

# 11<sup>th</sup> International Workshop on Scleroderma Research

PROGRAMME  
1-4 AUGUST, 2010

## SATURDAY, JULY 31

12-5pm Check-in and Registration  
Conference Office, 10 Buick Street,  
Ground Floor, Room G15

### Session 2 (10:30-12)

Genetic Associations in Scleroderma: GWAS Studies  
Chair – Josephine Hoh

## SUNDAY, AUGUST 1

8:45am Welcome Carol Black  
Robert Lafyatis

10:30 Genetic associations in systemic sclerosis M Mayes  
10:50 Immune genetics in systemic sclerosis T Radstake  
11:10 Genetics & biomarkers in systemic sclerosis P Pantelidis  
11:30 Discussion

12:00-1:30 Lunch

### Session 1 (9:00-10)

Challenges & Advances in Systemic Sclerosis  
Chair – J Varga

### Session 3 (1:30-3:00)

Genetic Regulation in Pulmonary Disease  
Chair – F Arnett & B Kahaleh

9:00 Challenges facing the clinician D Furst  
9:30 Advances in scleroderma and the  
Workshop C Denton

10:00 Coffee Break

**Keynote**  
1:30 **Gene regulation in interstitial lung disease** K Gibson  
2:00 micro RNAs and TGF $\beta$  A Hata  
2:20 Lessons from gene expression in pulmonary hypertension T Bull  
2:40 Discussion

3:00 Tea

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## Session 4 (3:30-4:30)

### Genetic Markers of Systemic Sclerosis

Chair – C Denton & B White

3:30	Subclassification of scleroderma patients using microarray gene expression	M Whitfield
3:50	Interferon-regulated gene expression in systemic sclerosis	S Assassi
4:10	Discussion	
<b>4:30-5:30</b>	<b>Poster Session (Authors stand by posters)</b> <b>18<sup>th</sup> Floor Lounge, 10 Buick Street</b>	
<b>5:30-7:00</b>	<b>Welcome Reception</b>	<b>Agganis Arena Burke Club Room</b>

Free Evening

## MONDAY, AUGUST 2 *(Please note: All Monday sessions are in the Burke Club Room, 2<sup>nd</sup> floor of Agganis Arena)*

## Session 5 (9:00-10:30) Agganis Arena Burke Club Room

### Pulmonary Fibrosis – Clinical Update & Pathogenesis

Chair – F Wollheim & T Wynn

	<b>Keynote</b>	
<b>9:00</b>	<b>Oxidative stress, hemoxygenase, cell apoptosis and lung injury</b>	<b>A Choi</b>
9:30	Clinical – radiological correlations in pulmonary fibrosis	A Wells
9:50	Inflammasome and innate immunity in pulmonary fibrosis	F Sutterwala
10:10	Discussion	
10:30	Coffee Break	

## Session 6 (11:00-12:00) Agganis Arena Burke Club Room

### Mediators of Fibrotic Lung Disease

Chair – A Choi & A Wells

	<b>Keynote</b>	
<b>11:00</b>	<b>Matrix and proteases in fibrosis</b>	<b>G Laurent</b>
11:30	IGFBP5 and gene regulation in scleroderma-associated pulmonary fibrosis	C Feghali-Bostwick
11:50	Discussion	

12:00 Lunch

Abstract Presentations (1-2:40)  
Agganis Arena - Burke Club Room  
Chair - L Mouthon

1:00	Inhibition of thrombin as a novel strategy in the treatment of scleroderma-associated ILD	Bogatkevich
1:20	Genetic deletion or pharmacologic antagonism of LPA <sub>1</sub> ameliorates dermal fibrosis in a mouse model of systemic sclerosis	Castelino
1:40	Post-natal fibroblast-specific deletion of the <i>Pten</i> gene in fibroblasts induces a scleroderma phenotype	Parapuram
2:00	Semaphorin 7a regulates fibrocyte accumulation in TGF- $\beta$ 1 induced pulmonary fibrosis	Herzog
2:20	The early growth response gene <i>Egr-2</i> ( <i>Krox20</i> ) is a novel transcriptional target of transforming growth factor- $\beta$ that is up-regulated in systemic sclerosis and mediates profibrotic responses	Feng

