

CONFERENCE

13-15.03.2023

ATHENS | NHRF

Amphitheatre Leonidas Zervas Vas. Constantinou Avenue 48

inspired RIs Structural Biology

The National RIs on Integrated Structural Biology, Drug Screening Efforts & Drug target functional characterization

ORGANIZATION: Inspired-RIs coordinator, Instruct-EL hub / NHRF & Aristotle University of Thessaloniki, jointly with University of Patras.

AIM: INSPIRED-RIs- The National Research Infrastructures on Integrated Structural Biology, Drug Screening Efforts & Drug target functional characterization (MIS 5002550) organize a conference to increase awareness of the services provided to interested key stakeholders.

TARGET GROUP: Research scientists from Greek Academic – Research – Public Organizations, National Research Infrastructures, Industries, Companies, SMEs, Clusters in Greece, and South-East Europe.

REGISTRATION: Ms Pandora Karakousi, pkarakousi@eie.gr until **March 10th, 2023.**

ORGANIZATION: The conference is organized by Inspired-RIs coordinator, Instruct-EL hub/NHRF and Aristotle University of Thessaloniki jointly with University of Patras.

PLENARY SPEAKERS

Prof. Sir David Stuart

FRS, FMedSci, University of Oxford, Life Science Director, Diamond Light Source, UK

Prof. Harald Schwalbe

Instruct-ERIC Director

Prof. Dr Arwen Pearson

University of Hamburg, CFEL

Prof. Dr Panagiotis Kastritis

ERA Chair holder at NHRF & Jr Prof. Martin Luther University of Halle-Wittenberg

ORGANIZING COMMITTEE:

INSTRUCT-EL hub / Inspired

Dr E.D. Chrysina, ICB-NHRF

Dr S.E. Zographos, ICB-NHRF

Dr M. Zervou, ICB-NHRF

Dr S. Pispas, TPCI-NHRF

Dr M. Karayianni, TPCI-NHRF

Em. Prof. E-N. Nikoloussi, AUTH

Prof. A. Sioga, AUTH

Em. Prof. Aik. Kaidoglou, AUTH

Dr V. Lagouri, ICB-NHRF

Ms P. Karakousi, ICB-NHRF

UPAT / Inspired

Prof. G.A. Spyroulias, Dept. of Pharmacy

Prof. S. Taraviras, Medical School

Supporting team:

Ms Ioanna Gerogianni, ICB-NHRF

Ms Evgenia Stamati, ICB-NHRF

Mr Paraschos Christodoulou, ICB-NHRF



Inspired-RIs are affiliated with the pan-European Research Infrastructure Consortium on Integrated Structural Biology, an ESFRI Landmark.

PROGRAMME*

Day 1	Monday, March 13th 2023
09:30 – 10:00	Registration
10:00 – 10:15	<p>Welcome</p> <p>Professor Dimosthenis Sarigiannis Director & President of the NHRF Board</p> <p>Dr Alexander Pintzas Director of the Institute of Chemical Biology at NHRF</p> <p>Dr Antonios Gypakis Head of the Policy Planning Department, General Secretariat for Research & Innovation</p>
10:15 – 10:30	<p>The National Research Infrastructures on Integrated Structural Biology, Drug Screening Efforts & Drug target functional characterization</p> <p>Evangelia D. Chrysina Inspired-RIs coordinator, Research Director, Institute of Chemical Biology, NHRF</p>
10:30 – 10:45	<p>Instruct-EL hub – Centre for the Provision and Development of Integrated Structural Biology Research Services</p> <p>Evangelia D. Chrysina Instruct-EL hub coordinator, Research Director, Institute of Chemical Biology, NHRF</p>
10:45 – 11:00	<p>Inspired – University of Patras</p> <p>Georgios A. Spyroulias UPAT node coordinator, Professor, Department of Pharmacy, University of Patras</p>
11:00 – 11:15	<p>Inspired – National Centre for Scientific Research – “Demokritos”</p> <p>Georgios Nounesis NCSR-“Demokritos” node coordinator, President</p> <p>Emmanuel Saridakis NCSR-“Demokritos” node coordinator, Senior Researcher, Institute of NanoScience and Nanotechnology</p>
11:15 – 11:30	<p>Inspired –Foundation for Research and Technology – West Greece</p> <p>Maria Klapa Inspired-FORTH-West Greece, node coordinator, Senior Researcher, Institute of Chemical Engineering Sciences</p>

11:30 – 11:40	Discussion
11:40 – 12:15	Coffee Break
12:15 – 12:30	Inspired – National and Kapodistrian University of Athens Constantinos E. Vorgias Inspired-NKUA, node coordinator, Professor, Department of Biology
12:30 – 12:45	Inspired – Hellenic Pasteur Institute Konstantinos Lazaridis Inspired HPI – node coordinator, Senior Researcher, Department of Immunology
12:45 – 13:00	Inspired – National Technical University of Athens (NTUA) Dimitris Kekos Inspired-NTUA, node coordinator, Emeritus Professor, School of Chemical Engineering Evangelos Topakas Inspired-NTUA, node coordinator, Associate Professor, School of Chemical Engineering
13:00 – 13:15	Inspired – Foundation for Research and Technology – Epirus Theologos Michaelidis Inspired-FORTH-BRI, node coordinator, Associate Professor, Biomedical Research Institute
13:15 – 13:30	Inspired – University of Ioannina Anastasia Politou Inspired-Uoi, node coordinator, Associate Professor, Department of Biological Chemistry
13:30 – 13:45	Inspired – University of Crete Michael Kokkinidis Inspired-UoC, node coordinator, Emeritus Professor, Department of Biology Georgios Tsiotis Inspired-UoC, node coordinator, Professor, Department of Chemistry
13:45 – 13:55	Discussion
13:55 - 15:00	Lunch Break
15:00 – 15:15	Inspired-University of Thessaly Demetres D. Leonidas Inspired-UoTh, node coordinator, Professor, Department of Biochemistry and Biotechnology

