Wednesday, November 12, 2014
The Starr Conference Center, 185 Cambridge Street, Boston, MA

Organized by: Nathan Lawson, Ph.D., Program in Gene Function and Expression, University of Massachusetts Medical School

8:00-8:30 Registration

Session 1. Signaling and epigenetic control of Angiogenesis
Moderator: Andrius Kazlauskas
8:45 Endothelial Phenotypes in Health and Disease
William Aird
BIDMC, Center for Vascular Biology Research

9:05 Emerging Roles of Posttranslational Modifications in VEGFR-2 Signaling and Angiogenesis
Nader Rahimi
Boston University

9:25 MiR-26a-mediated control of pathological and physiological angiogenesis
Mark Feinberg
Brigham and Women’s Hospital

9:45 Epigenetic regulation of angiogenesis
William Pu
Children’s Hospital

Session 2. Developmental Angiogenesis
Moderator: Nathan Lawson
10:10 Temporal dynamics of vascular patterning
Katie Bentley
BIDMC, Center for Vascular Biology Research

10:30 Mechanisms of pharyngeal arch artery development
Caroline Burns
MGH/CVRC

10:50 Along CNS vascular networks – A journey of surprises
Anju Vasudevan
McLean Hospital

11:20-11:40 Break

Session 3. Physiological and therapeutic angiogenesis
Moderator: Guillermo Garcia-Cardena

11:40 Cellular and biomechanical basis for integrated endothelial form and function
Christopher Carman
BIDMC, Center for Vascular Biology Research

12:00 Human circulating endothelial colony-forming cells in tissue engineering and regenerative medicine
Juan Melero-Martin
Children’s Hospital

12:20 Exercise-induced angiogenesis and adipose tissue formation
Silvia Corvera
University of Massachusetts Medical School

12:45-2:00 Lunch

Session 4. Tumor angiogenesis
Moderator: Jack Lawler

2:00 Matrix Metalloprotease Signaling in Tumor Angiogenesis
Athan Kuliopoulos
Tufts Medical Center

2:40 Formation of lymph node metastases is not angiogenesis dependent
Timothy Padera
MGH/Steele Laboratory for Tumor Biology

3:00 Anti-angiogenic strategies for the treatment of renal cell cancer
Rupal Bhatt
BIDMC/DFCC

3:20 Interactions between anti-angiogenics and cancer therapeutic drugs
David Waxman
Boston University

3:50 Keynote
Ananth Karumanchi
“Preeclampsia - An Anti-angiogenic State”

5:00-7:00 Reception