

# 14<sup>th</sup> International Workshop on Scleroderma Research St John's College, Cambridge, UK ~ August 1-5 2015



Advancing Scleroderma  
Research and  
Translational Medicine

## Scientific Steering Committee

*Carol M Black, Robert Lafyatis, David Abraham, Christopher Denton, Carol Feghali-Bostwick, Armando Gabrielli, Thomas Krieg, Luc Mouthon, Marlene Rabinovitch, Kristopher Rubin, Maria Trojanowska, John Varga, and Michael Whitfield*

## SCIENTIFIC PROGRAMME (DRAFT)

### SATURDAY, AUGUST 1<sup>st</sup>

1-5pm	Registration / Poster set up	
6:00pm	Welcome and Introduction – Carol Black and Robert Lafyatis	
<p><b>Chair: Thomas Krieg</b>                      <b>KEYNOTE LECTURE</b>  <b>Horizons in Proteomics</b>  <b>Matthias Mann</b>  The Max Planck Institute of Biochemistry</p>		
7:00	Opening Reception	

### SUNDAY, AUGUST 2<sup>nd</sup>

8am-6pm	Registration	
8:30	Welcome and Introduction	Carol Black and Robert Lafyatis
<p><b>SESSION 1</b>  <b>Exploring advances in pathobiology and clinical trials</b>  Chairs – Thomas Medsger and Frank van den Hoogen</p>		
8:40	Horizons in Scleroderma Pathobiology	John Varga
9:10	Early stage scleroderma trial design in the 21 <sup>st</sup> Century	James Seibold
9:40	BREAK	
<p><b>SESSION 2</b>  <b>Integrative and systems biology</b>  Chairs – Michael Whitfield and Maureen Mayes</p>		
9:55	Introduction	
10:00	Unravelling genes in Scleroderma	Daniel Kastner
10:35	The 100,000 Genome Project	Clare Turnbull
11:05	Genomics in Scleroderma	Javier Martin
11:30	MORNING COFFEE	

**SESSION 3****Ageing, autophagy and inflammation**

Chairs – Carol Feghali-Bostwick and Douglas Veale

11:55	Introduction	
12:00	Autophagy in fibrosis: lessons from Crohn's disease	Alison Simmons
12:30	Immune senescence and ageing	Arne Akbar
1:15	Discussion	
1:30	LUNCH	

**SESSION 4****Host microbiome interactions**

Chairs – Armando Gabrielli and Richard Silver

2:25	Introduction	
2:30	Translating microbiome science into clinical medicine	Fergus Shanahan
3:00	The microbiome in inflammation	Michael Curtis
3:30	Discussion	
3:45	AFTERNOON TEA	

**SESSION 5****Epigenomics in fibrosis**

Chairs – Peter Merkel and Bashar Kahaleh

4:10	Introduction	
4:15	Epigenetics and fibrosis	Michael Zeisberg
4:45	Epigenetic modifications as novel targets in tissue fibrosis	Derek Mann
5:15	Discussion	
5:45	END OF SESSION	

**5:45****~ WELCOME RECEPTION ~****Cloisters – St. John's College, Cambridge**

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MONDAY, AUGUST 3<sup>rd</sup>

**SESSION 6**

**Young Investigators – Selected abstracts**

Chairs – Carol Black and Robert Lafyatis

9:00	Introduction	
9:15	TBA	
9:30	TBA	
9:45	TBA	
10:00	TBA	
10:15	TBA	
10:30	MORNING COFFEE	

**SESSION 7**

**Autoimmunity and cancer**

Chairs – Yannick Allanore and Ami Shah

10:55	Introduction	
11:00	Cancer and Scleroderma	Antony Rosen
11:30	Lymphocyte signaling in autoimmunity and cancer	Klaus Okkenhaug
12:00	Discuss	
12:30	LUNCH	

**SESSION 8**

**Mechanobiology and sensing**

Chairs – Thomas Krieg and Francesco del Galdo

1:55	Introduction	
2:00	Matrix – Cytoskeletal dynamics in tissue repair	Boris Hinz
2:30	Actin dynamics mechanosensing in fibroblasts	Barbara Smith
3:00	Discussion	
3:30	AFTERNOON TEA	

**SESSION 9**

**Vascular disease in Scleroderma**

Chairs – Gerry Coghlan and Ariane Herrick

3:55	Introduction	
4:00	<p><b>KEYNOTE LECTURE</b></p> <p><b>The FGF/TGF Beta Axis in</b></p> <p><b>Vascular Health and Disease</b></p> <p>Yale School of Medicine</p>	<b>Michael Simons</b>
4:40	Vascular disease in systemic sclerosis	Marco Matucci-Cerinic
5:10	Current mechanisms and treatments for PAH	Nicholas Morrell
5:40	Discussion	
6:10	END OF SESSION	

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TUESDAY, AUGUST 4<sup>th</sup>

**SESSION 10**

**Exploring lessons from IPF**

Chairs – Peter Merkel and Jörg Distler

8:55	Introduction	
9:00	Are IPF and Scleroderma the same disease?	Erica Herzog
9:30	Translational medicine and outcome measures	Athol Wells
10:00	Pathobiology of IPF	Rachel Chambers
10:30	Discussion	
11:00	MORNING COFFEE	

**SESSION 11**

**Translational Partnerships (Industry interactions)**

Chairs – Daniel Furst and Alan Tyndall

11:30	Introduction	
	Areas to explore with Industry: New modes of Partnership Emerging therapies Current trials	
12:55	LUNCH	

**SESSION 12**

**Fibrosis and TGF beta revisited**

Chairs – Robert Lafyatis and Kristofer Rubin

1:55	Introduction	
2:00	Emerging mechanisms of fibrosis	Andrew Tager
2:30	TGF beta revisited	Gisli Jenkins
3:00	Discussion	

**3:30 onwards**

**~ POSTER VIEWING ~**

**6:30**

**~ BANQUET ~**

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

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WEDNESDAY, AUGUST 5<sup>th</sup>

**SESSION 13**

**Mesenchymal cell differentiation**

Chairs – Luc Mouthon and Maria Trojanowska

8:55	Introduction	
9:00	Mesenchymal stem cells in autoimmune disease	Alan Tyndall
9:30	Mesenchymal cells and regeneration	Bruno Péault
10:00	Discussion	
10:30	MORNING COFFEE	

**SESSION 14**

**Monocytes/macrophages and mediators in disease**

Chairs – Masataka Kuwana and Jacques Behmoaras

10:55	Introduction	
11:00	Resolution of Inflammation	Derek Gilroy
11:30	IL-6 signalling drives fibrosis in unresolved inflammation	Simon Jones
12:00	Discussion	
12:30	LUNCH	

**SESSION 15**

**Scleroderma Clinical Trials Consortium**

Chairs – TBA

1:30	Introduction	
	Current exciting trials New trials on the horizon Patterns and predictors of response Outcome measures organ-based disease	
3:00	END OF SESSION	

**END OF WORKSHOP**