

The background image shows a woman in a brown coat standing at the front of a lecture hall, presenting to an audience. Behind her is a large screen displaying various scientific illustrations, including a human figure, a DNA double helix, a bar chart, and chemical structures. The overall scene is brightly lit and professional.

# **Dawn of the Precision Medicine Era**

## **Druggable and undruggable KLF/SP factors, Phosphatases & other signaling effectors in human disease**

**October 19 - 22, 2024**  
**European Cultural Center of Delphi**  
**Delphi, Greece**

**[www.kruppel.org](http://www.kruppel.org)**

**Coordinator**

Linda T. and John A. Mellows Center  
for Genomic Sciences & Precision Medicine  
Medical College of Wisconsin, USA

**Dawn of the Precision Medicine Era:  
Druggable and undruggable KLF/SP factors,  
phosphatases, and other signaling effectors in human disease**

**Coordinator:**

Linda T. and John A. Mellows Center for Genomic Sciences and Precision Medicine  
Medical College of Wisconsin, USA

**October 19 - 22, 2024**

European Cultural Center of Delphi  
Delphi, Greece

***Chairs (alphabetically)***

Konstantinos Drosatos, University of Cincinnati, USA  
Jonathan Katz, University of Pennsylvania, USA

***Honorary Chair***

Raul Urrutia, Medical College of Wisconsin, USA

***Organizing Committee (alphabetically)***

Agnieszka Bialkowska, Stony Brook University, USA  
Joseph Camp, Medical College of Wisconsin, USA  
Ceshi Chen, Kunming Medical University, China  
Ichiro Manabe, Chiba University, Japan  
Angela Mathison, Medical College of Wisconsin, USA  
Goutham Narla, University of Michigan, USA  
Kate Quinlan, UNSW Sydney, Australia  
Toru Suzuki, University of Leicester, UK

**Day 1: Saturday, October 19, 2024**

**Arrival to Delphi**

	<b>[ROOM]</b>
<b>15:30 - 16:45</b>	<p><b>Early Career Investigators – Session A</b></p> <p><b>Chair: Merlin Crossley</b> (UNSW Sydney, Australia)</p> <p><b>15:30-15:45 Ivan Ferrer Vicens</b> (University of Bristol, UK) TITLE: TBA</p> <p><b>15:45-16:00 Manan Shah</b> (UNSW Sydney, Australia) <i>The epigenetic reader WDR5 influences genomic localisation of and gene regulation by KLF3</i></p> <p><b>16:00–16:15 Caitlin O’Connor</b> (University of Michigan, USA) TITLE: TBA</p> <p><b>16:15-16:30 Jiuzhou (Jojo) Huo</b> (Cincinnati Children's Hospital Medical Center, USA) <i>Mitochondrial calcium regulated fuel selection and its implications in striated muscle disorders</i></p> <p><b>16:30-16:45 Nikolaos Mylonas</b> (University of Athens, Greece) TITLE: TBA</p> <p><b>16:45-17:00 Linda Baumann</b> (University Hospital Cologne, Germany) TITLE: TBA</p>
<b>17:00-17:15</b>	<b>BREAK</b>
<b>17:15-18:45</b>	<p><b>Early Career Investigators – Session B</b></p> <p><b>Chair: Raul Urrutia</b> (Medical College of Wisconsin, USA)</p> <p><b>17:15-17:30 Ilia Droujinine</b> (Scripps Research, USA) <i>Untangling interorgan communication networks</i></p> <p><b>17:30-17:45 Angela Mathison</b> (Medical College of Wisconsin, USA) TITLE: TBA</p> <p><b>17:45-18:00 Joel Gabre</b> (Columbia University, USA) TITLE: TBA</p> <p><b>18:00-18:15 Kelley Weinfurtner</b> (University of Pennsylvania, USA) TITLE: TBA</p> <p><b>18:15-18:30 Yusuke Watanabe</b> (National Cerebral and Cardiovascular Center Research Institute, Japan) <i>Developmental and reparative function of Klf1 in mouse hearts</i></p> <p><b>18:30-18:45</b> TITLE: TBA</p>
	<b>[ROOM]</b>
<b>18:45 - 19:15</b>	<b>Coffee Break</b>
<b>19:15-20:00</b>	<p><b>Keynote Session</b></p> <p><b>Chairs</b> <b>Jonathan Katz</b>, University of Pennsylvania, USA <b>Konstantinos Drosatos</b>, University of Cincinnati, USA</p> <p><b>Keynote Lecture</b> <b>William C. Hahn</b> (Dana-Farber Cancer Institute, Harvard Medical School, USA) <b>[TITLE]</b> <i>Introduction by Goutham Narla</i></p>
<b>20:30 - 22:30</b>	<b>Opening Dinner</b>

