

2013 FASEB Summer Meeting

“MATRICELLULAR PROTEINS IN DEVELOPMENT, HEALTH, AND DISEASE”

July 28-August 2, 2013

Vermont Academy, Saxons River, VT

<http://www.faseb.org/src/>



Co-Chairs: Joanne Murphy-Ullrich, UAB
Amy Bradshaw, MUSC

The aim of the meeting is to bring together researchers with active interests in the structures, functions, and clinical applications of matricellular proteins. These proteins include the thrombospondins and other thrombospondin repeat (TSR) proteins, the tenascins, osteopontin, the SPARC family, the CCN family, and other newly recognized matricellular proteins such as periostin and fibulins. Matricellular proteins are spatially and temporally regulated components of extracellular matrix that have short-range and context-specific functions in cell-matrix and cell-cell interactions and in the regulation of cellular phenotype. On the basis of these distinctive functional attributes, these proteins have been termed modulatory adhesion proteins, or matricellular proteins. This meeting will discuss the latest findings regarding matricellular protein regulation, structure, and functions in development and disease, incorporating the latest technologies and model systems. Commonalities and differences between matricellular proteins will be considered in integrating this knowledge.

Preliminary Program:

Session 1 (Sunday pm): Matricellular proteins: local and global actions

(Chair: Themis Kyriakides, Yale University)

Session 2: (Monday am) Matricellular protein regulation (microRNAs epigenetics, SNPs)

(Chair: Olga Stenina, Cleveland Clinic)

Session 3 (Monday pm): Matricellular proteins in non-mammalian model systems and development

(Chair: Josephine Adams, University of Bristol)

Session 4 (Tuesday am): Matricellular protein regulation of growth factor activity

(Chair: Andrew Leask, University of Western Ontario)

Session 5 (Tuesday pm): Matricellular proteins in inflammation and immunity

(Chair: Kim Midwood, Kennedy Institute, University of Oxford)

Session 6: (Wednesday am): Matricellular proteins in diabetes and obesity

(Chair: Joanne Murphy-Ullrich, UAB)

Session 7: (Wed pm): Matricellular proteins in musculoskeletal disease

(Chair: Kurt Hankenson, University of Pennsylvania)

Session 8: (Thursday am): Matricellular proteins in carcinogenesis and angiogenesis

(Chair: Gertraud Orend, University of Strasbourg)

Session 9: (Thursday pm): Matriceullar proteins in neuronal systems

(Chair: Cagla Eroglu, Duke University)

Session 10 (Friday am): Matricellular proteins in cardiovascular disease

(Chair: Jeff Isenberg, University of Pittsburgh)