



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. Chrysinas, 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	Welcome
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	<p>Inspired – National and Kapodistrian University of Athens</p> <p>Constantinos E. Vorgias Inspired-NKUA, node coordinator, Professor, Department of Biology</p>

12:30 – 12:45	<p>Inspired – Hellenic Pasteur Institute</p> <p>Konstantinos Lazaridis Inspired HPI – node coordinator, Senior Researcher, Department of Immunology</p>
12:45 – 13:00	<p>Inspired – National Technical University of Athens (NTUA)</p> <p>Dimitris Kekos Inspired-NTUA, node coordinator, Emeritus Professor, School of Chemical Engineering</p> <p>Evangelos Topakas Inspired-NTUA, node coordinator, Associate Professor, School of Chemical Engineering</p>
13:00 – 13:15	<p>Inspired – Foundation for Research and Technology – Epirus</p> <p>Theologos Michaelidis Inspired-FORTH-BRI, node coordinator, Associate Professor, Biomedical Research Institute</p>
13:15 – 13:30	<p>Inspired – University of Ioannina</p> <p>Anastasia Politou Inspired-Uoi, node coordinator, Associate Professor, Department of Biological Chemistry</p>
13:30 – 13:45	<p>Inspired – University of Crete</p> <p>Michael Kokkinidis Inspired-UoC, node coordinator, Emeritus Professor, Department of Biology</p> <p>Georgios Tsiotis Inspired-UoC, node coordinator, Professor, Department of Chemistry</p>
13:45 – 13:55	Discussion
13:55 - 15:00	Lunch Break
15:00 – 15:15	<p>Inspired-University of Thessaly</p> <p>Demetres D. Leonidas Inspired-UoTh, node coordinator, Professor, Department of Biochemistry and Biotechnology</p>
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	Structural studies of carboxypeptidases Petros Giastas Assistant Professor, Biotechnology Dept., Agricultural University of Athens
12:50 – 13:10	Application of biophysical methods for the investigation of protein-based nanostructures study Aristeidis Papagiannopoulos Senior Researcher, Theoretical and Physical Chemistry Institute, NHRF
13:10 – 13:30	OBP-based Reverse Chemical Ecology: Utilizing Inspired Facilities Eleni Anna Christodoulou PhD student, Institute of Chemical Biology, NHRF
13:30 – 14:00	title to be announced Elpida-Niki Emmanouil-Nikoloussi Emeritus Professor, School of Medicine, Aristotle University of Thessaloniki
14:00 – 14:20	Analysis of structure-function relationship of apolipoproteins for the understanding of molecular mechanisms of human diseases Angeliki Chroni Research Director, Institute of Biosciences and Applications, NCSR-“Demokritos”
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	Expression in insect cells Konstantinos Meliopoulos MSc Department of Molecular Biology and Genetics, DUTH
09:40 – 09:50	Evaluation of the binding affinity and selectivity between aptamers and small molecule ligands George Tsekenis Head of Applied Biophysics and Surface Science Laboratory, Biomedical Research Foundation of the Academy of Athens

09:50 – 10:00	(title to be announced) Georgia Tooulakou / Maria Klapa Dr / Head of Metabolic Engineering and Systems Biology Laboratory, FORTH-ICEHT
10:00 – 10:10	NMR Structural biology of SARS-CoV-2 nsP3 proteins Nikolaos Fourkiotis PhD student, Department of Pharmacy, University of Patras
10:10 – 10:20	(title to be announced) Speaker Title, affiliation
10:20 – 10:45	Closing remarks
10:45 – 11:00	Coffee

*The programme might be subjected to small changes



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



www.inspired-ris.gr
inspired-ris.catalogue.athenarc.gr
info@inspired-ris.gr



European Union
European Regional
Development Fund



HELLENIC REPUBLIC
MINISTRY OF
DEVELOPMENT AND INVESTMENTS
SPECIAL SECRETARIAT FOR
ERDF, CF & ESF PROGRAMMES
MANAGING AUTHORITY OF ESPA/ERDF

ΕΡΑΝΕΚ 2014-2020
OPERATIONAL PROGRAMME
COMPETITIVENESS • ENTREPRENEURSHIP • INNOVATION



ΕΣΠΑ
2014-2020
Ευρωπαϊκό Ταμείο Ανάπτυξης
Partnership Agreement
2014 - 2020

Co-financed by Greece and the European Union

SPONSORED BY:

*Lab Supplies
Scientific*



ΑΝΑΛΥΤΙΚΕΣ ΣΥΣΚΕΥΕΣ Α.Ε.
ΑΠ Κ.Ι. ΒΑΜΒΑΚΑΣ - ΕΠΙΣΤΗΜΟΝΙΚΟΣ ΕΣΟΠΙΣΜΟΣ.



ANALYTICAL ENVIRONMENTAL
LIFE INDUSTRIAL SCIENCES

KLOTHAKIS ELEFTHERIOS & Co
Tel: +30 210 7524444 . Fax: +30 210 7560849
Email: info@anelis.gr. Website: www.anelis.gr



Rigaku
Leading With Innovation



Douglas Instruments
Success in protein crystallization