

# 4th Annual Conference on Arteriosclerosis, Thrombosis and Vascular Biology

May 8–10, 2003

## Wednesday, May 7

4:00 PM–8:00 PM

Registration

## Thursday, May 8

7:00 AM–8:00 AM

Registration

Continental Breakfast

## Plenary Session I

8:00 AM–9:45 AM

Conference Opening Welcome

Linda K. Curtiss, La Jolla, CA

**Nuclear Hormone Receptors, Inflammation and Atherosclerosis**

Christopher K. Glass, La Jolla, CA

**Genetics, Insulin Resistance and Atherosclerosis**

Robert A. Hegele, London, ON

Refreshment Break

## Concurrent Session I

10:00 AM–11:45 AM

Session A

Cellular Lipid Trafficking

**Concentration of Scavenger Receptor BI in Microvillar Extensions Suggests a Role for this Plasma Membrane Domain as a Way Station for Cholesterol Trafficking between HDL and Cells**

David L. Williams, Stony Brook, NY

Oral Abstract Presentations

**The Niemann-Pick Disease Genes: Regulators of Cellular Cholesterol Homeostasis**

Daniel S. Ory, St. Louis, MO

Session B

Cell-cell and Cell-matrix Interactions

**Fascin Protrusions in Cell Interactions**

Josephine C. Adams, Cleveland, OH

Oral Abstract Presentations

**Thrombin Signaling and Phenotypic Modulation of the Endothelium**

William C. Aird, Boston, MA

Session C

Platelet Biology and Signaling

**Transgenic Models for Altering Platelet Thrombogenicity Through Ectopic Protein Expression**

Mortimer Poncz, Philadelphia, PA

Oral Abstract Presentations

**CIB, PAK1, Small G-Proteins and Platelets**

Leslie V. Parise, Chapel Hill, NC

Lunch break on your own

**ATVB Women's Leadership Committee Luncheon**

*Separate registration and ticket required*

## Plenary Session II

1:30 PM–3:15 PM

**Platelets in Inflammation and Thrombosis**

Denisa D. Wagner, Boston, MA

**Signaling Events in Vascular Remodeling and Angiogenesis**

David A. Cheresh, La Jolla, CA

**Unraveling the Molecular Mechanisms of Insulin Resistance**

Gerald I. Shulman, New Haven, CT

Refreshment Break

## Concurrent Session II

3:30 PM–5:15 PM

### Session A

Leukocyte Biology in Atherosclerosis

Macrophage Functions and Atherogenesis

MacRae F. Linton, Nashville, TN

Oral Abstract Presentations

Modulation of Atherogenesis by Chemokines

William A. Boisvert, La Jolla, CA

### Session B

Thrombosis and Thrombolysis

Hyperfibrinogenemia and Thrombosis: A Cause-Effect Analysis in Mice

Hartmut Weiler, Milwaukee, WI

Oral Abstract Presentations

Neuroserpin and tPA in Cerebral Ischemia: The Dynamic Duo

Daniel A. Lawrence, Derwood, MD

### Session C

Obesity and Diabetes

TBD

Robert H. Eckel, Denver, CO

Oral Abstract Presentations

Diet and Physical Activity in the Prevention and Treatment of Obesity

James O. Hill, Denver, CO

## Poster Session I No-Host Reception

5:30 PM–7:30 PM

Friday, May 9

7:00 AM–8:00 AM

Registration

Continental Breakfast

## Plenary Session III

8:00 AM–9:45 AM

Irvine H. Page Young Investigator Research Awards Competition

Young Investigator Prizes in Thrombosis Competition

Hormone Replacement Therapy. Where Do We Stand?

Hormone Replacement Therapy-Results from the Women's Health Initiative

Barbara V. Howard, Washington, DC

A View from the Old Country: Are There Any HRT Benefits After WHI?

Tomi Mikkola, Helsinki, Finland

Refreshment Break

## Concurrent Session III

10:00 AM–11:15 AM

### Session A

Mechanisms of Atherosclerosis

Determinants of Plaque Stability: The Balance Between Fibrosis and Inflammation

Ester Lutgens, Maastricht, Netherlands

Oral Abstract Presentations

Angiotensin II Mediated Development of Vascular Diseases

Alan Daugherty, Lexington, KY

### Session B

Vascular Cell Differentiation and Angiogenesis

Progesterone Receptor Activation in Endothelial Cells. Insights from Transgenic Animal Models

Luisa Iruela-Arispe, Los Angeles, CA

Oral Abstract Presentations

Genomico-Bioinformatic Approaches to the Study of Smooth Muscle Cell Differentiation

Joseph M. Miano, Rochester, NY

### Session C

Nutrition and Physical Activity

Dietary Fats that Promote Increased Size and Cholesteryl Oleate Content of LDL are Atherogenic

Lawrence L. Rudel, Winston-Salem, NC

## Oral Abstract Presentations

### Role of Adipocyte Hormones and Dietary Macronutrients in the Regulation of Energy Homeostasis and Lipid Metabolism

Peter J. Havel, Davis CA

Lunch break on your own

## Plenary Session IV

1:30 PM–3:15 PM

### Jeffrey M. Hoeg Arteriosclerosis, Thrombosis and Vascular Biology Award for Basic Science and Clinical Research Lecture: Mechanisms Linking Vascular Calcification and Osteoporosis

