



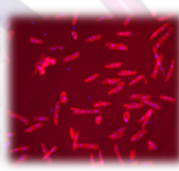
World
Hellenic
Biomedical
Association
WHBA, Inc.

9th International Summer School in Medical & Biosciences Research & Management

May 15-22, 2021

Neo Itilo, Laconia – Greece

www.whba1990.org



Organizing Committee

Co-chairs

Konstantinos Drosatos (Lewis Katz School of Medicine at Temple University, USA)

Athanasios Mantalaris (Georgia Institute of Technology, USA)

George Mentis (Columbia University, USA)

Petros Grivas (University of Washington, USA)

Thales Papagiannakopoulos (New York University, USA)

Miltiadis Krokidis (Cambridge University, UK)

Sotirios G. Stergiopoulos (A2A Pharmaceuticals, USA)

Junior members

Christos Evangelou (WHBA Summer School Class of 2014)

Currently: Freelance Medical Writer and Editor

Chara Koutsioumpa (WHBA Summer School Class of 2012)

Currently: PhD Candidate at Harvard Medical School, USA

Eleftheria Ledaki (WHBA Summer School Class of 2015)

Currently: Commercialization Manager, Biopharma, Queen Mary Innovation Ltd, UK

Christos Lisgaras (WHBA Summer School Class of 2014 & 2015)

Currently: Post-doctoral Fellow, Nathan Kline Institute & NYU Langone

Efi Tsouko (WHBA Summer School Class of 2014)

Currently: Post-doctoral research associate, Baylor college of Medicine

Saturday May 15, 2021

12:00 pm

Departure from Athens International Airport

6:30 – 8:00 pm

OPENING SESSION

Welcoming Remarks

Konstantinos Drosatos

Nikos Katsanis (President, WHBA)

“The Roy & Diana Vagelos Opening Lecture”

John Ioannidis (Stanford University, USA)

Introduction: Sakis Mantalaris (Georgia Tech and Emory University, USA)

8:00

Dinner (sponsored by the WHBA)

Sunday May 16, 2021

7:00 – 7:30 am	“Νους υγιής εν σώματι υγιεί” / Healthy mind lives in a healthy body (Fitness program)
8:30 – 10:00	Computational approaches in genomics and drug discovery Human genome structure Manolis Kellis , MIT, Boston, USA Leveraging Spatial Computing in Precision Medicine for Drug Discovery Alex Sigaras , Weill Cornell Medical College, USA
10:30 – 12:00	Deciphering “junk DNA” Artemis Hatzigeorgiou , Univ. of Thessaly, Greece Human disease modeling Nicholas Katsanis , Northwestern University, USA
12:00 – 2:00	LUNCH
2:00 – 3:30	Understanding multidimensional epigenetic landscapes in health and disease Argyris Papantonis , University Medical Center Göttingen, Germany Genome integrity and cell fate in cancer Zoi Lygerou , University of Patras, Greece
4:00 – 5:30	RNA editing and epitranscriptomics in CV Disease Konstantinos Stellos , Newcastle University, UK tRNA biology in human disease Konstantinos Stathopoulos , Univ. of Patras, Greece
5:30 – 6:00	QUIZ
6:30 – 8:00	“How to Convey Successfully Your Ideas in Scientific Presentations and Publications” Sakis Mantalaris , Georgia Tech and Emory Univ., USA Nicholas Katsanis , Northwestern University, USA Nicki Panoskaltsis , Emory University, USA
8:00 – 10:00	DINNER
10:15 – 11:15	“Practice your skills in applying and interviewing for a position” (Optional) Students will submit CV and cover letter to faculty (Up to

Monday May 17, 2021

7:45 – 8:30 am	Theater Game: “Perform at your best in and out of science” Mantelena Papadatou , Deus Ex Machina New York Theater Group, USA
8:30 – 10:00	Introduction in Embryonic stem cells and IPS cells Evangelos Kiskinis , Northwestern University, USA Hematopoietic & Mesenchymal Cells in Health & Disease Stavroula Kousteni , Columbia University, USA
10:30 – 12:00	Biological Mechanisms of Psychosis Diomedes Logothetis , Northeastern University, USA “Past, Present, and Future of clinical practice in Psychiatry” Nicandros Bouras , King’s College London, USA
12:00 – 2:00	LUNCH
2:00 – 3:30	Drug Development for Cancer Immunotherapy Dimitris Skokos , Regeneron Pharmaceuticals, USA “Getting Immunotherapy into patients” - TGN1412: when good science goes bad Nicki Panoskaltsis , Emory Univ. Medical School, USA
4:00 – 5:30	Multi-Omics for the characterization of biological circuits in health and disease Spyros Garbis , CalTech, USA Cell manufacturing for therapeutic applications Sakis Mantalaris , Georgia Tech and Emory Univ., USA
5:30 – 6:00	QUIZ
6:30 – 8:00	MEET THE PROFESSORS
8:00 – 09:30	DINNER
9:45 – 11:15	“Day after the Summer School – Day before your next career step in Academia” Panel Discussion Manolis Kellis , MIT, Boston, USA Nicki Panoskaltsis , Emory Univ. Medical School, USA Zoi Lygerou , University of Patras, Greece Petros Grivas , Univ. of Washington Med. School, USA Konstantinos Stellos , Newcastle University, UK Chara Koutsioumpa , PhD Candidate Harvard Med. School, USA

