

ASMB Workshop on Basement Membranes

July 12-14, 2017

Vanderbilt University Medical Center
Nashville, TN

Meeting Chairs: Roy Zent and Jeffery Miner

All Abstracts Available ONLINE – www.asmb.net.

Wednesday, July 12th

5:00 pm -7:00 pm Registration Open

Location: Light Hall North Lobby

6:00 – 7:30pm Keynote: Mechanisms of Cell/Matrix Interactions in Skeletal Muscle

Kevin Campbell, University of Iowa

Location: Light Hall 428

7:30pm Reception Style Dinner

Location: Light Hall North Lobby

Thursday, July 13th

7:30 am-5:30pm Registration

Location: Light Hall North Lobby

7:30 am-5:30 pm Exhibits

Location: Light Hall North Lobby

7:30-8:30 am Networking Breakfast

Location: Light Hall North Lobby

8:30-10:00 am Session 1: New Tools for Studying Basement Membranes

Location: Light Hall 428

Chair: Rachel Lennon, University of Manchester

8:30 am **Interrogating Glomerular Barrier Injury with Proteomics and 3D Electron Microscopy**, Rachel Lennon, University of Manchester

4 selected talks from abstracts

10:00-10:30 am Coffee Break

Location: Light Hall North Lobby

10:30-12:00 pm Session II: Biophysics of Basement Membranes: Structure Matters

Location: Light Hall 428

Chair: Erhard Hohenester, Imperial College London

10:30 am **Structural Basis of Cell Adhesion to Laminin**, Erhard Hohenester, Imperial College London

4 selected talks from abstracts

12:00-2:00 pm Poster Session I - Lunch

Location: TBA

2:00-3:30 pm Session III: Basement Membrane Synthesis, Assembly and Stability

Location: Light Hall 428

Chair: Billy Hudson, Vanderbilt University Medical Center

2:00 pm **Collagen IV Smart Scaffolds: A Key Innovation for Animal Multicellularity**, Billy Hudson, Vanderbilt University Medical Center

4 selected talks from abstracts

3:30-4:00 pm Coffee Break

Location: Light Hall North Lobby

4:00-5:30 pm Session IV: Cell-basement Membrane Communication

Location: Light Hall 428

Chair: David Sherwood, Duke University

4:00 pm **Adaptive Cell Invasion Through Basement Membrane in Vivo in the Absence of MMP's**, David Sherwood, Duke University

4 selected talks from abstracts

6:30 pm

Dinner at Local Restaurant

Friday, July 14th

7:30 am-5:30pm Registration

Location: Light Hall North Lobby

7:30 am-5:30 pm Exhibits

Location: Light Hall North Lobby

7:30-8:30 am Networking Breakfast

Location: Light Hall North Lobby

8:30-10:00 am Session V: Basement Membrane Genetics

Location: Light Hall 428

Chair: Sally Horne-Badovinac, University of Chicago

8:30 am **Building It in the Right Place - Mechanisms Controlling Polarized Secretion of Basement Membrane Proteins**, Sally Horne-Badovinac, *University of Chicago*

4 selected talks from abstracts

10:00-10:30 am Coffee Break

Location: Light Hall North Lobby

10:30-12:00 pm Session VI: Therapeutics for Basement Membrane Diseases

Location: Light Hall 428

Chair: Leena Bruckner-Tuderman, University Hospital Freiburg

10:30 am **Small Molecules as Disease Modifying Therapies for Epidermolysis Bullosa**, Leena Bruckner-Tuderman, *University Hospital Freiburg*

4 selected talks from abstracts

12:00-2:00 pm Poster Session II - Lunch

Location: TBA

2:00-3:30 pm Session VII: Mechanisms of Basement Membrane Degradation

Location: Light Hall 428

Chair: Renato Iozzo, Sidney Kimmel Medical College at Thomas Jefferson University

2:00 pm **Dual Regulation of Angiogenesis and Autophagy by Perlecan and Its Parts**, Renato Iozzo, *Sidney Kimmel Medical College at Thomas Jefferson University*

4 selected talks from abstracts

3:30-4:00 pm Coffee Break

Location: Light Hall North Lobby

4:00-5:30 pm Session VIII: Basement Membrane-associated Pathologies

Location: Light Hall 428

Chair: TBA

4:00 pm **Talk Title and Speaker TBA**

4 selected talks from abstracts

6:30 pm Closing Dinner at a Local Restaurant