

# Vasculata 2009 Meeting Program

**VASCULATA** is a summer course that promotes the study of vascular biology. It is designed to present an overview of the field and future areas of active research. Individuals with little or no background in vascular biology are encouraged to attend, and current trainees in the field and all interested individuals are invited to participate. This includes students (under-graduates, graduate students, medical students), trainees (postdocs, research fellows, residents) and others (junior and senior faculty).

## WORKSHOPS:

One-day hands-on workshops will be offered on July 28. Participants should choose only one and there is an additional fee of \$100. Workshops will be offered in the following areas:

- Isolation and functional assays using vascular cells
- Angiogenesis models: hind limb ischemia, tumor and wound angiogenesis
- MicroCT analysis of vasculature
- Mouse models in atherosclerosis research

## ABSTRACTS/POSTERS (deadline July 1):

Attendees are encouraged to submit an abstract, but it is not required. Abstracts will be accepted electronically. Go to the web site for topics, guidelines, etc: [www.navbo.org/event/vasculata](http://www.navbo.org/event/vasculata)

## SCHOLARSHIPS:

Scholarships will be awarded on an as needed basis. The number and value of the scholarships are unknown at this time. Only electronic submissions will be accepted. Go to [www.navbo.org/event/vasculata](http://www.navbo.org/event/vasculata), scroll to the bottom for more information and to submit your application.

In addition to your contact information, the following will be required:

- An explanation of why you are interested in attending Vasculata (word or pdf document), including a listing of the financial resources available to you from your institution (lab or department)
- A letter from your supervisor supporting your application (this is a second word or pdf document)

The deadline for submission of applications is July 1, 2009.

## HOUSING:

Housing will be available on the campus of Case Western Reserve University. Please see the web site for details.

## REGISTRATION:

Please use the form on the reverse side or register online at: [www.navbo.org/event/vasculata](http://www.navbo.org/event/vasculata)

## TUESDAY, JULY 28

**8:30am to 4:00pm**

Practical workshops (additional registration required)

**4:30pm**

**Keynote Lecture:**

*Integrin Activation Mechanisms on Vascular Cells*

Edward Plow, Cleveland Clinic

**Reception to follow**

## WEDNESDAY, JULY 29

**The Basics of Vascular Biology**

**9:00 to 11:00am**

*TNF activation of endothelium*

Paul DiCorleto, Cleveland Clinic

*Regulation of vascular precursors in the embryonic epicardium,*

Michiko Watanabe, Case Western Reserve University

*Cancer stem cells in tumor angiogenesis*

Jeremy Rich, Cleveland Clinic

**11:00am to 12:30pm** - Group discussions

**12:30 to 1:30pm** - Lunch on your own

**1:30 to 4:30pm**

*Anti-angiogenic strategies*

Brian Rini, Taussig Cancer Institute

*Mechanisms of angiogenesis and endothelial receptors*

Tatiana Byzova, Cleveland Clinic

*Mechanisms of atherosclerosis*

Roy Silverstein, Cleveland Clinic

*Regulation of vascular gene expression by glucose*

Olga Stenina, Cleveland Clinic

**5:00 to 6:00 pm** - Group discussions

**Evening** - Poster presentations

## THURSDAY, JULY 30

**The Vessel Wall, Atherothrombosis and Shear Stress**

**9:00 to 11:00am**

*Endothelium and shear*

Martin Schwartz, University of Virginia

*Inflammation in atherosclerosis progression*

Martha Cathcart, Cleveland Clinic

*Monocytes and vascular pathologies*

Stephen Schwartz, University of Washington

**11:00am to 12:30pm** - Group discussions

**12:30 to 1:30pm** - Lunch on your own

**1:30 to 4:30pm**

*Vasculature and inflammation*

Mukesh Jain, Case Western Reserve University

*Bioactive lipids and atherothrombosis*

Eugene Podrez, Cleveland Clinic

*Role of inflammation in atherosclerosis and atherothrombosis*

Maria Febbraio, Cleveland Clinic

**5:00 to 6:00 pm** - Group discussions

**Evening** - Poster presentations

## FRIDAY, JULY 31

**Regeneration of Vasculature and Therapeutic approaches**

**9:00 to 11:00am**

*Regenerative biology: Arteriogenesis*

Michael Simons, Yale University School of Medicine

*Stem cells and revascularization*

Marc Penn, Cleveland Clinic

*Inflammatory cells*

Gary Gibbons, Morehouse School of Medicine

**11:00am to 12:30pm** - Group discussions

**12:30 to 1:30pm** - Lunch on your own

**1:30 to 3:00pm**

*Integrins and growth factor receptors as therapeutic targets*

Jorge Garcia, Cleveland Clinic

*Ocular vasculature*

Bela Anand-Apte Cole Eye Institute, Cleveland Clinic

**3:30pm** - Closing remarks

**Evening** - Reception

*Each session includes breakouts with faculty group leaders*

## Registration

Indicate the appropriate registration fee:

- Undergraduate \$50
- NAVBO Trainee Member \$125
- Non-Member Trainee \$200  
Students, post-docs, research fellows, etc.
- Other (faculty, etc.) \$300
- Hands-on Workshop (choose one)** addl. \$100
  - Isolation and functional assays
  - Angiogenesis models
  - MicroCT analysis of vasculature
  - Mouse models in atherosclerosis research