Tuesday May 18, 2021

7:00 – 7:30 am	Νους υγιής εν σώματι υγιεί / Healthy mind lives in a healthy body.
8:30 – 10:00	Student presentations - Topics assigned by instructors (3 groups)
10:30 – 12:00	Student presentations - Topics assigned by instructors (3 groups)
12:00 – 2:00	LUNCH
2:00 – 3:45	Metabolism of heart disease Konstantinos Drosatos, Temple University Targeting metabolism of cancer Thales Papagiannakopoulos, New York Univ., USA Targeting human metabolic disease to fight cancer Steve Boyages, University of Sydney, Australia
3:45 – 4:00	BREAK
4:00 – 5:30	Technology Transfer: from laboratory to product. Aristos Doxiadis (Big Pi, Vice chair research technology and innovation to Greek government) Sotirios G. Stergiopoulos (A2A Pharmaceuticals, USA) Eleftheria Ledaki (WHBA Summer School Class of 2015)
6:00 – 6:30	QUIZ
6:30 – 8:30	MEET THE PROFESSORS
8:30 – 10:00	DINNER
10:15 – 11:15	“Day after the Summer School – Day before your next career step in a non-academic pathway” Panel discussion Dimitris Skokos, Regeneron Pharmaceuticals, USA Spyros Deftereos, Merck Hellas, Greece Athina Ikonomidou, PLUS Life Sciences Consulting Sàrl, Switzerland Eleftheria Ledaki, Commercialisation Manager, Biopharma, Queen Mary Innovation Ltd, UK

Wednesday May 19, 2021

7:45 – 8:30 am	Set Your Rhythm: The Science of Music Catherine Kreatsoulas, Harvard School of Public Health, USA
8:30 – 10:15	Identifying marketable scientific discoveries Spyros Deftereos, Merck Hellas, Greece Development of a Business Plan Athina Ikonomidou, Hellenic Pasteur Institute Board of Directors & Life Sciences Bus Dev & Tech Transfer
	BREAK
10:30 – 12:00	History of Mani Eleni Drakaki, New York University, USA Highlights from the history of medicine in Mani region Marianna Karamanou, University of Crete, Greece
	Nutrition Profile of the Mani region Antonia Matalas, Harokopio University, Greece
12:00 – 1:00	LUNCH
1:00	Recreation in Mani
4:30 – 5:30	Arts Lesson (sculpturing) - Vathia
10:15 – 11:15	“What Do the Summer School Alumni Do Today And What Can Summer School Students Do Tomorrow?” Panel Discussion (Professors are not allowed) Christos Evangelou, Freelance Medical Writer and Editor Chara Koutsoumpa, PhD Candidate at Harvard Medical School, USA Eleftheria Ledaki, Commercialization Manager, Biopharma, Queen Mary Innovation Ltd, UK Christos Lisgaras, Post-doctoral Fellow, Nathan Kline Institute & NYU Langone Efi Tsouko, Post-doctoral research associate, Baylor college of Medicine

Thursday May 20, 2021

7:00 – 7:30 am	Νους υγιής εν σώματι υγιεί / Healthy mind lives in a healthy body.
8:30 – 10:00	Introduction in Artificial Intelligence Concepts Nikos Mavridis , MIT Enterprise Forum, USA Machine learning: A tool to combine the power of genomics with medical data Aris Tsirigos , New York University, USA
10:30 – 12:00	Pursuing regenerative medicine with robots in the Surgery Room Christos Bergeles , King's College London, UK Machine Learning and Artificial Intelligence technology solutions for healthcare Elena Petelos , University of Crete, Greece & University of Maastricht, Netherlands
12:00 – 2:00	LUNCH
2:00 – 3:30	Precision Medicine in Breast Cancer Eleni Andreopoulou , Weill Cornell Medical Coll., USA Tumor & Host Biomarkers and Therapeutics of Genitourinary Cancers Petros Grivas , University of Washington, USA
4:00 – 5:30	Identifying and recruiting the right patients for a clinical trial Nikos Scarmeas , University of Athens, Greece Clinical Study Design: Now that you have the patients, you need to do the statistics Catherine Kreamsoulas , Harvard University School of Public Health, USA
5:30 – 6:00	QUIZ
6:30 – 8:00	MEET THE PROFESSORS
8:00 – 10:00	DINNER
10:15 – 11:15	“Practice your skills in applying and interviewing for a position” (Optional) Students will submit CV and cover letter to faculty (Up to 3 students/faculty on a 1st come – 1st served basis). The student will be invited for a 15-min mock interview or for discussion about weaknesses of the submitted material.

Friday May 21, 2021

7:45 – 8:30 am	Set Your Rhythm: The Science of Music Catherine Kreamsoulas , Harvard School of Public Health, USA
8:30 – 10:00	Use of Radiation sensitizers for improvement of ionizing radiation therapies Costas Koumenis , University of Pennsylvania, USA Vascular and Interventional Radiology Miltos Krokidis , Cambridge University, UK
10:30 – 12:00	Imaging for diagnosis and treatment of life-threatening diseases Vassilis Ntziachristos , Technical Univ. of Munich, Germany Imaging body's vessels from inside Manos Brilakis , Minneapolis Heart Institute, USA
12:00 – 12:30	QUIZ
12:30 – 2:00	LUNCH
2:00 – 4:00	Student presentations - Topics assigned by instructors (4 groups)
4:00 – 4:30	Group photo
6:00 – 8:00	CLOSING SESSION Student and Faculty awards Closing Keynote Lecture Dimitris Agrafiotis - Novartis, USA Distinguished Lecture Nicandros Bouras - King's College London, UK “30 years of WHBA history”
8:00 – 10:00	DINNER (sponsored by the WHBA)
10:00	PARTY
12 PM	Saturday May 22, 2021 DEPARTURE TO ATHENS