



11TH WORLD CONGRESS FOR MICROCIRCULATION

*Microcirculation in health and disease.
Emerging research and technologies.*

Symposium submission deadline: May 30, 2017

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www.wcm2018.org  @2018WCM  @WCM2018

September 9th – 13th, 2018

Sheraton Wall Centre, Vancouver, BC, Canada

Call for 2018 WCM Symposia on Now!

11th WCM Program

The 11th World Congress for Microcirculation is being held in Vancouver, Canada September 9-13, 2018, and will be comprised of two keynote lectures, 30 scientific symposia, and three poster sessions. Our goal is to highlight leading research in the microcirculatory field and to showcase early career investigators.

We are currently soliciting symposia submissions using the following broad thematic areas:

- 1) *Tone Regulation, Oxygen Transport and Blood Flow Control;*
- 2) *Angiogenesis and Remodeling;*
- 3) *Inflammation, Injury, Oxidative Stress and Immunology;*

- 4) *Lymphatics, Permeability, Cell Surface Interactions;*
- 5) *Bioengineering, Computational Analysis and Instrumentation; and*
- 6) *Emerging Areas of Translational Microcirculation.*

The preferred symposium format is a hybrid design with two invited speakers (starting and ending each session) and 2-3 speakers selected from submitted abstracts. Invited speakers will present new, up-to-date research, and early career investigators must be incorporated into the symposium sessions.

Each session (two hr duration) will be moderated by a chair involved in the field of interest. The typical hybrid session will begin with one invited talk (25 minutes with 10 minutes' discussion), followed by two or three 10 minute presentations (5 minutes' discussion) selected from abstracts. The session will end with another invited talk (25 minutes with 10 minutes' discussion). This format is modifiable depending on certain limitations, as explained online. **More information and sponsorship form: www.wcm2018.org.**

Keynote Speakers



Dr. Sussan Nourshargh, Queen Mary University London

The principal objective of Dr. Nourshargh's research is to investigate the mode, dynamics and mechanisms of leukocyte transmigration, the final stage in the leukocyte adhesion cascade that describes the movement of leukocytes from the vascular lumen into inflamed and/or injured tissues. A key approach is the application of confocal intravital microscopy that enables rigorous and direct means of investigating the interactions of leukocytes with different components of microvessel walls in real-time in vivo.



Dr. David Kleinfeld, University of California, San Diego

Dr. Kleinfeld's research focus is on the angio-architecture of the rodent brain and the underlying flow of blood. These studies identified the relation of vascular topology and geometry to the nature of flow. Dr. Kleinfeld found that blockage of even a single penetrating vessel leads to a microstroke that appears similar to those seen in vascular dementia. Dr. Kleinfeld completed the first vectorized map of all vessels within vibrissa cortex and used it to gain insight into the nature of flow patterns and the perturbation of natural patterns by neuronal activity and vascular occlusions.



Conference Location

Vancouver, BC is surrounded by mountains, ocean and trees. Stanley Park, one of North America's largest downtown green spaces, is within walking distance of the conference venue. Vancouver is walk and bike friendly, with great public transit. It is easy getting from the Airport to the Conference location and navigating around the city core. The cosmopolitan city of Vancouver encompasses a cultural and culinary diversity. Combined with British Columbia's extensive selection of local ingredients, a distinct regional flavour is born that is unmistakably Vancouver. Visitors will enjoy the freshest seafood and award winning local wines.