portable digital Positron Emission Tomography: from bed to head, from lab to field”
10.30 – 11.00	<i>Coffee break</i>
11.00 - 12.00	Scientific session III <ul style="list-style-type: none"> - Veikko Jousmaki, Finnish Biomedical Imaging Node: “Magnetoencephalography – noninvasive method to track down cortical electrophysiological signals” - Lubomír Vojtíšek, ALM and Medical Imaging Node Brno: “Long Term Neural Implication of COVID-19: Preliminary results” - Aleš Benda, ALM and EM Node Prague CZ: “Enhancing FLIM Data Analysis Through Deep Learning” - Rumen Stamatov, Sofia Biolmaging Node: “Segmentation and tracking of mitotic chromosomes”

12.00 – 13.00	Scientific session IV <ul style="list-style-type: none"> - Eija Jokitalo, Finnish Advanced Microscopy Node: “Sharing volumeEM datasets for reuse” - Sebastian Munck, Flanders BioImaging: “What we can learn from deep space communication for reproducible bioimaging and data analysis” - Bálint Botz, Medical & Preclinical Imaging Hungarian Node: “The clinical utility of contrast enhanced ultrasound and microvascular flow imaging in the characterization of complex cystic renal lesions” - Samo Hudoklin, SiMBION: “Urinary bladder epithelium - imaging approaches at Institute of Cell Biology, SiMBION”
13.00 – 14.30	<i>Buffet Lunch & Networking</i>
14.30 - 15.00	Updates from Euro-BioImaging - presentation by the Hub
15.00 - 15.45	EVOLVE and plans for the Nodes in EVOLVE - presentation by the Hub
15.45 - 16.30	Discussion on EVOLVE plans and priorities
16.30 - 17.00	<i>Coffee break</i>
17.00 - 17.30	Increasing and supporting commercial user access Claudia Pfander – Euro-BioImaging Industry Board coordinator
17.30 - 17.45	Conclusion
17.45 - 18.30	<i>Aperitivo</i>
19.30	<i>Social Pizza</i> <i>Pizzeria Fratelli Milù, Corso Siccardi 15</i>

Friday 19th April:
ALL HANDS NODES MEETING - Day 2

9.00 – 9.15	Introduction by the Chairs of the panel of Nodes
9.15 – 10.30	Breakout sessions: <ol style="list-style-type: none"> 1) Training and cross-Nodes Job Shadowing 2) Communication and outreach 3) FAIR image data stewardship and new data services
10.30 - 11.30	<i>Coffee break and networking</i>
11.30 - 12.30	Wrap up from breakout sessions
12.30 - 14.00	<i>Lunch</i>

POSTERS

- Martin Capek, ALM and EM Node Prague: "Using Deep Learning Techniques in Daily Image Processing at Light Microscopy Facility"
- Christopher Cawthorne, Flanders BioImaging: "Translational PET Imaging Biomarkers of CNS disease and therapy development at Flanders Bioimaging"
- Christopher Cawthorne, Flanders BioImaging: "Multimodal imaging for radiotherapy studies"
- Sonya Uzunova, Sofia BioImaging Node: "Studying DNA-protein crosslink (DPC) repair protein kinetics via live-cell microscopy and machine learning approaches"
- Giacomo Mazzamuto, Advanced Light Microscopy Italian Node: "High-resolution brain mapping with Light-Sheet Microscopy"
- Marianna Childress Poli & Laurent Chmiel, Euro-BioImaging Hub: "Communication best practises"
- Claudia Pfander, EBIB Coordinator: "Industry engagement"
- Aastha Mathur, Euro-BioImaging Hub: "General data services"
- Aastha Mathur, Euro-BioImaging Hub: "FAIRdata and technical tools"
- Ayoub Elghadraoui, Euro-BioImaging Hub: "Ongoing INFRATECH and INFRADEV projects"
- Rakesh Mahato, Euro-BioImaging Hub, Euro-BioImaging Hub: "The Euro-BioImaging Web Portal"

Practical information

How to reach the meeting venue

Palazzo Ceriana Mayneri

Corso Stati Uniti 27 – 45.06298279126947, 7.669535356573571

Palazzo Ceriana Mayneri can be easily reached by foot in about 10 minutes from the central train station of Porta Nuova. Scan the QR code to get maps directions from Porta Nuova



From Turin Airport: by taxi (30 minutes, about 40 euros), by public bus or by train. The bus leaves every 10-15 minutes from the Airport and takes about 40-45 minutes to get to the **Porta Nuova** train station. <https://torino.arriva.it/en/airport-line-torino-city-center-torino-airport/> The train leaves approximately every 30 minutes from “Torino Aeroporto di Caselle” and “Torino Porta Susa” [EN - Trenitalia](#). To reach the venue you’ll need to take a train or the metro to Torino Porta Nuova.

From Milan Malpensa airport: by bus. The bus leaves every 1-1,5 hours during the day and takes about 2 hours to get to Turin. The final stop is **Torino Porta Susa**: to reach the venue you’ll need to take a train or the metro to Porta Nuova. Seat on the bus from Malpensa must be reserved in advance online. Two bus companies connect Milan Malpensa airport with Turin city centre:

<https://torino.arriva.it/en/airport-line-torino-malpensa-airport/>

<https://www.flibco.com/en/shuttle/bus-turin-malpensa-airport>

There are also trains connecting Milano Malpensa with Torino Porta Nuova. The trip takes 2h40 with a change in Milano Centrale. [EN – Trenitalia](#)

Dinner at La Badessa Restaurant (April 17th at 20.00)

Piazza Carlo Emanuele II, 17 - 45.06671341893832, 7.687964370542769

Scan the QR code to get maps directions to La Badessa (ca. 20 min. from Palazzo Ceriana Mayneri by public transport, 30 min. by foot)



Dinner at Pizzeria Fratelli Milù (April 18th at 19.30)

Corso Giuseppe Siccardi 15bis - 45.071930822018984, 7.67536836061838

Scan the QR code to get maps directions to Pizzeria Fratelli Milù (ca. 10 min. from Palazzo Ceriana Mayneri by public transport, 20 min. by foot)