3:00 Tea

Session 7 (3:20-5:00) Agganis Arena Burke Club Room  
Emerging Therapeutics I  
Chair - R Simms & M Baron

3:20	Targeting B cells and IFN in scleroderma	B White
3:40	SAP in fibrosis	MLupher
4:00	Actemra (Tocilizumab)	J Pope
4:20	Tyrosine kinase inhibitors in SSc	P Gergely
4:40	Discussion	

Session 8 (5:20-6:40) Agganis Arena Burke Club Room  
Emerging Therapeutics II  
Chair - M Matucci Cerinic & T Medsger

5:20	Anti- $\alpha$ v $\beta$ 6	S Violette
5:40	Anti-TGF $\beta$	J Mannick
6:00	miRNA therapeutics	TBA
6:20	Discussion	

Free Evening

TUESDAY, AUGUST 3

Session 9 (8:30-10)

Mechano-sensing in Fibrosis

Chair - K Rubin & T Krieg

	<b>Keynote</b>	
<b>8:30</b>	<b>Mechano-sensing in fibrosis</b>	<b>D Ingber</b>
9:00	Myofibroblasts & fibrosis	D Tschumperlin
9:20	Integrin regulation of fibroblast phenotype	B Eckes
9:40	Discussion	
10:00	Coffee Break	

Session 10 (10:40-12)

Inflammation & Fibrosis

Chairs- R Lafyatis & A Postlethwaite

10:40	T cells in graft versus host disease	S Katz
11:00	Immune activation & fibrosis	A Coyle
11:20	IL-13 & alternative macrophage activation	T Wynn
11:40	Discussion	
12-1:30	Lunch	

Session 11 (1:30-3)

Progenitors, Stem Cells & Regenerative Medicine

Chair - D Abraham & S Jiménez

	<b>Keynote</b>	
<b>1:30</b>	<b>Wnt regulation of fibrosis</b>	<b>T Rando</b>
2:00	IPS cells & lung regeneration	D Kotton
2:20	PPAR $\gamma$ in mesenchymal cell differentiation	J Varga
2:40	Discussion	
3:00	Tea	

Session 12 (3:30-5)

Pulmonary Arterial Hypertension

Chair - H Farber & L Mouthon

	<b>Keynote</b>	
<b>3:30</b>	<b>Pathogenic mechanisms in pulmonary hypertension</b>	<b>R Tudor</b>
4:00	IL-6 in pulmonary hypertension	A Waxman
4:20	Altered endothelial cells in scleroderma vasculopathy	M Trojanowska
4:40	Discussion	

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6-9            **Dinner Banquet**            **Metcalf Trustee  
Center Ballroom,  
1 Silber Way**

**Speaker:** Robert F. Meenan, MD, MPH, MBA  
Dean, Boston University  
School of Public Health

## WEDNESDAY, AUGUST 4

**Session 13 (8:30-10)**  
**Vascular Inflammation & Injury**  
Chair – A Gabrielli & R Tudor

8:30	<b>Keynote</b> <b>Pulmonary arterial hypertension -Lessons from new models</b>	<b>M Rabinovitch</b>
9:00	The immune response in PAH	G Grunig
9:20	Anti-endothelial cell antibodies & oxidative stress in scleroderma	F Batteux
9:40	Discussion	
10:00	Coffee Break	

**Session 14 (10:30-12)**  
**Regulation of Vascular Phenotype**  
Chair – M Rabinovitch & M Trojanowska

	<b>Keynote</b> <b>Vascular inflammation</b>	<b>J Loscalzo</b>
10:30	Endothelial mesenchymal transition	S Jiménez
11:00	EPCs and manufacturing vascular networks in vivo	
11:20	Discussion	J Bischoff
11:40		
12-1:20	Lunch	

**Session 15 (1:20-4)**  
**Scleroderma Clinical Trials Consortium Session**  
Chairs – J Seibold & R Simms

1:20	Development of outcome measures in CTD-ILD	L Saketkoo
2:00	Trial design for SSc-ILD	A Wells
2:20	Lung & blood biomarkers in SSc-ILD	C Feghali-Bostwick
3:00	Lessons learned from recent trials	J Seibold
3:20	Utilization of skin biomarkers in SSc clinical trials	R Lafyatis
3:40	Discussion	