Registration includes reception, coffee breaks and picnic on Friday

Name/Degree \_\_\_\_\_

Department \_\_\_\_\_

Institution \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

City, State, Postal Code, Country \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

Special Needs - Dietary; Handicap Accessibility \_\_\_\_\_

### Method of Payment:

- Check – Payable to NAVBO
- MasterCard
- Visa
- American Express

Credit Card # \_\_\_\_\_ Exp. date \_\_\_\_\_

Signature (of credit cardholder) \_\_\_\_\_

Name on credit card if different from registrant \_\_\_\_\_

Address on credit card statement if different from above \_\_\_\_\_

### Send your payment and registration form to:

NAVBO, 18501 Kingshill Road, Germantown, MD 20874-2211  
or fax credit card payments to: (301) 540-6903

**Cancellation Policy:** Cancellations received by written notification through July 15, 2009 will receive a refund (less a \$25 processing fee). No refunds will be given after July 15.

# Summer Course in Vascular Biology

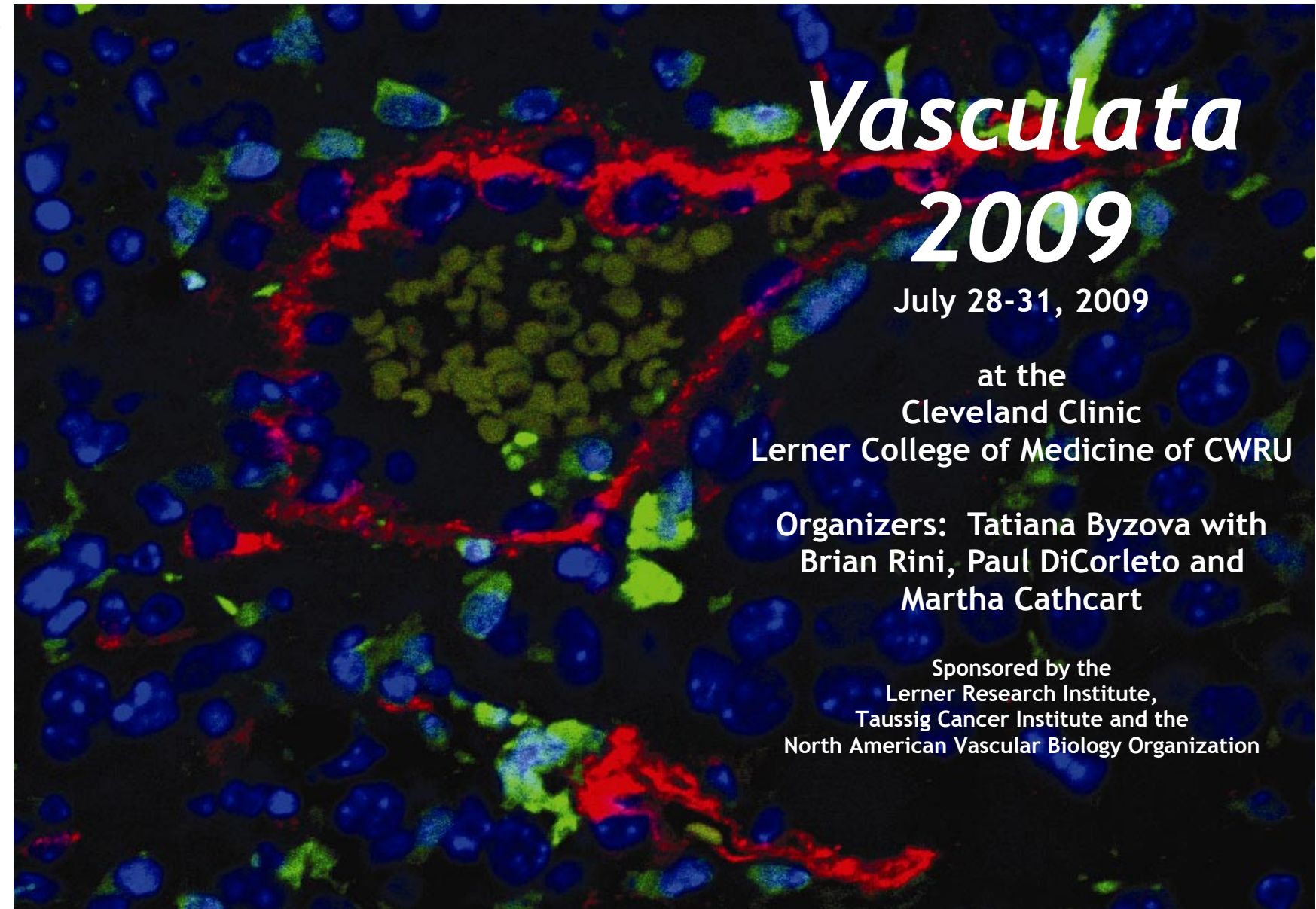
# Vasculata 2009

July 28-31, 2009

at the  
Cleveland Clinic  
Lerner College of Medicine of CWRU

Organizers: Tatiana Byzova with  
Brian Rini, Paul DiCorleto and  
Martha Cathcart

Sponsored by the  
Lerner Research Institute,  
Taussig Cancer Institute and the  
North American Vascular Biology Organization



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