



## **OBJECTIVES AND AGENDA**

Date: January 19-21, 2012

Willard InterContinental Hotel, Washington, DC

Chairs: Drs. Richard C. Becker, Susan S. Smyth, and Harold L. Dauerman

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### **OVERARCHING THEMES**

#### **Overarching Themes:**

The overarching theme for the 7<sup>th</sup> Platelet Colloquium is the translation of fundamental platelet biology and platelet antagonist pharmacology to safe and effective patient care. To this end, platelet biology and imaging will provide the platform for scholarly discussions devoted to trans-catheter cardiac procedures, clinical trials and early safety profiling in drug development.

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### **OBJECTIVES**

**Objective 1:** Discuss the evolving field of platelet epigenetics, regulation and imaging as pivotal areas for understanding and translating platelet biology.

**Objective 2:** Discuss the emerging practice of trans-catheter cardiac procedures and the contributing role of platelets to their success and complications.

**Objective 3:** Highlight recent phase 2 and 3 clinical trials of platelet antagonists and discuss future strategies for employing molecular technologies toward safety profiling in early drug development.

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### **AGENDA**

#### **Thursday, January 19, 2012**

7:00 – 9:00 pm

Evening Reception and Dinner

*The Nest Lounge  
Mezzanine Level*

## Friday, January 20, 2012

7:00 – 7:45 am      **Breakfast**      *Buchanan Room  
Lower Level*

7:45 am – 5:00 pm      Meeting      *Pierce Room  
Lower Level*

7:45 – 8:00 am      Introduction  
**Harold Dauerman, MD**  
University of Vermont

### Session I: Molecular Biology, Platelet Regulation and Imaging

8:00 – 8:20 am      The Role of MicroRNAs in Vascular Remodeling  
**Eric Small, PhD**  
University of Rochester Department of Medicine

8:20 – 8:35 am      Discussion

8:35 – 8:55 am      Inhibition of Thrombosis by Dendrimer PAMAM G-3  
**Shashank Jain, PhD**  
Duke University Medical Center

8:55 – 9:10 am      Discussion

9:10 – 9:30 am      Optical Coherence Tomography  
**Marco Costa, MD, PhD**  
Case Western Reserve University

9:30 – 9:45 am      Discussion

**9:45 – 10:10 am      Break**

### Session II: Platelet Biology and Transcatheter Aortic Valve Procedures

10:10 – 10:30 am      Emerging Data on Trans-catheter Aortic Valve Replacement  
**Mauricio G. Cohen, MD**  
University of Miami Miller School of Medicine

10:30 – 10:45 am      Discussion

10:45 – 11:05 am      Peri-procedural TAVI Bleeding Complications: Mechanical and Pharmacologic Approaches  
**Jeffrey J. Popma, MD**  
Harvard Clinical Research Institute

11:05 – 11:20 am      Discussion



## **Saturday, January 21, 2012**

7:00 – 8:00 am      **Breakfast**      *Buchanan Room  
Lower Level*

8:00 – 11:00 am      Meeting      *Pierce Room  
Lower Level*

### **Session IV: Early Career Investigators**

8:00 – 8:10 am      Early Career Investigator Presentation: The Contribution of Platelet Mitochondria to Thrombosis  
**Lea Beaulieu, PhD**  
University of Massachusetts Medical Center

8:10 – 8:20 am      Discussion

8:20 – 8:30 am      Early Career Investigator Presentation: Development of Protamine Heparin Antibodies in Patients after Cardiopulmonary Bypass  
**Grace Lee, MD**  
Duke University

8:30 – 8:40 am      Discussion

8:40 – 8:50 am      Funding, Collaboration and Medical Society Opportunities for Early Career Investigators  
**Susan S. Smyth, MD, PhD**  
University of Kentucky

8:50 – 9:00 am      Discussion

### **Session V: Early Safety Signals in Drug and Device Development**

9:00 – 9:25 am      Phase O (Micro-dosing) Studies  
**Richard C. Becker, MD**  
Duke University Medical Center

9:25 – 9:40 am      Discussion

9:40 – 10:05 am      Deep Sequencing to Probe Drug Toxicity  
**Svati H. Shah, MD, MHS**  
Duke University Medical Center

10:05 – 10:20 am      Discussion

10:20 – 10:50 am      Future Research Directions: Moving the Field Forward  
**Group**

10:50 – 11:00 am      Summary and Closing Remarks  
**Harold L. Dauerman, MD**  
University of Vermont