**Day 2: Sunday October 20, 2024**

**ROOM**

**8:30 - 10:10**

**Inflammation & Immunology  
Chairs**  
**Agnieszka Bialowska**, Stony Brook University, USA  
**TBA**

**8:30 – 8:55 Ceshi Chen** (Kunming Medical University, China)  
*TITLE: Post-translational modifications of KLF5 in breast cancer*  
**8:55 – 9:20 Jessica Salmon** (Monash University, Australia)  
*TITLE: TBA*  
**9:20 – 9:45 Marinos Kallikourdis** (Humanitas University, Italy)  
*TITLE: TBA*  
**9:45 – 10:10 Lalitha Nayak** (Cedars Sinai Medical Center, USA)  
*Targeting neutrophils in Immunothrombosis*

**COFFEE BREAK**

**ROOM**

**10:30 - 12:10**

**Development and differentiation  
Chairs**  
**Merlin Crossley**, UNSW Sydney, Australia  
**Terry Yamaguchi**, National Cancer Institute, NIH, USA

**10:25 – 10:50 Terry Yamaguchi (National Cancer Institute, NIH, USA)**  
*TITLE: TBA*  
**10:50 – 11:15 Andrew Perkins** (Monash University, Australia)  
*TITLE: TBA*  
**11:15 – 11:40 Klaus H. Kaestner** (University of Pennsylvania, USA)  
*TITLE: TBA*  
**11:40 – 12:05 Sandeep Mallipattu** (Stony Brook University, USA)  
*TITLE: TBA*  
**12:05 – 12:30 Mattia Quattrocelli** (Cincinnati Children's Hospital Medical Center, USA)  
*Circadian-specific glucocorticoids unveil a critical GR-KLF15 interplay in clock and fuel control*

**LUNCH BREAK**

**ROOM**

**13:00 – 13:45**

**Cutting edge methodologies in Systems Biology  
Chair**  
**Angela Mathison** (Medical College of Wisconsin, USA)

**13:00 – 13:15 Michael Zimmermann** (Medical College of Wisconsin, USA)  
*Computational Structural Genomics: A Transformational Approach for Biology and Medicine*  
**13:15 – 13:30 Mingxia Gu** (Cincinnati Children's Hospital Medical Center)  
*Organ in a dish: Using organoids to understand human diseases*  
**13:30- 13:45 Georgios Pavlopoulos** (Biomedical Sciences Research Center "Alexander Fleming", Greece)  
*TITLE: TBA*

**ROOM**

<b>14:00 - 15:40</b>	<p><b>Regeneration and repair</b></p> <p><b>Chairs</b>  <b>Joel Gabre</b>, Columbia University, USA  <b>Ichiro Manabe</b>, Chiba University, Japan</p> <p><b>14:00 – 14:25 Sarah E. Millar</b>, (Mount Sinai School of Medicine, USA)  <i>Mechanisms coordinating hair follicle stem cell quiescence and activation</i></p> <p><b>14:25 – 14:50 Kazu Kikuchi</b> (National Cerebral and Cardiovascular Center, Japan)  <i>KLF-mediated cardiac muscle regeneration mechanisms</i></p> <p><b>14:50 – 15:15 Susmita Sahoo</b> (Mount Sinai School of Medicine, USA)  <i>TITLE: TBA</i></p> <p><b>15:15 – 15:40 Konstantinos Hatzistergos</b> (Aristotle University of Thessaloniki, Greece)  <i>Heartbeats and Tailwinds: Navigating the crossroads of heart development and regeneration</i></p>
<b>COFFEE BREAK</b>	
<b>ROOM</b>	
<b>16:00 – 17:40</b>	<p><b>Cellular senescence and aging</b></p> <p><b>Chairs</b>  <b>Rosalie Simmen</b> (University of Arkansas, USA)  <b>TBA</b></p> <p><b>16:00 – 16:25 Ali J. Marian</b> (University of Texas at Houston, USA)  <i>TITLE: TBA</i></p> <p><b>16:25 – 16:50 John Elrod</b> (Temple University, USA)  <i>TITLE: TBA</i></p> <p><b>16:50 – 17:15 James P. Herman</b> (University of Cincinnati, USA)  <i>TITLE: TBA</i></p> <p><b>17:15 – 17:40 Jin-Tang Dong</b> (Southern Univ. of Science &amp; Technology, China)  <i>TITLE: TBA</i></p>
<b>19:30 - 21:30</b>	<b>Dinner</b>

