

**16<sup>th</sup> International Workshop on Scleroderma Research**  
**Saturday 27<sup>th</sup> July- Wednesday 31<sup>st</sup> July 2019**  
**St John's College, Cambridge, UK**

10:30AM-7PM	REGISTRATION	Conference Office
6-7PM	<b>EDITH BUSCH OPENING LECTURE</b>	
	Welcome and Introduction	Carol Black and Robert Lafyatis
	Artificial Intelligence and Deep Learning in Bioscience	Sir Mike Brady (Oxford) <b>(TBC)</b>
7PM	Opening Reception	

**SUNDAY 28 JULY**

8am-6pm	Registration	
08:30	Welcome and Introduction	Carol Black and Robert Lafyatis
<b>SESSION 1</b>		
<b>Breakthrough 'Changing the Game' Keynotes Lectures:</b>		
<b>Understanding Scleroderma Pathogenesis, Translational Biology and Clinical Trials</b>		
Chairs – Carol Black and Robert Lafyatis		
08:40	Fundamental Bioscience	Carol Feghali-Bostwick (Charleston)
09:10	Translation and Clinical Trials	Dinesh Khanna (Michigan)
09:40	COMFORT BREAK	
<b>SESSION 2</b>		
<b>Advances in Platform Technologies and Omics</b>		
Chair – Maureen Mayes		
09:50	Introduction	Maureen Mayes (Houston)
10:00	Defining the architecture of autoimmune diseases at the single cell level	Soumya Raychaudhuri (Boston) - <b>TBC</b>
10:30	CyToF and deep cell phenotyping to study immune regulation	Shahram Kordasti (London)
11:00	Studying the genetic basis of autoimmune diseases	Javier Martin (Granada)
11:20	Discussion	
11:30	MORNING COFFEE	
<b>SESSION 3</b>		
<b>Wound Healing, Fibrosis and Regenerative Medicine</b>		
Chair – Armando Gabrielli		
11:50	Introduction	Armando Gabrielli (Ancona)
12:00	Keynote: Fibrosis of the skin in scleroderma and wound repair	Michael Longaker (Stanford)
12:40	Fibroblast heterogeneity in development and healing	Emanuel Rognoni (London) - <b>TBC</b>
1:00	Discussion	
1:10	LUNCH	

**SESSION 4****Damage response and cytokine signaling**

Chair – Jacques Behmoaras

2:10	Introduction	Jacques Behmoaras (London)
2:20	The critical role of IL-11 in fibro-inflammatory diseases	Stuart Cook (London)
3:00	IL6 as a link between tissue damage and fibrosis	Simon Jones (Cardiff)
3:20	Discussion	
3:30	AFTERNOON TEA	

**SESSION 5****Critical pathways in autoimmunity**

Chair – Yannick Allanore

4:00	Introduction	Yannick Allanore (Paris)
4:10	Checkpoints inhibitors in immune regulation	David Sansom (London) - <b>TBC</b>
4:40	T cells and complement	Claudia Kemper (Bethesda)
5:10	Defective B lymphocyte tolerance induction in systemic sclerosis pathogenesis	Rizgar Mageed (London)
5:40	Discussion	
5:50	END OF SESSION	

**6:30**

~ WELCOME RECEPTION ~  
Cloisters – St. John's College, Cambridge

~ POSTER VIEWING ~



## MONDAY 29 JULY


<b>SESSION 6</b>		
<b>Young Investigators – Selected abstracts</b>		
Chairs – Robert Lafyatis and Masataka Kuwana		
09:00-10:30	Presentations from selected Abstracts	6 Presentations (15 mins each)
10:30	MORNING COFFEE	
<b>SESSION 7</b>		
<b>Cancer associated fibroblast and the stromal microenvironment</b>		
Chair – Carol Feghali-Bostwick		
10:50	Introduction	Carol Feghali-Bostwick (Charleston)
11:00	Microenvironment in cancer	Richard Hynes (Cambridge, MA)
11:30	The cell biology of the tumour microenvironment	Erik Sahai (London)
12:00	Discussion	
12:30	LUNCH	
<b>SESSION 8</b>		
<b>Targeting the myofibroblasts and Metabolism</b>		
Chair – Oliver Distler		
1:50	Introduction	Oliver Distler (Zurich)
2:00	Myofibroblasts	John Varga (Chicago)- <b>TBC</b>
2:30	Targeting apoptosis of myofibroblasts in fibrosis	David Lagares (Boston)
3:00	Discussion	
3:30	AFTERNOON TEA	
<b>SESSION 9</b>		
<b>Vascular biology: Remodeling, calcification and repair</b>		
Chair – Marco Matucci Cerinic		
3:50	Introduction	Marco Matucci Cerinic (Florence)
4:00	Control of vascular smooth muscle cell identity	Helle Jorgensen (Cambridge) - <b>TBC</b>
4:30	Mechanisms of vessel calcification	Cathy Shanahan (London)
5:00	Vascular remodeling	Maria Trojanowska (Boston)
5:30	Discussion	
6:00	END OF SESSION	
<b>6:00</b>	<b>~ POSTER VIEWING ~</b>	

