**Condensed 2009 Weinstein Conference Schedule**

**Thursday May 7th 2009**

1 PM- 6 PM: Registration

1:50 PM: Opening Remarks: Benoit Bruneau and Brian Black

2:00- 3:40 PM: Platform Session I: Progenitors and Lineages (Session Chair: Takashi Mikawa)

2:00-2:20: Establishment of anteroposterior patterning of the cardiac field. Nicolas Bertrand, Lucile Ryckebusch, Karen Niederreither, Pascal Dollé, Mario Capecchi, and Stéphane Zaffran


2:40-3:00: Endothelin type-A receptor expression defines a distinct subdomain within the crescent-forming heart field contributing to chamber myocardium. Rieko Asai, Yukiko Kurihara, Takahiro Sato, Yumiko Kawamura, Hiroki Kobuto, Kazuo Tonami, Yasunobu Uchijima, Yumiko Saga, Sachiko MiyaGawa-Tomita, Hiroki Kurihara

3:00-3:20: Lineage specific roles for GATA in Ciona intestinalis heart development. Katerina Ragkousi, Sarah Sweeney and Brad Davidson

3:20-3:40: Early events in myocardial progenitor development in the zebrafish embryo. Ian C. Scott, Sivani Paskaradevan, Bilge Yoruk and Xin Lou

3:40- 4:10 PM: Break

4:15- 6:00 PM: Platform Session II: Stem Cells and Cardiac Regeneration (Session Chair: Maurice van den Hoff)

4:15-4:35: The Secondary Heart Field As A Model To Study Cardiogenic Stem Cells. Mary Redmond Hutson, Andrew J. Kim, Margaret L. Kirby


4:55-5:15: A Regulatory Pathway Involving Notch1β-Catenin/Isla1 Determines Cardiac Progenitor Cell Fate. Chulan Kwon, Li Qian, Paul Cheng, Vishal Nigam, Josh Arnold and Deepak Srivastava

5:15-5:35: Heart induction in mESCs by Nodal/Cripto Involves Cerberus. Wenqing Cai, Rosa Guzzo, and Mark Mercola


6:00- 7:30 PM: Reception

7:30- 8:45 PM: Keynote Presentation - Stuart Orkin 'Transcriptional control in stem cells'
Friday May 8th 2009

7:30- 8:30 AM: Continental Breakfast

8:30- 10:10 AM: Platform Session III: Transcriptional Regulation (Session Chair: Anthony Firulli)

8:30-8:50: Control of Cardiac Growth, Differentiation and Hypertrophy by the BAF complex. Calvin T. Hang, Hsiu-Ling Cheng, Miriam Zeini, Kryn Stankunas, Ching Shang, Ching-Pin Chang


9:10-9:30: Thrap1 regulates embryonic development and cardiac function in vivo. Chad E. Grueter, Xiaoxia Qi, John McAnally, Rhonda Bassel-Duby, Eva van Roosj, Eric N. Olson


9:50-10:10: Cardiac zinc-finger transcriptional factor SPALT-like (Sall) modulating chromatin/histone remodelers regulates cardiomyocyte proliferation and inhibits progressive cardiac hypertrophy. Koshiba-Takeuchi K., Sakai Y., Katou E. and Takeuchi J.K.

10:10- 10:40 PM: Break

10:45-12:25 PM: Platform Session IV: Posttranscriptional and Epigenetic Regulation (Session Chair: Michiko Watanabe)

10:45-11:05: mir-451 regulates multiple processes in vasculogenesis/angiogenesis, hematopoiesis and cardiogenesis. Ye Tao, Kathy Ivey, Deepak Srivastava, Robert Schwartz


11:45-12:05: The role of a RNA helicase in cardiac development and function. Ronald L. Nepp, Hee Young Seok, Mariko Tatsuuchgi, Suk-Won Jin, and Da-Zhi Wang


12:30- 1:30 PM: Box Lunch/Business meeting

1:30-3:00 PM: Concurrent Workshops I

*1. Cardiac Regeneration (Session Chair: Kersti Linask)

Paul Riley: 'Educating the epicardium to mend a broken heart'

Jay Schneider (UTSW) 'Small molecules that enhance native epicardial regeneration/repair'

Ellen Lien (UCLA) 'PDGF signaling is required for epicardial functions and new blood vessel formation during zebrafish heart regeneration'

*2. MicroRNAs (Session Chair: Katherine Yutzey)

Eric Olson (UTSW) 'MicroRNA Control of Muscle Disease'

Deepak Srivastava (Gladstone/UCSF) 'MicroRNA Regulation of Cardiac Cell Fate and Morphogenesis'

Da-Zhi Wang (UNC) 'Taking microRNAs to heart'

3:00- 3:30 PM: Break

3:35- 5:15 PM: Platform Session V: Signaling in Cardiovascular Lineages (Session Chair: Anne Moon)

