



Join Keystone Symposia
for the 2016 conference on:

Stromal Cells in Immunity

February 7–11, 2016

Keystone Resort | Keystone, Colorado | USA

Scientific Organizers:

Shannon J. Turley, Burkhard Ludewig and Melody A. Swartz

*Joint with the conference on **Fibrosis: From Basic Mechanisms to Targeted Therapies (Q3)***

Within lymphoid organs, non-hematopoietic stromal cells organize and interact with leukocytes in immunologically important ways. In addition to organizing T and B cell segregation and expressing lymphocyte survival factors, stromal cells support the migration of and interactions between antigen-presenting cells and naïve T and B cells during the initiation of immune responses and influence the outcome between tolerance and immunity. Our understanding of stromal cell populations and their contributions to innate and adaptive immunity as well as immunological diseases, cancer and vaccination has grown exponentially over the past few years. This emerging field has gained enormous momentum due to highly sophisticated and in-depth efforts to dissect the fundamental biology and clinical importance of this cellular compartment. These critical advances as well as work that is on the cusp of being published or in the pipeline are the focus of this meeting.

Session Topics:

- Stromal Cells in Inflammatory Disease (Joint)
- Stromal Cell Function in the Initiation of Adaptive Immunity
- Stromal Cells in Lymphoid Development
- Stromal Cell-Immune Cell Interactions in Non-Lymphoid Tissues
- Stromal Cells in Tumor-Promoting Inflammation and Anti-Tumor Immunity
- Stromal Cell Function in Chronic Inflammation
- Stromal Cells in Immune Regulation, Tolerance and Autoimmunity
- Therapeutic Application and Modulation of Stromal Cell Function



Submitting an abstract is a great way of participating in the conference through poster presentation and possible selection for a short talk.

Scholarship & Discounted Abstract Deadline: Oct 8, 2015

Abstract Deadline: Nov 10, 2015

Discounted Registration Deadline: Dec 8, 2015

For additional details, visit www.keystonesymposia.org/16Q4.

KEYSTONE SYMPOSIA™
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KEYSTONE SYMPOSIA

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Stromal Cells in Immunity (Q4)

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Sponsored by Genentech, Inc.

Fibrosis: From Basic Mechanisms to Targeted Therapies (Q3)

Scientific Organizers: Robert Lafyatis, Paolo G.V. Martini, Dean Sheppard and Lucie Peduto

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SUNDAY, FEBRUARY 7

Arrival and Registration

MONDAY, FEBRUARY 8

Welcome and Keynote Session (Joint)

Ronald N. Germain, NIAID, National Institutes of Health, USA
Imaging the Immune Cell–Stromal Interface in Lymphoid Tissues and Beyond

Fiona M. Watt, King's College London School of Medicine, UK
Contribution of different fibroblast lineages to skin fibrosis

Stromal Cells in Inflammatory Disease (Joint)

Burkhard Ludewig, Kantonsspital St. Gallen, Switzerland
Fibroblastic Reticular Cells: Phenotype Follows Function

Timothy W. Schacker, University of Minnesota, USA
Lymphoid Tissue Fibrosis in HIV Infection

Robert Lafyatis, Boston University School of Medicine, USA
Dermal Fibroblast Heterogeneity and Fibrosis in Systemic Sclerosis

Short Talk(s) Chosen from Abstracts

Workshop 1 (Q4)

Short Talks Chosen from Abstracts

Stromal Cell Function in the Initiation of Adaptive Immunity (Q4)

Theresa T. Lu, Hospital for Special Surgery/Weill Cornell Medicine, USA
Regulating the Lymph Node Vascular-Stromal Compartment in Immunity

Antal Rot, Department of Biology, University of York, UK
Role of the Atypical Chemokine Receptor 4 in Chemokine-Mediated Immune Cell Trafficking

Michael C. Carroll, Boston Children's Hospital, Harvard Medical School, USA
Antigen Transport via Lymph Node Conduits

Short Talk Chosen from Abstracts

Metabolic Stress and Fibrogenesis (Q3)

Timothy S. Blackwell, Vanderbilt University School of Medicine, USA
ER Stress in Lung Fibrosis

Speaker to be Announced

Philipp E. Scherer, University of Texas Southwestern Medical Center, USA

Fat Inflammation, Fibrosis and Remodeling

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, FEBRUARY 9

Stromal Cells in Lymphoid Development (Q4)

Reina E. Mebius, Vrije Universiteit, Netherlands
Stromal Cells in Lymphoid Organ Function

Marc Bajénoff, Centre d'Immunologie Marseille-Luminy, France
Dynamics of lymphoid stromal cells

Yang-Xin Fu, University of Chicago, USA
Targeting Tumor Stromal Microenvironment to Reprogram Tumor Immunity

Jorge H. Caamano, University of Birmingham, UK
Development and function of Fat Associated Lymphoid Clusters

Short Talk(s) Chosen from Abstracts

Extracellular Matrix Composition and Stiffness in Regulation of Cell Phenotype (Q3)

Dennis E. Discher, University of Pennsylvania, USA
Lamins Inmatrix Directed Cell Differentiation

