# Program Agenda
Cross-Translational Research in Fibrosis Across Organs
September 30-October 5, 2018

**Sunday, September 30, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title/Topic Event</th>
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<tbody>
<tr>
<td>4:00 PM - 9:00 PM</td>
<td>Conference Registration</td>
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<tr>
<td>5:00 PM - 6:00 PM</td>
<td>Welcome Reception</td>
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<tr>
<td>6:00 PM - 7:00 PM</td>
<td>DINNER</td>
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<tr>
<td>7:00 PM - 8:00 PM</td>
<td>Keynote Speaker</td>
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<tr>
<td>8:00 PM - 9:30 PM</td>
<td>Scientific Session: Fibrotic Signaling in Cardiomyopathy</td>
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- **Jeffrey Robbins**, (Cincinnati Children’s Hospital Medical Center)
  Necessity and Sufficiency in Cardiac Fibrosis

- **Rangan Maitra**, (RTI International)
  Novel Small Molecule Apelin Receptor Agonists Decrease Cardiac Fibrosis in the Rodent Lad Model of Heart Failure

- **W. Matthijs Blankesteijn**, (Universiteit Maastricht - Maastricht, NLD)
  Improving Cardiac Remodeling by Pharmacological Interventions in Wnt Signaling

- **Lisandra de Castro Brás**, (East Carolina University)
  Steering Fibroblast Phenotype to Promote Left Ventricular Scar Maturation and Function Post-MI

- **Kristine DeLeon-Pennell**, (Medical University of South Carolina)
  CD36 Is a Matrix Metalloproteinase-9 Substrate that Stimulates Neutrophil Apoptosis and Removal during Cardiac Remodeling

**Monday, October 1, 2018**

<table>
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<tr>
<th>Time</th>
<th>Title/Topic Event</th>
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<tr>
<td>7:30 AM - 1:00 PM</td>
<td>Conference Registration</td>
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<tr>
<td>7:30 AM - 9:00 AM</td>
<td>BREAKFAST</td>
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<tr>
<td>9:00 AM - 12:00 PM</td>
<td>Scientific Session: Fibrotic Signaling in Lung</td>
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- **Daniel J. Kass**, (University of Pittsburgh School of Medicine)
Daniel J. Kass, (University of Pittsburgh School of Medicine)
Not Just Matrix Factories: Fibroblast-Mediated Regulation of Inflammation in Pulmonary Fibrosis

Franco R. D'Alessio, (Johns Hopkins University)
Macrophages and T Regulatory T Cells in Acute Lung Injury Fibrosis

Ana Mora, (University of Pittsburgh)
Fibrosis as a Disease of Aging and Mitochondrial Dysfunction

Pitchumani Sivakumar, (Bristol-Myers Squibb)
Human Precision Cut Lung Slices (PCLS) as a Translational Model of Idiopathic Pulmonary Fibrosis (IPF)

Enrique Brandan, (Catholic University of Chile - Santiago, CHL)
Role of Connective Tissue Growth Factor (CTGF/CCN2) in Neuromuscular Diseases

Short Talk Chosen from Abstracts
Session Speakers: Q&A

9:55 AM - 10:10 AM  COFFEE BREAK

12:00 PM - 1:00 PM  LUNCH

1:00 PM - 2:30 PM  Career Development Workshop
Physics of an Academic Career: Creating and Using an Individual Development Plan (myIDP)

4:00 PM - 6:00 PM  Scientific Session: Fibrotic Signaling in Skin

Edward Tredget, (University of Alberta - Edmonton, CAN) The Use of a Novel, Standardized Dermal Scratch Model of Hypertrophic Scar (HTS) to Evaluate the Safety and Tolerability of an Antifibrotic Cream, Nefopam, in Healthy Human Volunteers

Speaker: TBA
Provisional Matrix: A Role for Versican and Hyaluronan

Cecelia C. Yates, (University of Pittsburgh)
Gene-Tissue Microenvironment Interactions in Skin Fibrosis

Short Talk Chosen from Abstracts
Session Speakers: Q&A
Tuesday, October 2, 2018

Time | Title/Topic Event
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7:30 AM - 1:00 PM | Conference Registration
7:30 AM - 9:00 AM | BREAKFAST
9:00 AM - 12:00 PM | Scientific Session: Inflammation & Fibrosis

Elizabeth Redente, (National Jewish Health)

Paoline Laurent, (University Hospital and School of Medicine)
Fibrosis and Immune Dysregulation in Systemic Sclerosis

Giovanni Ligresti, (Mayo Clinic)
Epigenetic Regulation of Fibroblast Activation by Biochemical and Mechanical Stimuli

Kjetil Ask, (McMaster University - Ontario, CAN)
The Role of Macrophage in the Pathophysiology of Pulmonary Fibrosis

Elizabeth Redente (National Jewish Health)
Mechanisms of TNF-alpha Mediated Resolution of Pulmonary Fibrosis

Short Talk Chosen from Abstracts

Session Speakers: Q&A

10:00 AM – 10:15 AM COFFEE BREAK

12:00 PM - 1:00 PM | LUNCH and Meet the Experts Session

4:00 PM - 6:00 PM | Scientific Session: Cardiac and Pulmonary Fibrosis

Jitka Virag, (East Carolina University)

Jason Gardner, (LSU Health Sciences Center)
Cardioprotective Effects of Lysyl Oxidase Inhibition

