

**4th WHBA Summer School in
Medical & Biosciences Research & Management
Program**

May 16-23, 2015 –Neo Itilo, Mani Laconia & Athens, Greece

**May 16
Arrival of students to Athens and travel to Mani
(Porto Vitilo Hotel, Neo Itilo)**

May 17		
8:30 – 10:00	How to write well and get published	Myrto Raftopoulou Editor In Chief International Journal of Mentoring and Coaching
10:15 - 11:45	How to make your CV stand out	
2:00 – 3:30	How to present well and deliver your ideas	Sakis Mantalaris Imperial College London
3:45 – 5:15	Meet with the professors	
5:30 – 7:00	Opening session Welcoming remarks <i>Sakis Mantalaris, PhD</i> <i>Imperial College London</i> <i>Coordinator of the Summer School</i> Keynote Lecture “Next Generation Genomics in Clinical Medicine” <i>Eleftherios P. Diamandis, MD, PhD</i> <i>University of Toronto, Canada</i>	
8:00	Dinner	

May 18		
	Undergraduate students	Graduate and post-graduate students
8:30 – 9:30	Lecture on Genomics Nicholas Katsanis Duke University, USA	Lecture on Clinical Neurology Spyros Kollias University of Zurich, Switzerland
9:45 - 10:45	Lecture on Proteomics Eleftherios Diamandis University of Toronto, Canada	Lecture on Metabolic Biology Konstantinos Drosatos Temple University, USA
11:00 – 12:00	Lecture on Clinical Neurology Spyros Kollias University of Zurich, Switzerland	Lecture on Immunology Efstratios Stratikos NCSR "DEMOKRITOS"
2:00 - 3:00	Lecture on Metabolic Biology Konstantinos Drosatos Temple University, USA	Lecture on Proteomics Eleftherios Diamandis University of Toronto, Canada
3:15 – 4:15	Lecture on Immunology Efstratios Stratikos NCSR "DEMOKRITOS", Greece	Lecture on Genomics Nicholas Katsanis Duke University, USA
Evening session (5:30 – 7:00 pm) - Meet with the professors		

May 19		
	Undergraduate students	Graduate and post-graduate students
8:30 – 9:30	Lecture on Imaging Vassilis Ntziachristos Technische Univ. München, Germany	Lecture on Clinical Thrombosis <i>New Approaches to the Management of Venous Thromboembolic Disease</i> Alex Spyropoulos Hofstra University Medical School, USA
9:45 - 10:45	Lecture on Apoptosis & Necrosis John Elrod Temple University, USA	Lecture on Clinical Endocrinology Steve Boyages The University of Sydney, Australia
11:00 – 12:00	Lecture on Clinical Thrombosis <i>New Approaches to the Management of Venous Thromboembolic Disease</i> Alex Spyropoulos Hofstra University Medical School, USA	Lecture on Cardiovascular Medicine Sophie Mavrogeni Onassio Cardiac Surgery Center, Greece
2:00 - 3:00	Lecture on Clinical Endocrinology Steve Boyages The University of Sydney, Australia	Lecture on Apoptosis & Necrosis John Elrod Temple University, USA
3:15 – 4:15	Lecture on Cardiovascular Medicine Sophie Mavrogeni Onassio Cardiac Surgery Center, Greece	Lecture on Imaging Vassilis Ntziachristos Technische Univ. München, Germany
Evening session (5:30 – 7:00 pm) - Meet with the professors		

May 20		
	Undergraduate students	Graduate and post-graduate students
8:30 – 9:30	Membrane Proteins: Ion Channels and G Protein-Coupled Receptors Diomedes Logothetis Virginia Commonwealth Univ, USA	Lecture on Stem Cells Sakis Mantalaris Imperial College London, UK
9:45 - 10:45	Lecture on clinical hematology oncology Nicki Panoskaltsis Northwick Park Hospital, Imperial College London	Lecture on Cancer biology Evi Giannakakou Weill Cornell Medical College, USA
11:00 – 12:00	Lecture on Stem Cells Sakis Mantalaris Imperial College London, UK	Lecture on Translational Neuroscience Leonidas Stefanis University of Athens, Greece
2:00 - 3:00	Lecture on Cancer biology Evi Giannakakou Weill Cornell Medical College, USA	Lecture on clinical hematology-oncology Nicki Panoskaltsis Northwick Park Hospital, Imperial College London
3:15 – 4:15	Lecture on Translational Neuroscience Leonidas Stefanis University of Athens, Greece	Membrane Proteins: Ion Channels and G Protein-Coupled Receptors Diomedes Logothetis Virginia Commonwealth Univ, USA
Evening session (4:30 – 5:15 pm) - Meet with the professors		