15:15 – 15:30	<p>Inspired- Demokritus University of Thrace</p> <p>Aikaterini Katsani, Inspired-DUTH, node coordinator, Assistant Professor, Department of Molecular Biology & Genetics</p>
15:30 – 15:45	<p>Inspired- e-hub “Athena” Research and Innovation Centre</p> <p>Yannis Ioannidis Inspired-e-hub-Athena-RC, node coordinator, Professor, Information Management Systems Institute</p> <p>Theodore Dalamagas Inspired-e-hub-Athena-RC, node coordinator, Research Director, Information Management Systems Institute</p>
15:45 – 16:00	<p>Inspired – Centre for Structural Analysis, Agricultural University of Athens</p> <p>Elias Eliopoulos Inspired-AUA, node coordinator, Professor, Department of Biotechnology</p> <p>Kostas Bethanis Inspired-AUA, node coordinator, Associate Professor, Department of Biotechnology</p>
16:00 – 16:30	Coffee Break
16:30 – 18:00	Poster session

Day 2	Tuesday, March 14th 2023
	Plenary lectures and selected examples from nodes /users
10:00 – 10:30	<p>Exploring cellular organization in native cell extracts with cryo-electron microscopy</p> <p>Panagiotis Kastritis ERA Chair holder at NHRF and Jr Professor at The Martin Luther University of Halle-Wittenberg, Germany</p>
10:30 – 11:00	<p>The global perspective of collaborative research in Instruct (Integrated Structural Biology) - Case Study: SARS-CoV-2</p> <p>Harald Schwalbe Professor, Dr., Instruct-ERIC Director</p>
11:00 – 11:30	<p>Time-resolved structural biology - status and future</p> <p>Arwen Pearson Professor, Dr. University of Hamburg, CFEL</p>
11:30 – 12:00	Coffee Break

12:00 – 12:30	<p>Integrating structural methods to understand and combat viruses</p> <p>David Stuart Professor, Sir, FRS, FMedSci, MRC Professor of Structural Biology, Nuffield Department of Medicine, University of Oxford Life Science Director, Diamond Light Source</p>
12:30 – 12:50	<p>Structural studies of carboxypeptidases</p> <p>Petros Giastas Assistant Professor, Biotechnology Dept., Agricultural University of Athens</p>
12:50 – 13:10	<p>Application of biophysical methods for the investigation of protein-based nanostructures</p> <p>Aristeidis Papagiannopoulos Senior Researcher, Theoretical and Physical Chemistry Institute, NHRF</p>
13:10 – 13:30	<p>OBP-based Reverse Chemical Ecology: Utilizing Inspired Facilities</p> <p>Eleni Anna Christodoulou PhD student, Institute of Chemical Biology, NHRF</p>
13:30 – 14:00	<p>Morphological analysis of embryonic structures and structural proteins using transmission and scanning electron microscopy</p> <p>Elpida-Niki Emmanouil-Nikoloussi Emeritus Professor, School of Medicine, Aristotle University of Thessaloniki</p>
14:00 – 14:20	<p>Analysis of structure-function relationship of apolipoproteins for the understanding of molecular mechanisms of human diseases</p> <p>Angeliki Chroni Research Director, Institute of Biosciences and Applications, NCSR-“Demokritos”</p>
14:20 – 15:15	Lunch Break
15:15 – 16:40	Meeting: Assembly of Inspired-RIs partners
16:40 – 17:00	Coffee Break
17:00 – 18:00	Meeting: Assembly of Inspired-RIs partners (continue)

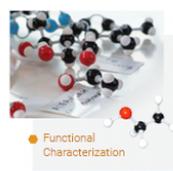
Day 3	Wednesday, March 15th 2023
	Selected examples from nodes / users and invited lectures
09:30 – 09:40	<p>Expression in insect cells</p> <p>Konstantinos Meliopoulos MSc Department of Molecular Biology and Genetics, DUTH</p>

09:40 – 09:50	<p>Evaluation of the binding affinity and selectivity between aptamers and small molecule ligands</p> <p>George Tsekenis Head of Applied Biophysics and Surface Science Laboratory, Biomedical Research Foundation of the Academy of Athens</p>
09:50 – 10:00	<p>How the metabolic profile of plant leaves may be used as key marker for plant health and improve understanding of structure-function relationships with applications in ecophysiology</p> <p>Georgia Tooulakou / Maria Klapa Dr / Head of Metabolic Engineering and Systems Biology Laboratory, FORTH-ICEHT</p>
10:00 – 10:10	<p>NMR Structural biology of SARS-CoV-2 nsP3 proteins</p> <p>Nikolaos Fourkiotis PhD student, Department of Pharmacy, University of Patras</p>
10:10 – 10:20	<p>Development of innovative drugs in amyloidosis"</p> <p>Georgia Nasi / Vassiliki Iconomidou Dr/Associate Professor, Section of Cell Biology and Biophysics, Department of Biology, NKUA</p>
10:20 – 10:45	<p>Closing remarks</p>
10:45 – 11:00	<p>Coffee</p>

*The programme might be subjected to small changes



services
catalogue



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ΕΡΑΝΕΚ 2014-2020
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