Linda L. Demer, Los Angeles, CA

### Role of Stearoyl-CoA Desaturase in Lipid Metabolism

James M. Ntambi, Madison, WI

### Protein-protein Interactions that Define Integrin Signaling in Platelets and Megakaryocytes

Sanford J. Shattil, La Jolla, CA

Refreshment Break

## Concurrent Session IV

3:30 PM–5:15 PM

### Session A

#### Lipoprotein Metabolism

### Exploring the Molecular Pathways of HDL Subfraction Metabolism Using Transgenic Mice

John S. Parks, Winston-Salem, NC

Oral Abstract Presentations

### The Distinct Roles of Endothelial Lipase and Hepatic Lipase on HDL Metabolism

Kerry Ann Rye, Adelaide, Australia

### Session B

#### Cell Signaling, Cycle Control and Gene Expression

### Nitric Oxide at the Interface of Vascular Signaling and Function

William C. Sessa, New Haven, CT

Oral Abstract Presentations

## Atheroprotective Mechanisms of Steady Blood Flow

Bradford C. Berk, Rochester, NY

### Session C

#### Control of Coagulation

### Developing Novel Antidote-controlled Coagulants

Bruce A. Sullenger, Durham, NC

Oral Abstract Presentations

### Phenotypic Characterization of Mice with FVII Insufficiency

Elliot D. Rosen, Notre Dame, IN

## Poster Session II No-Host Reception

5:30 PM–7:30 PM

## Council Dinner

7:30 PM–9:30 PM

*Ticket required*

## Saturday, May 10

7:00 AM–8:00 AM

Registration

Continental Breakfast

## Poster Session III

8:00 AM–10:00 AM

## Plenary Session V

10:00 AM–12:15 PM

### Vascular Potential of Adult Stem Cells

Karen K. Hirschi, Houston, TX

### Vascular Development

Paul M. Kulesa, Kansas City, MO

### Lipid Rafts

Eric J. Smart, Lexington, KY

Presentation of Women's Leadership Awards

# Program Schedule

	Thursday, May 8			Friday, May 9			Saturday, May 10
<b>8:00–9:45</b>	<b>Plenary Session I</b> <i>Conference Opening</i> <i>Nuclear Hormone Receptors, Inflammation and Atherosclerosis</i> <i>Genetics, Insulin Resistance and Atherosclerosis</i>			<b>Plenary Session III</b> <i>Irvine H. Page Young Investigator Research Awards Competition</i> <i>Young Investigator Prizes in Thrombosis Competition</i> <i>Hormone Replacement Therapy. Where Do We Stand?</i> <i>A View from the Old Country: Are there any HRT Benefits after WHI?</i>			<b>Poster Session III</b>
<b>10:00–11:45</b>	<b>Concurrent Session IA</b> <i>Cellular Lipid Trafficking</i>	<b>Concurrent Session IB</b> <i>Cell-cell and Cell-matrix Interactions</i>	<b>Concurrent Session IC</b> <i>Platelet Biology and Signaling</i>	<b>Concurrent Session IIIA</b> <i>Mechanisms of Atherosclerosis</i>	<b>Concurrent Session IIIB</b> <i>Vascular Cell Differentiation and Angiogenesis</i>	<b>Concurrent Session IIIC</b> <i>Nutrition and Physical Activity</i>	<b>Plenary Session V</b> <i>Vascular Potential of Adult Stem Cells</i> <i>Vascular Development</i> <i>Lipid Rafts</i> <i>Presentation of Women's Leadership Awards</i>
<b>11:45–1:30</b>	<b>Lunch on your own</b> <b>Women's Leadership Committee Luncheon</b> <i>Ticket required</i>			<b>Lunch on your own</b>			<b>Closing Remarks</b> <b>Adjourn</b>
<b>1:30–3:15</b>	<b>Plenary Session II</b> <i>Platelets in Inflammation and Thrombosis</i> <i>Signaling Events in Vascular Remodeling and Angiogenesis</i> <i>Unraveling the Molecular Mechanisms of Insulin Resistance</i>			<b>Plenary Session IV</b> <i>Jeffrey M. Hoeg</i> <i>Atherosclerosis, Thrombosis and Vascular Biology Award for Basic Science and Clinical Research Lecture</i> <i>Role of Stearoyl-CoA Desaturase in Lipid Metabolism</i> <i>Protein-protein Interactions that Define Integrin Signaling in Platelets and Megakaryocytes</i>			
<b>3:30–5:15</b>	<b>Concurrent Session IIA</b> <i>Leukocyte Biology in Atherosclerosis</i>	<b>Concurrent Session IIB</b> <i>Thrombosis and Thrombolysis</i>	<b>Concurrent Session IIC</b> <i>Obesity and Diabetes</i>	<b>Concurrent Session IVA</b> <i>Lipoprotein Metabolism</i>	<b>Concurrent Session IVB</b> <i>Cell Signaling, Cycle Control and Gene Expression</i>	<b>Concurrent Session IVC</b> <i>Control of Coagulation</i>	
<b>5:30–7:30</b>	<b>Poster Session I</b>			<b>Poster Session II</b>			
<b>7:30–9:30</b>				<b>Council Dinner</b> <i>Ticket required</i>			