**Day 3: Monday October 21, 2024**

**ROOM**

**8:30 - 10:10**

**Metabolism  
Chairs**

**Kate Quinlan**, UNSW Sydney, Australia

**Paschalis-Thomas Doulias**, University Research Center of Ioannina, Greece

**8:30 – 8:55 Aleksandra Trifunovic** (University of Cologne, Germany)

*Role of KLF/SP family members as regulators of mitochondrial stress responses*

**8:55 – 9:20 Ma Dong** (Hebei Medical University, China)

*KLFs and glucose metabolism*

**9:20 – 9:45 Themis Alissafi** (Biomedical Research Foundation, Academy of Athens, Greece)

*TITLE: TBA*

**9:45 – 10:10 Adam Wende** (University of Alabama at Birmingham, USA)

*TITLE: TBA*

**COFFEE BREAK**

**ROOM**

**10:30 - 12:10**

**Systems Biology**

**Chairs**

**Jonathan Katz**, University of Pennsylvania, USA

**Frank Simmen**, University of Arkansas

**10:30 – 10:55 Mark Kahn**, University of Pennsylvania, USA

*TITLE: TBA*

**10:55 – 11:20 Daniel Lacorazza** (Baylor College of Medicine, USA)

*Pharmacological inhibition of KLF4 targets in leukemia*

**11:20 – 11:45 Laura Zelarayán** (University Medical Center Göttingen & Justus-Liebig-Universität Gießen)

*Restoration of endogenous transcription factor activity by CRISPRa to prevent cardiac failure*

**11:45 – 12:10 Carolina Greco** (Humanitas University, Milan, Italy)

*Reprogramming of hepatic diurnal rhythms in cardiac hypertrophy*

**LUNCH BREAK**

**ROOM**

**14:00 - 15:40**

**Epigenetics & RNA biology**

**Chairs**

**Arica Beisaw**, Heidelberg University Hospital, Germany

**Gwen Lomberk**, Medical College of Wisconsin, USA

**14:00 – 14:25 James Bieker**, Mount Sinai School of Medicine, USA

*TITLE: TBA*

**14:25 – 14:50 Kate Quinlan**, UNSW Sydney, Australia

*TITLE: TBA*

**14:50 – 15:15 Federica Accornero** (Brown University, USA)

*RNA modification as homeostatic control system*

**15:15 – 15:40 Panos Ntziachristos**, Ghent University, Belgium

*Understanding and targeting transcriptome dysregulation in acute leukemia*

**COFFEE BREAK**

ROOM	
<b>16:00 – 17:40</b>	<p><b>Genomic Sciences</b>  <b>Chairs</b>  <b>Raul Urrutia</b> (Medical College of Wisconsin, USA)  <b>Georgios Pavlopoulos</b> (Biomedical Sciences Research Center "Alexander Fleming", Greece)</p> <p><b>16:00 – 16:25 Ann Harris</b> (Case Western Reserve University, USA)  <i>TITLE: TBA</i></p> <p><b>16:25 – 16:50 Johannes Backs</b> (Heidelberg University, Germany)  <i>HDAC signaling in cardiometabolic disease.</i></p> <p><b>16:50 – 17:15 Scott M Dehm</b> (University of Minnesota, USA)  <i>TITLE: TBA</i></p> <p><b>17:15 – 17:40 Xiaoyun Mao</b> (China Medical University, China)  <i>Functions of KLF5 in the cell cycle and breast cancer cell proliferation</i></p>
<b>18:00 - 18:45</b>	<p><b>The Ryozo Nagai Distinguished Lecture on KLF biology</b>  <b>Chairs</b>  <b>Mona Nemer</b> (Office of the Chief Science Advisor, Canada)  <b>Toru Suzuki</b> (University of Leicester, UK)</p> <p><b>Mukesh K. Jain</b>  <b>Brown University, USA</b>  <i>TITLE: TBA</i>  <i>Introduction by Toru Suzuki</i></p> <p><b><i>Group Photo will be taken at the end of the Session (outside of the conference room)</i></b></p>
<b>19:30 - 23:30</b>	<b>Dinner &amp; Party</b>

**Day 4: Tuesday October 22, 2024**

<b>ROOM</b>	
<b>9:00 – 10:00</b>	<b>Business meeting (by invitation only)</b>
<b>10:00 - 11:40</b>	<b>Translational Therapeutics Chairs</b> <b>William C. Hahn</b> (Dana Farber Cancer Institute, USA) <b>Kelley Weinfurtnr</b> (University of Pennsylvania, USA)  <b>10:00 – 10:25 Goutham Narla</b> (University of Michigan, USA) <i>TITLE: TBA</i> <b>10:25 – 10:50 Anton Bennett</b> (Yale University, USA) <i>Allosteric modulation of MAP kinase phosphatases as therapeutic targets in disease</i> <b>10:50 – 11:15 Walter J. Koch</b> (Duke University, USA) <i>GRKs as Translational Targets for Heart Failure</i> <b>11:15 – 11:40 Toru Suzuki</b> (University of Leicester, UK) <i>TITLE: TBA</i>
<b>11:40</b>	<b>Closing remarks</b>  <b>Conference adjourns</b>  <b>Lunch boxes pick-up</b>
<b>13:00 – 16:00</b>	<b>Tour at the Ancient Delphi site</b>
<b>DEPARTURE to Athens</b>	

Revised  
September 27, 2024September 27, 2024