

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

10:30AM-7PM	REGISTRATION	Conference Office
6-7PM	EDITH BUSCH OPENING LECTURE	
	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	
08:30	Welcome and Introduction	Carol Black and Robert Lafyatis
SESSION 1		
Breakthrough 'Changing the Game' Keynotes Lectures:		
Understanding Scleroderma Pathogenesis, Translational Biology and Clinical Trials		
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	
SESSION 2		
Advances in Platform Technologies and Omics		
Chairs – TBC		
09:50	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	
SESSION 3		
Stem Cells and Regenerative Medicine		
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 (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**

Chairs – TBC

4:00	Introduction	TBC
4:10	Checkpoints inhibitors in immune regulation	Sergio Quezada (London) - TBC
4:40	T cells and complement	Claudia Kemper (Bethesda)
5:10	Transitional B cells/B regs	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

SESSION 6		
Young Investigators – Selected abstracts		
Chairs – TBC		
09:00-10:30	Presentations from selected Abstracts	6 Presentations (15 mins each)
10:30	MORNING COFFEE	
SESSION 7		
Cancer associated fibroblast and the stromal microenvironment		
Chairs – TBC		
10:50	Introduction	
11:00	Microenvironment in cancer	TBC
11:30	The cell biology of the tumour microenvironment	Erik Sahai (London)
12:00	Discussion	
12:30	LUNCH	
SESSION 8		
Targeting the myofibroblasts and Metabolism		
Chairs – TBC		
1:50	Introduction	
2:00	Myofibroblasts	Rachel Chambers (London) - TBC
2:30	Targeting apoptosis of myofibroblasts in fibrosis Myofibroblast Metabolism	David Lagares (Boston)
3:00	Discussion	
3:30	AFTERNOON TEA	
SESSION 9		
Vascular biology: Remodeling, calcification and repair		
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 (London)
5:00	Vascular remodeling	TBC
5:30	Discussion	
6:00	END OF SESSION	
6:00	~ POSTER VIEWING ~	

TUESDAY 30 JULY

SESSION 10		
Exploring lessons from other diseases		
Chairs – Luc Muthon (Paris)		
08:50	Introduction	Luc Mouthon
09:00	Inflammatory Myositis	Olivier Benveniste - TBC
09:30	Lung injury and fibrosis	TBC
10:00	Peripheral blood biomarkers	TBC
10:30	Discussion	
11:00	MORNING COFFEE	
SESSION 11		
Scleroderma Clinical Trials Consortium		
Moderators – TBC		
11:30-1:00	Scleroderma Clinical Trials Consortium Session	
1:00	END OF SESSION	
1:00	LUNCH	
SESSION 12		
Translational Partnerships and Industrial Interactions		
Chairs – TBC		
This session provides a forum for our industrial partners to discuss and present aspects of academic-industry interactions		
Discovery partnerships with Industry		
2:00-3:30	Presentations by Industry Colleagues	~ 6 Presentations
3:30	COMFORT BREAK	
SESSION 13		
Lessons from autologous Stem Cell Transplantation		
Chairs – TBC		
4:00	Introduction	TBC
4:10	Keynote: Clinical impact of hematopoietic stem cell transplantation (HSCT) in systemic sclerosis (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	
SESSION 14		
ECM and Mechanotransduction - revisited		
Chairs – TBC		
5:40	Introduction	TBC
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	

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

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WEDNESDAY, 31ST JULY

SESSION 15 Advances in signal transduction pathways Chairs – 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	
SESSION 16 Macrophages, metabolism and mitophagy 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 (London)
11:50	Mitochondrial function, metabolism and oxidative stress	Toren Finkel (Pittsburgh)
12:10	Discussion	
12:30	LUNCH	
Post Workshop Meeting World Scleroderma Foundation/EUSTAR meeting – TBC		