## TUESDAY 30 JULY

<b>SESSION 10</b>		
<b>Exploring lessons from other diseases and biomarkers</b>		
Chair – Luc Mouthon		
08:50	Introduction	Luc Mouthon (Paris)
09:00	Lung injury and repair	Rachel Chambers (London) - <b>TBC</b>
09:30	Inflammatory myopathies	Yves Allenbach (Paris) - <b>TBC</b>
10:00	Hepatic fibrogenesis	Massimo Pinzani (London) - <b>TBC</b>
10:30	Discussion	
11:00	MORNING COFFEE	
<b>SESSION 11</b>		
<b>Scleroderma Clinical Trials Consortium</b>		
Chairs – Ariane Herrick and Lori Chung		
11:30-11:35	Introduction	
11:35-11:50	Selecting patients for clinical trials- opportunities, pitfalls, lessons learnt from recent clinical studies	Jaap van Laar (Utrecht)
11:50-12:00	Discussion	
12:00-12:15	Outcome measures in recent clinical trials – lessons learnt from recent RCTs	Robyn Domsic (Pittsburgh)
12:15-12:25	Discussion	
12:25-12:40	Development of a White Paper in systemic sclerosis	Dinesh Khanna (Ann Arbor) and Peter Merkel (Boston)
12:40-12:55	Discussion	
12:55-1:00	Closing remarks	
1:00	LUNCH	
<b>SESSION 12</b>		
<b>Translational Partnerships and Industrial Interactions</b>		
Chairs – John Varga and Chris Denton		
<b>This session provides a forum for our industrial partners to discuss and present aspects of academic-industry interactions</b>		
<b>Discovery partnerships with Industry</b>		
2:00-3:30	Presentations by Industry Colleagues	~ 6 Presentations
3:30	COMFORT BREAK	
<b>SESSION 13</b>		
<b>Lessons from autologous Stem Cell Transplantation</b>		
Chair – Jaap van Laar		
4:00	Introduction	Jaap van Laar (Utrecht)
4:10	Keynote: Clinical impact of HSCT, hematopoietic stem cells, in SSc	Keith Sullivan (Durham)
4:40	Genetics and Profiling towards precision medicine	Mike Whitfield (Dartmouth)
5:00	Elucidating the Mechanisms and Future Directions	Alan Tyndall (Basel)

5:20	Discussion	
<b>SESSION 14</b>		
<b>ECM and Mechanotransduction - revisited</b>		
Chair – Thomas Krieg		
5:40	Introduction	Thomas Krieg (Cologne)
5:50	The social networks of myofibroblasts	Boris Hinz (Toronto)
6:10	Matrix biomechanics and dynamics	Daniel Tschumperlin (Minnesota)
6:30	Discussion	
6:40	END OF SESSION	

<b>6:40</b>	<b>~ POSTER SESSION ~</b>	
<b>7:30</b>	<b>~ BANQUET ~</b> <b>Great Hall – St. John’s College, Cambridge</b>	

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## **WEDNESDAY, 31<sup>ST</sup> JULY**

<b>SESSION 15</b>		
<b>Advances in signal transduction pathways</b>		
Chair – Kristofer Rubin		
08:50	Introduction	Kristofer Rubin (Lund)
09:00	Control of TGFbeta signalling by the hippo pathway	Liliana Attisano (Toronto)
09:30	Targeting intracellular signaling in fibrosis	Jörg Distler (Erlangen)
10:00	Discussion	
10:20	MORNING COFFEE	
<b>SESSION 16</b>		
<b>Macrophages, metabolism and mitophagy</b>		
Chair – Francesco Del Galdo		
10:50	Introduction	Francesco Del Galdo (Leeds)
11:00	Myeloid signaling and type 2 immunity in fibrosis	Sabine Eming (Cologne)
11:30	System genetics to study macrophage plasticity and metabolism inflammatory diseases	Jacques Behmoaras (London)
11:50	Mitochondrial function, metabolism and oxidative stress	Toren Finkel (Pittsburgh)
12:10	Discussion	
12:30	LUNCH	
<b>Post Workshop Meeting</b>		
<b>World Scleroderma Foundation/EUSTAR meeting – TBC</b>		