Peter Bitterman, University of Minnesota, USA
IPF Extracellular Matrix Activates a Profibrotic Feedback Loop by Deregulating MicroRNA-29 at a Post-processing Step

Speaker to be Announced

Victoria Smith, Gilead Sciences, USA
Allosteric Targeting of LOXL2

Short Talk(s) Chosen from Abstracts

Stromal Cell-Immune Cell Interactions in Non-Lymphoid Tissues (Q4)

Gwendalyn J. Randolph, Washington University, USA
Adipose Tissue, Lymphatics and Immunity

Scott N. Mueller, University of Melbourne, Australia
Dynamic Responses of Lymphoid Stromal Cells to Infection

Andrea Cerutti, Mount Sinai School of Medicine, USA
Role of Stromal Cells in Innate-Like Antibody Responses

Short Talk Chosen from Abstracts

Adaptive Immunity, TH2 and IL-13 Fibrosis (Q3)

Cory Hogaboam, Cedars Sinai Medical Center, USA
Features of Immune Deregulation in IPF

Padraic Fallon, Trinity College Dublin, Ireland
Innate Lymphoid Cells and Fibrosis

Joseph R. Arron, Genentech, Inc., USA
Targeting IL13 in Idiopathic Pulmonary Fibrosis

Short Talk Chosen from Abstracts

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Poster Session 2

WEDNESDAY, FEBRUARY 10

Stromal Cells in Tumor-Promoting Inflammation and Anti-Tumor Immunity (Q4)

Melody A. Swartz, University of Chicago, USA
Immune Regulation by Tumor Lymphangiogenesis

Shannon J. Turley, Genentech, USA
Stromal Cell Coordination of Leukocyte Function and Spatiality

Speaker to be Announced

Thomas Blankenstein, Max Delbrück Center for Molecular Medicine, Germany
Adoptive T cell therapy

Short Talk(s) Chosen from Abstracts

Perivascular Mesenchymal Cells and Vascular Niches: Versatile Cells in Health and Disease (Q3)

Lucie Peduto, Institut Pasteur, France
Perivascular Stromal Lineages in Fibrosis and Cancer

Benjamin D. Humphreys, Washington University School of Medicine, USA
Mesenchymal Stem Cells in Organ Fibrosis

Paul S. Frenette, Albert Einstein College of Medicine, USA
Mesenchymal Stromal Subsets and Vascular Niches in the Bone Marrow

Speaker to be Announced

Short Talk(s) Chosen from Abstracts

Stromal Cell Function in Chronic Inflammation (Q4)

Michael B. Brenner, Harvard Medical School, USA
Regulation of Fibroblast Inflammation in Arthritis

Fiona M. Powrie, University of Oxford, UK
Innate Lymphoid Cells, Fibrosis and Inflammatory Bowel Disease

Christopher D. Buckley, University of Birmingham, UK
The role of stromal cells in chronic inflammation

Short Talk Chosen from Abstracts

Fibrotic Muscle Disease (Q3)

Ajay Chawla, University of California, San Francisco, USA
Inflammation and Muscle Regeneration

Elisabeth Barton, University of Florida, USA
Fibrosis in Muscular Dystrophy

Paolo G. V. Martini, USA
Therapeutic Approaches for Fibrotic Diseases

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, FEBRUARY 11

Stromal Cells in Immune Regulation, Tolerance and Autoimmunity (Q4)

Henrique Veiga-Fernandes, Instituto de Medicina Molecular, Portugal
Environmental Sensing by Blood Cells

Jennifer L. Gommerman, University of Toronto, Canada
The Lymphotoxin Network and Stromal Cell Remodeling

Ross M. Kedl, USA
Antigen Archiving by Lymph Node Stroma: A Novel Function for the Lymphatic Endothelium

Paul P. Tak, GlaxoSmithKline, UK
Towards Therapeutic Targeting of the Epigenome in Rheumatoid Arthritis

Short Talk(s) Chosen from Abstracts

Immunity in Fibrotic Diseases (Q3)

Ariel E. Feldstein, University of California, San Diego, USA
Inflammasome in Liver Fibrosis

Claudio Fiocchi, Cleveland Clinic Foundation, USA
Scarring in Inflammatory Bowel Disease

Jaap M. Van Laar, University Medical Center Utrecht, Netherlands
Stem Cell Transplant, Blocking Fibrosis in Systemic Sclerosis by Resetting the Immune System

Speaker to be Announced

Workshop 2 (Q4)

Short Talks Chosen from Abstracts

Therapeutic Application and Modulation of Stromal Cell Function (Q4)

Dhaval Kumar D. Patel, Novartis Institutes for BioMedical Research, Switzerland
Therapeutic Intervention in Autoinflammation and Autoimmunity

Biju Parekkadan, Massachusetts General Hospital, Harvard Medical School, USA
Stromal Cell Therapy

Katarina Le Blanc, Karolinska Institute, Sweden
Clinical Efficacy of Cell-Based Therapies

Emerging Antifibrotic Therapies (Q3)

Dean Sheppard, University of California, San Francisco, USA
Integrin-Mediated TGF β Activation

Luca Richeldi, University of Southampton, UK
Nintedanib

Speaker to be Announced

Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Q4)

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FRIDAY, FEBRUARY 12

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Departure