



ΠΑΝΕΠΙΣΤΗΜΙΟ
ΠΑΤΡΩΝ
UNIVERSITY OF PATRAS




The "ESPERANCE" project

ERA Chair Life Sciences Program to Empower molecular and structural biology initiatives at UPAT Kickoff Meeting



24-25 April, 2023

Conference & Cultural Center, University of Patras, GR

 era-esperance.eu

Prof. Anastassis Perrakis, The ERA-Chair

Head of the Department of Biochemistry, The Netherlands Cancer Institute, Oncode Institute, Bijvoet Center for Biomolecular Research, University of Utrecht, The Netherlands

Prof. Georgios A. Spyroulias

Department of Pharmacy,
University of Patras, Greece

Prof. Zoi Lygerou

School of Medicine,
University of Patras, Greece

Prof. Stavros Taraviras

School of Medicine,
University of Patras, Greece

Invited Speakers

Prof. Kristina Djinović-Carugo

Head of EMBL-Grenoble Unit, France

Prof. Vladimir Benes

Genomic Core Facility, EMBL, Heidelberg, Germany

Prof. Harald Schwable

Director of Instruct-ERIC, Frankfurt Goethe University,
Germany

Prof. Thijn Brummelkamp

Oncode Institute, Division of Biochemistry, NKI,
Amsterdam, Netherlands

Prof. Janez Plavec

National Institute of Chemistry, Ljubljana, Slovenia

Dr. Olivier Raineteau

Inserm, Stem Cell and Brain Research Institute. Bron, France

Prof. Bruno Coutard

Aix-Marseille University, Marseille, France

Dr. Hans Wienk

NKI, Amsterdam, Netherlands

Dr. Yiannis Drossos

St Jude Children's Research Hospital, Memphis, TN, USA

Dr. Angelo Gallo

Department of Chemistry, University of Torino, Italy

Dr. Maria Villiou

IMSEAM, Heidelberg University, Germany

Dr. Marina Arbi

Medical School, University of Patras, Greece

Dr. Aikaterini I. Argyriou

Department of Pharmacy, University of Patras, Greece

Dr. Aikaterini C. Tsika

Department of Pharmacy, University of Patras, Greece

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Venue:

**Conference & Cultural Center, University of Patras
Room II-11 (1st Floor)**

Monday 24th April, 2023			
9.30 - 11.00 Session 1: Mechanisms in cell biology (chair S. Taraviras)			
9.30	10.00	Zoe Lygerou <i>Dept of Medicine, UPAT, GR</i>	<i>Maintaining Genome Stability</i>
10.00	10.30	Thijn Brummelkamp <i>Oncode and the Netherlands Cancer Institute, NL</i>	<i>Haploid genetics for deciphering new mechanisms in cell biology</i>
10.30	11.00	Kristina Djjinovic <i>EMBL-Grenoble Unit, FR</i>	<i>Order from Disorder in the Sarcomere: Towards molecular architecture of the muscle Z-disk assembly</i>
11.00 - 11.30 Coffee break			
11.30 - 12.30 Session 2: Mechanisms in neurobiology (chair V. Roukos)			
11.30	12.00	Stavros Taraviras <i>Dept of Medicine, UPAT, GR</i>	<i>Fate decisions in neural stem cells</i>
12.00	12.30	Olivier Rainetau <i>INSERM, Stem Cell and Brain Research Institute, Bron, FR</i>	<i>Mechanisms controlling postnatal forebrain germinal activity in health and following early injuries</i>
12.00 – 12.30 Coffee break			
12.30 - 13.00 Session 3: Outreach (chair Z. Lygerou)			
Scope of the ESPERANCE ERA Chair Program			
12.30	12.45	Nikolina.Mijolovic <i>Project Officer, DG-NEAR, European Commission</i>	<i>The Horizon Europe WIDERA ERA Chair Program</i>
12.45	13.00	Georgios A. Spyroulias <i>Dept of Pharmacy, UPAT</i>	<i>The UPAT's ESPERANCE ERA Chair project</i>
Official Opening of the meeting			
13.00		Christos Bouras, <i>Rector</i>	Welcome – Official start of the meeting
		Fokion Zaimis, <i>Deputy Governor of Entrepreneurship, Research & Innovation</i>	
		Anastassios Athanassopoulos, <i>Dean, School of Health Sciences, UPAT</i>	
		Georgios Antonakis, <i>Chair, School of Medicine. UPAT</i>	
		Sotirios Nikolaropoulos, <i>Chair, Department of Pharmacy, UPAT</i>	
European Connections and Perspectives			
13.20	13.35	Harald Schwalbe <i>Director, INSTRUCT-ERIC, Goethe University Frankfurt, DE</i>	<i>Instruct-ERIC: Perspectives and synergies with UPAT</i>
13.35	13.45	Anastassis Perrakis <i>Oncode Institute and the Netherlands Cancer Institute, NL</i>	<i>The ERA Chair Perspective</i>
13.45 – 15.00 Lunch			