Jitka Virag, (East Carolina University)
Ephrinas-1-Fc Attenuates Dysfunction and Fibrosis in Nonperfused Murine Myocardium at 4 Weeks Post-MI in Wild- Type B6 Mice but Not Epha2-R Mutant Mice
Neil Turner, (University of Leeds - Leeds, GBR)
The Role of Cardiac Fibroblast P38 Map Kinase in Regulating Cardiac Remodeling

Short Talk Chosen from Abstracts

Session Speakers: Q&A

6:00 PM - 7:00 PM  DINNER

7:00 PM - 9:00 PM  Networking & Poster Session

Wednesday, October 3, 2018

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<td>BREAKFAST</td>
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<tr>
<td>9:00 AM - 12:00 PM</td>
<td>Scientific Session: Experimental Models of Fibrosis</td>
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Xiao-Ming Yin, (Indiana University School of Medicine)

Xiao-Ming Yin, (Indiana University School of Medicine) Fibrosis in Autophagy Deficient Livers is Controlled By Nrf2 but Independent of Hmgb1 and Rage

Titus Reaves, (Medical University of South Carolina) CD36 in Activated Fibroblasts “A Potential Role in Intestinal Fibrosis”

Roberta G. Marangoni, (Feinberg School of Medicine)

Critical Appraisal of the Utility and Limitations of Animal Models of Scleroderma

Short Talk Chosen from Abstracts

Session Speakers: Q&A
10:00 AM - 10:30 AM COFFEE BREAK

12:30 PM - 2:00 PM LUNCH and Meet the Experts Session

4:00 PM - 6:00 PM Scientific Session: Angiogenesis and Fibrosis

Barbara Ballermann, (University of Alberta - Edmonton, CAN)

Paolo Madeddu, (University of Bristol - Bristol, GBR)
Pericyte Therapy Improves Angiogenesis and Inhibits Fibrosis in a Large Animal Model of Myocardial Infarction

Barbara Ballermann, (University of Alberta - Edmonton, CAN)
TIMAP and the Blunted Angiogenic Response During Renal Fibrosis

Speaker: TBD
Altered miRNA Expression Regulating Angiogenesis Angiostasis in Pulmonary Sarcoidosis

Short Talk Chosen from Abstracts

Session Speakers: Q&A

6:00 PM - 7:00 PM DINNER

7:00 PM - 9:00 PM Networking & Poster Session

Thursday, October 4, 2018

Time Title/Topic Event

7:30 AM - 1:00 PM Conference Registration

7:30 AM - 9:00 AM BREAKFAST

9:00 AM - 12:00 PM Scientific Session:
Therapeutic Application and Modulation of Fibrosis (Part 1)

Paul Noble, (Cedars-Sinai Medical Center)

Robert Lafyatis, (University of Pittsburgh School of Medicine)
Novel Therapeutics Targeting the Immune Response Leading to Fibrosis and Vascular Injury in Systemic Sclerosis

Dianhua Jiang, (Cedars-Sinai)
Single-Cell Transcriptome Analysis of Lung Fibroblast Subpopulations - in Search of Pathogenic Fibroblasts
10:00 AM - 10:15 AM  COFFEE BREAK

12:00 PM - 1:00 PM  LUNCH and Meet the Experts Session

4:00 PM - 6:00 PM  Scientific Session: Therapeutic Application and Modulation of Fibrosis (Part 2)

6:00 PM - 7:00 PM  DINNER

**Friday, October 5, 2018**

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<tr>
<td>9:00 AM - 12:00 PM</td>
<td>Scientific Session: Accelerate Research in Multi-Organ Fibrosis</td>
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<tr>
<td></td>
<td>Cecelia Yates, (University of Pittsburgh) and Monte Willis, (University of Indiana)</td>
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<td>Joel Rosenbloom, (Thomas Jefferson Medical School)</td>
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**Monte Willis, (Indiana University)**
Inhibition of Mitogen-Activated Protein Kinase-Activated Protein Kinase II with MMI-0100 Reduces Fibrosis in Cardiac Ischemia In Vivo

**Short Talk Chosen from Abstracts**

Session Speakers: Q&A

**Lisandra E. de Castro Brás, (East Carolina University)**

**Paul Noble, (Cedars Sinai Medical Center)**
Cellular Mechanisms of Tissue Fibrosis New Insights into Cellular Mechanisms of Pulmonary Fibrosis

**Burns Blaxall, (Cincinnati Children's Hospital Medical Center)** Pharmacological and Activated Fibroblast Targeting of Gßγ- GRK2 After Myocardial Ischemia Attenuates Heart Failure Progression

**Allan D Kirk, (Emory University)**
Inhibition of AvB6 Promotes Acute Renal Allograft Rejection in Nonhuman Primates

**Short Talk Chosen from Abstracts**

Session Speakers: Q&A

**Joel Rosenbloom, (Thomas Jefferson Medical School)**
Trametinib Prevents Mesothelial-Mesenchymal Transition and Ameliorates Abdominal Adhesion Formation
Youhua Liu, (University of Pittsburgh)
Tubule Derived Wnts are Required for Fibroblasts Activation and Kidney Fibrosis

Jörg Distler, (University of Erlangen Nürnberg Erlangen, DEU)
Targeting TGF beta Signaling in Fibrotic Diseases in Skin and Lung

Speaker: TBA
Jun N-Terminal Kinase as a Potential Molecular Target for Prevention and Treatment of Dermal Fibrosis

Session Speakers: Q&A

10:00 AM - 10:15 AM COFFEE BREAK
12:00 PM  LUNCH to Go and DEPARTURES