<p>May 20 (6:45 – 8:15 pm) Panel Discussion (sponsored by the Municipality of Eastern Mani) From Human Genome Sequencing to Gene Editing in Embryos: Friend or Foe? Tom Maniatis (Columbia University) & Nicholas Katsanis (Duke University) Moderator: Eleftherios P. Diamandis (University of Toronto)</p> <p>6:45 - 6:55: Introduction, Eleftherios P. Diamandis 6:55 - 7:10: "Human Genome Sequencing: Creating Genomic Medicine's landscape", Nicholas Katsanis 7:10 - 7:25: Introduction on "Gene Editing in Embryos: A step closer to Precision Medicine?", Tom Maniatis 7:25 - 7:50: Panel Discussion Discussants: Eleftherios Diamandis, Tom Maniatis, Nicholas Katsanis 7:50 - 8:15: Q & A session</p>	
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May 21	
8:30 – 9:30	Student exams
Student presentations	
10:00 - 10:30	Circulating Tumor Cells in Oncology: approaches to isolation, molecular characterization and potential clinical applications (<i>Instructor: Evi Giannakakou</i>)
10:30 – 11:00	The interaction of environment and genetics in the causation of thyroid nodular disease and thyroid cancer (<i>Instructor: Steve Boyages</i>)
11:00 – 11:30	Alpha-synuclein propagation: a potential driving force in Parkinson's Disease? (<i>Instructor: Leonidas Stefanis</i>)
11:30 – 12:00	Heteromeric glutamate/serotonin receptors in schizophrenia (<i>Instructor: Diomedes Logothetis</i>)
12:00 – 12:30	Mechanisms of Mitochondrial Calcium Exchange (<i>Instructor: John Elrod</i>)
2:00 – 2:30	Omics testing: Good or bad? (<i>Instructor: Eleftherios Diamandis</i>)
2:30 – 3:00	Benefits and Pitfalls in genome sequencing of Young Patients (<i>Instructor: Nicholas Katsanis</i>)
3:00 – 3:30	Manipulation of cardiac metabolic pathways as a way to treat cardiac dysfunction (<i>Instructor: Konstantinos Drosatos</i>)
3:30 – 4:00	Management of Venous Thromboembolic Disease (<i>Instructor: Alex Spyropoulos</i>)
4:00 – 4:30	Role of cardiac imaging in Cardiology (<i>Instructor: Sophie Mavrogeni</i>)
6:00 – 7:00	<p><i>Distinguished lecture</i> The Generation and Function of a Single Neuron Identity Code Tom Maniatis Columbia University, USA</p>

May 22	
Joint Undergraduate & Graduate Students Session	
9:00 – 9:45	Introduction in clinical research Filippo De Lorenzo, Merck Hellas AE
10:00 - 10:45	Successful and unsuccessful attempts in clinical trials Kimon Doukoumetzidis, Novartis (Hellas) S.A.C.I.
11:00 – 11:45	Drug development: From scientific discovery to pharmaceutical industry George Perentesis, GP2 Consulting on Drug Development
12:00 – 12:45	Pharma/Biotech company establishment: Combining a promising discovery with capital raising strategy. The importance of pre-clinical phase. Apostolos Papalois, ELPEN Pharmaceutical Co. Inc.

2:00 pm – Departure for Athinais Hotel - 99 Vasilissis Sofias Avenue 11521 Athens

**12th World Hellenic Biomedical Congress –
“Identifying and supporting cores of biomedical research excellence in Greece”**

May 23, 2015

Hellenic Pasteur Institute, Athens

127 Vassilissis Sofias Avenue 115 21, Athens, Greece

9:15 – 12:00 pm	
Challenges and opportunities for biomedical research & development in Greece	
Moderators: Athanasios (Sakis) Mantalaris , Imperial College London & WHBA executive board member Konstantinos Drosatos , Temple University, USA & WHBA past-president	
Welcoming remarks	
Manolis Dermitzakis , University of Geneva, Switzerland & President of the WHBA Executive Board Nickandros Bouras , King’s College London & Founding WHBA President	
9:30 – 9:55	Evi Giannakakou , President-elect (2015-2017) – World Hellenic Biomedical Association <i>“World Hellenic Biomedical Association: 25 years of building a bridge of excellence between Hellenic Biomedical Diaspora and Greece”</i>
9:55 - 10:20	Menelaos Manoussakis , Hellenic Pasteur Institute, Athens, Greece <i>“Advanced Training & Innovation Center at the Hellenic Pasteur Institute”</i>
10:20 – 10:45	Dimitris Thanos , Biomedical Research Foundation of the Academy of Athens, Greece <i>“Filling the gap: Integrating translational research components in Greece”</i>
10:45 – 11:10	George Kollias , Alexander Fleming, Biomedical Sciences Research Center & Department of Physiology, Medical School, University of Athens, Greece
11:10 - 11:35	Nektarios Tavernarakis , Institute for Mol. Biology & Biotechnology, Heraklion, Crete, Greece <i>“Promoting biomedical research and innovation in Greece: Pursuing excellence in times of crisis”</i>
11:35 – 12:00	Konstantinos Kofinas , Merck-Hellas SA, Athens, Greece <i>“Current and future perspectives of pharmaceutical sector in Greece”</i>
12:00 – 2:00 - Lunch break	
2:00 – 3:00	
KEYNOTE LECTURE	
“Economic benefits of basic research and biotechnology”	
Tom Maniatis, Columbia University, USA	
Presentation by Dimitris Thanos	
3:00 – 5:00	
Awards of outstanding performance for participants of the summer school	
Panel Discussion	
“Promoting Biomedical Research in Greece”	
Chair: Stylianos Antonarakis, University of Geneva, Switzerland	
Panelists	
Tom Maniatis, Evi Giannakakou, Menelaos Manoussakis, Dimitris Thanos, George Kollias, Nektarios Tavernarakis, Konstantinos Kofinas	