3:35-3:55: Retinoic Acid Regulates Differentiation of the Secondary Heart Field and TGFb-Mediated Outflow Tract Septation. Peng Li, Mohammad Pashmforoush, and Henry M. Suzov

3:55-4:15: Investigation Of Hippo-Signaling In Cardiac Progenitors. Todd R. Heallen, Randy L. Johnson, Daniel S. Wagner, and James F. Martin

4:15-4:35: Developmental Downregulation of Chordin in the Notochord is Required for Fusion of the Dorsal Aorta. Robert J. Garrick, Catherine Czeisler, Takashi Mikawa

4:35-4:55: Wnt2a controls morphogenesis of the posterior pole of the vertebrate heart. Ying Tian, Ashley Goss, Lilun Yuan, Zhishan Wang, Tao Wang, Jifu Yang, Ethan D. Cohen and Edward E. Morrisey

5:15- 7:30 PM: Poster Session I (odd numbered posters are manned)

Dinner on your own
Saturday May 9th 2008

7:30-8:30 AM: Continental Breakfast

8:15-9:55 AM: Platform Session VI: Vessels and Valves (Session Chair: Adriana Gittenberger de Groot)

8:15-8:35: A transcriptional code necessary and sufficient for vascular development and prediction of endothelial enhancers


8:35-8:55: Etsrp/Etv2 and Hh function is required for the endocardium formation in zebrafish

Kuan Shen Wong, Sharina Palencia Desai, Kira Proulx, Juli Uhl, Paulius Sumanas

8:55-9:15: Arterial/Venous Segregation by Selective Cell Sprouting: A Novel Mode of Blood Vessel Formation

Shane P. Herber, Jan Huiskes, Tyson N. Kim, Momi E. Feldman, Kevan M. Shokat, Rong A. Wang, Didier Y. R. Stainier

9:15-9:35: Wnt signaling in valve development and osteogenic gene induction

Christina M. Alfieri, Jonathan Cheek, Santanu Chakraborty, and Katherine E. Yutzey

9:35-9:55: Notch and myocardial signals regulate a cardiac valve-forming field

José Luis de la Pompa, Luis Luna-Zurita, Joaquín Grego-Bessa, Belén Prados, Gonzalo del Monte, Guillermo Luxán, Ralf H. Adams, and José María Pérez-Pomares

9:55-10:25 AM: Break

10:30-12:10 PM Platform Session VII: Migration and Mechanics (Session Chair: Joe Yost)

10:30-10:50: The role of hemodynamic force in regulating endothelial cell migration for proper vascular remodeling

Ryan S. Udan, and Mary E. Dickinson

10:50-11:10: Computational Biology of Vascular Cell Behavior

Rusty Lansford, Yuki Sato, Greg Poynter, David Huss, Mike B. Filla1, Brenda Rongish1, Scott Fraser, and Charles D. Little

11:10-11:30: Probing Heart Function in Model Systems with Small Hearts

Karen Ocor, Carles Callol, Juan Carlos Isipizua-Belmonte, Pilar Ruiz-Lozano, and Rolf Bodmer

11:30-11:50: Disruption of electrical cardiac conduction leads to dysregulation of cardiac morphogenesis

Neil C. Chi, Markus Bussen, Koroboshka Brand-Azzamendi, Chunhua Ding, Jeffrey E. Olgin, Gail R. Martin, Robin M. Shaw and Didier Y.R. Stainier

11:50-12:10: KikGR a photoconvertible green-to-red fluorescent protein for live cell labeling and lineage analysis in mouse ES cells and embryos

Sonja Nowotschin and Kat Hadjantonakis

12:15-1:15 PM Box Lunch/Opportunities and Resources Workshops

1:15-1:25 Presentation for Weinstein 2010 Amsterdam

1:30-3:00 PM Concurrent Workshops II

*3. Stem Cells and Progenitors (Session Chair: Ray Runyan)

Mark Mercola (Burnham) 'A Chemical Genomics Strategy for Generating Cardiac Myocytes'

Sean Wu (Harvard/MGH) 'Turning Skin into Heart: Cardiac Progenitor Cells from Induced Pluripotent Cells'

Andrea Münsterberg 'Wnt3a/RhoA mediated chemo-repulsion controls movement patterns of cardiac progenitor cells'

*4. Heart Fields and Lineages (Session Chair: James Martin)

Deborah Yelon (UCSD) 'Regulation of heart size through definition of a cardiac progenitor pool in zebrafish'

Vincent Christoffels (Amsterdam) 'The origin of the conduction system'

Robert Kelly (Marseille) 'Identification of Hes1 as a regulator of second heart field development'

3:15-5:35 PM Poster Session II (even numbered posters being manned)

6:00-10:00 PM Banquet at the Carnelian Room