

**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	Lawrence Hunter (Colorado, USA) (TBC)
7PM	Opening Reception	

**SUNDAY 28 JULY**

8am-6pm	Registration	
8:30	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		
8:40	Fundamental Bioscience	Carol Feghali-Bostwick (Pittsburgh)
9:10	Translation and Clinical Trials	Dinesh Khanna (Michigan)
9:40	COMFORT BREAK	
<b>SESSION 2</b>		
<b>Advances in Platform Technologies and Omics</b>		
Chairs – TBC		
9:50	Introduction	TBC
10:00	Keynote: Single cell genomics to unravel complex biological systems	Rahul Satija (New York) - TBC
10:40	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>Stem Cells and Regenerative Medicine</b>		
Chairs – TBC		
11:50	Introduction	
12:00	Keynote: Fibrosis of the Skin in Scleroderma and Wound Repair	Michael Longaker (Stanford)
12:40	<i>Cardiac regeneration</i>	Paul Riley (Oxford) - TBC
1:00	Discussion	
1:10	LUNCH	

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

Chairs – Jacques Behmoaras

2:10	Introduction	Jacques Behmoaras (ICL)
2:20	The critical role of IL-11 in fibro-inflammatory diseases	Stuart Cook (Imperial College 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**

Chairs – TBC

4:00	Introduction	TBC
4:10	Checkpoints inhibitors in immune regulation	Sergio Quezada (UCL) - TBC
4:40	T cells and complement	Claudia Kemper (NIH-USA)
5:10	Transitional B cells/B regs	Rizgar Mageed (QMUL)
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 – TBC		
9:00-10:30	Presentations from selected Abstracts	6 Presentation (15min each)
10:30	MORNING COFFEE	
<b>SESSION 7</b>		
<b>Cancer associated fibroblast and the stromal microenvironment</b>		
Chairs – TBC		
10:50	Introduction	
11:00	Microenvironment in cancer	TBC
11:30	The cell biology of the tumour microenvironment	Erik Sahai (The Crick)
12:00	Discussion	
12:30	LUNCH	
<b>SESSION 8</b>		
<b>Targeting the myofibroblasts and Metabolism</b>		
Chairs – TBC		
1:50	Introduction	
2:00	Myofibroblasts	Rachel Chambers (UCL) - TBC
2:30	Targeting apoptosis of myofibroblasts in fibrosis Myofibroblast Metabolism	David Lagares (Harvard)
3:00	Discussion	
3:30	AFTERNOON TEA	
<b>SESSION 9</b>		
<b>Vascular biology: Remodeling, calcification and repair</b>		
Chairs – TBC		
3:50	Introduction	TBC
4:00	Control of smooth muscle cell identity and lineage	Gary Owens (Virginia) - TBC
4:30	Mechanisms of vessel calcification	Cathy Shanahan (KCL)
5:00	Vascular remodeling	TBC
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</b>		
Chairs – Luc Muthon (Paris)		
8:50	Introduction	Luc Mouthon
9:00	Inflammatory Myositis	Olivier Benveniste - TBC
9:30	Lung injury and fibrosis	TBC
10:00	Peripheral blood biomarkers	TBC
10:30	Discussion	
11:00	MORNING COFFEE	
<b>SESSION 11</b>		
<b>Scleroderma Clinical Trials Consortium</b>		
Moderators – TBC		
11:30-1:00	<b>Scleroderma Clinical Trials Consortium Session</b>	
1:00	END OF SESSION	
1:00	LUNCH	
<b>SESSION 12</b>		
<b>Translational Partnerships and Industrial Interactions</b>		
Chairs – TBC		
<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>Lessons from autologous Stem Cell Transplantation</b>		
Chairs – TBC		
4:00	Introduction	TBC
4:10	Keynote: Clinical impact of hematopoietic stem cell transplantation (HSCT) in systemic sclerosis (SSc)	Keith Sullivan (Duke)
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 13</b>		
<b>ECM and Mechanotransduction - revisited</b>		
Chairs – TBC		
5:40	Introduction	TBC
5:50	The social networks of myofibroblasts	Boris Hinz (Toronto)
6:10	Matrix biomechanics and dynamics	Dan Tschumperlin (Mayo Clinic)
6:30	Discussion	
6:40	END OF SESSION	
<b>6:40</b>	<b>~ POSTER SESSION ~</b>	

**7:30**

**~ BANQUET ~**  
**Great Hall – St. John's College, Cambridge**



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

<b>SESSION 14</b>		
<b>Advances in signal transduction pathways</b>		
Chairs – Kristofer Rubin		
8:50	Introduction	Kristofer Rubin
9:00	Control of TGFbeta signalling by the hippo pathway	Liliana Attisano (Toronto)
9:30	Targeting intracellular signaling in fibrosis	Jörg Distler (Erlanger)
10:00	Discussion	
10:20	MORNING COFFEE	
<b>SESSION 15</b>		
<b>Macrophages, metabolism and mitophagy</b>		
Chairs – TBC		
10:50	Introduction	TBC
11:00	Meyloid signaling and type 2 immunity in fibrosis	Sabine Eming (Cologne)
11:30	System genetics to study macrophage plasticity and metabolism inflammatory diseases	Jacques Behmoaras (Imperial College)
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>		