15.00 – 16.30 Session 4: NMR in structural biology (chair H. Schwalbe)			
15.00	15.30	Georgios A. Spyroulias <i>Dept of Pharmacy, UPAT, GR</i>	<i>Structural Biochemistry Initiatives at UPAT</i>
15.30	16.00	Janez Plavec <i>National Institute of Chemistry, Ljubljana, SI</i>	<i>Structure and dynamic features of quadruplex DNA and its ligand interactions</i>
16.00	16.30	Bruno Coutárd <i>Aix-Marseille University, Marseille, FR</i>	<i>When an antidepressant becomes antiviral: Prozak inhibits the replication of enteroviruses by targeting the 2C protein.</i>
16.30 – 17.00 Coffee			
17.00 – 18.00 ERA chair talk (introduction by G.A. Spyroulias)			
17.05	17.50	Anastassis Perrakis	<i>Form and function in Biology: a twenty-year quest understanding and targeting Autotaxin</i>
17.50	19.30	PMT & EAB	<i>Discussion - Strategic Plan of ESPERANCE</i>
20.00		Conference Dinner	

Tuesday 25 April, 2023			
9.00 – 10.30 Session 5: Infrastructures, facilities & consortia for structural biology (chair K. Djinic)			
9.00	9.30	Harald Schwalbe <i>INSTRUCT-ERIC, Goethe Univ. Frankfurt, DE</i>	<i>Covid19-NMR: From fragments to antivirals - the role of NMR</i>
9.30	10.00	Vladimir Benes <i>Genomic Core Facility, EMBL, Heidelberg, DE</i>	<i>EMBL Core facilities - linking science with service</i>
10.00	10.30	Hans Wienk <i>Oncode Institute and the Netherlands Cancer Institute, NL</i>	<i>The NKI Protein Facility in the context of iNEXT-Discovery, Instruct, and others</i>
10.30 – 11.00 Coffee			
11.00 – 12.15 Session 6: Young Investigators (chair A. Perrakis)			
11.00	11.25	Yiannis Drosos <i>St Jude Children's Research Hospital, Memphis, TN, USA</i>	<i>SWI/SNF and Polycomb Antagonism in Chromatin Regulation and Cancer: Biological Implications and Therapeutic Opportunities</i>
11.25	11.50	Marina Arbi <i>Dept of Medicine, UPAT, GR</i>	<i>Controlling centriole numbers in cells</i>
11.50	12.15	Angelo Gallo <i>Department of Chemistry, University of Torino, IT</i>	<i>Structural basis for the interaction between a peptidyl carrier protein and condensation domain in the enacyloxin hybrid PKS-NRPS</i>
12.15 – 12.45 Coffee			
12.45	13.10	Aikaterini Argyriou <i>Dept of Pharmacy, UPAT, GR</i>	<i>NMR view to the activation mechanism of a heme enzyme</i>

13.10	13.35	Maria Villiou <i>IMSEAM, Heidelberg University, DE</i>	<i>Multifunctional 3D Printable Biomaterials for Bioapplications</i>
13.35	14.00	Aikaterini Tsika <i>Dept of Pharmacy, UPAT, GR</i>	<i>Macro domains: revealing their distinctive features</i>

Closed sessions

Tuesday 25 April, 2023

14.00 – 19.30 Closed Session for PMT, EAB and Group Leader Candidates

14.00	15.00	EAB & PMT working lunch	<i>EAB shares opinions about group leader candidates seminars</i>
15.00	18.00	PMT and Group Leader candidates	<i>Presentation of project specifics, expectations, open question session</i>
18.00	19.30	PMT meeting	<i>Discussion on candidates, specific of interviews</i>
20.00	Dinner with PMT and Group Leader candidates		