

SCHEDULE OF EVENTS – 2012 SYMPOSIUM

KIRBY LOBBY

8:30 - 9:00 AM Registration and continental breakfast

KIRBY AUDITORIUM

9:00 - 9:15 AM Opening Remarks - Chair of Pharmacology Graduate Group

9:15 - 10:30 AM Student Slide Session 1

Hilary McCarren (PI Max Kelz)

Norepinephrine blocks isoflurane-induced activation of putative sleep-promoting VLPO neurons leading to in vivo anesthetic resistance

Gabriel Krigsfeld (PI Ann Kennedy)

The effects of solar particle event-like proton radiation in ferrets

Nyamekye Obeng-Adjei (PI David Weiner)

Understanding the immune consequences of liver priming

10:30 AM - 12:00 PM Student Poster Session

12:00 - 1:00 PM Lunch (boxed lunches to be eaten throughout the NCC)

1:00 - 1:45 PM Panel Discussion - *From Academia to Industry: Opportunities for PhD's in the Pharmaceutical Industry* (George Yancopoulos, Peter.O'Brien, John Hogenesch)

1:45 - 3:00 PM Student Slide Session 2

Melissa Love (PI Doron Greenbaum)

Platelet Factor 4 antimalarial activity and translation of its mechanism to small molecule mimics of antimicrobial peptides

Alexander Frey (PI Emer Smyth)

The Thromboxane Receptor's Transmembrane Domain 5 GGL Motif is Significantly Involved in Receptor Homodimerization and Signaling

Colin Greineder (PI Vladimir Muzykantov)

Targeting thrombomodulin to endothelial ICAM-1 allows partnering with the Endothelial Protein C Receptor (EPCR) and enhances protection of endothelial barrier function

KIRBY LOBBY

3:00 - 3:30 PM Coffee Break

Schedule cont'd

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3:30 - 4:30 PM The John S. O'Brien Memorial Lecture:
Is it still possible to build a "Fully Integrated Biopharmaceutical Company" from the ground up? The Story of Regeneron
- George D. Yancopoulos M.D., Ph.D.
President of the Laboratories & Chief Scientific Officer, Regeneron Pharmaceuticals, Inc.

4:30 - 5:00 PM Student and Faculty Awards

BOGLE CHAIRMAN'S ROOM

5:00 - 6:00 PM Reception, option to explore Constitution Center, option to attend Freedom Rising Show at 5:40 PM.

John S. O'Brien Memorial Lecture in Pharmacology

“Is it still possible to build a “Fully Integrated Biopharmaceutical Company” from the ground up? The Story of Regeneron”



George D. Yancopoulos, M.D., Ph.D.,
President, Research Laboratories & Chief Scientific Officer
Regeneron Pharmaceuticals, Inc.

George D. Yancopoulos has longstanding and impressive accomplishments in scientific research that go back to his childhood years. Dr. Yancopoulos grew up in Woodside, New York, where he attended the Bronx High School of Science and carried out a research project on the single-celled organism *Blepharisma* and its mechanism for organ regeneration. After graduating high school as a valedictorian, he attended Columbia University in 1980. He received his MD and PhD degrees in biochemistry and molecular biophysics from Columbia University's College of Physicians & Surgeons in 1987. He was awarded the Lucille P. Markey Scholar Award for scholastic excellence in the field of molecular immunology. In 1989, he left academia to serve as one of the founding scientists for Regeneron Pharmaceuticals. George D. Yancopoulos is currently the Vice President, Chief Scientific Officer and President of Regeneron Laboratories.

The breadth and depth of Dr. Yancopoulos' scientific efforts have advanced science in many ways. He has contributed to the discovery of growth factors such as neurotrophins, ephrins and angiopoietins, as well as their receptors and signaling pathways. Dr. Yancopoulos' team developed Trap Technology, VelociGene, and VelocImmune; all of which provide innovative platforms for target and drug discovery. Dr. Yancopoulos and his research team have engaged in translational research leading to numerous drug candidates for clinical trials that have led to drugs currently approved for treatment of human disease. Some of these drugs include IL1-Trap

(ARCALYST®, for treatment of orphan inflammatory disease) and VEGF Trap-Eye (EYLEA®; treatment for age-related macular degeneration). With over 350 publications, the scientific contributions of Dr. Yancopoulos have been recognized with numerous prestigious awards such as the Columbia University's Stevens Triennial Prize for Research and its University Medal of Excellence for Distinguished Achievement. Additionally, Dr. Yancopoulos was elected to both the National Academy of Sciences and the American Academy of Sciences in 2004.