



**British Society for Matrix Biology**  
**Spring meeting April 8<sup>th</sup>- 9<sup>th</sup> 2019**  
**University of Liverpool**  
**Joint meeting between BSMB and MBI**

**“Stroma, Niche, and Repair”**

**Organisers:**

George Bou-Gharios - Liverpool  
 Dimitrios Zeugolis - Galway  
 David Abraham - London  
 Tim Johnson - Sheffield/UCB Biopharma  
 Kevin Hamill - Liverpool  
 Alan Holmes - London/GlaxoSmithKline

**Monday April 8<sup>th</sup>**

11.00-12.40	<b>REGISTRATION</b>	<b>Conference Office</b>
12.45-1.00	OPENING remarks	
	Welcome and Introduction	George Bou-Gharios (Liverpool)
	<b>Horizon Scanning in the Extracellular Matrix Biology</b>	Alan Holmes (UCL, London/ GlaxoSmithKline)

<b>1.00-2.00</b>	<b>SESSION 1 STROMA in Health and Disease</b>	
<b>Chairs</b>	<b>Tim Johnson (Sheffield/UCB Biopharma)</b>	
1.00-1.30	3D tissue and cell jamming transitions in collective cancer progression	Peter Friedl (The Netherlands)
1.30 -1.40	Short Presentation from abstracts	TBC
1.40-1.50	Short Presentation from abstracts	TBC
1.50-2.00	Short Presentation from abstracts	TBC
2.00-2.30	Regulation of liver fibrosis by macrophages	Michael Schmid (Liverpool)
<b>2.30-4.00</b>	<b>Tea and Coffee (Poster and Supporter stand viewing)</b>	<b>AGM - Venue</b>

<b>4.00-4.30</b>	<b>SESSION 2 NICHE- Microenvironmental regulator of cell behaviour</b>	
<b>Chairs</b>	<b>Kim Midwood (Oxford)</b>	
4.00-4.30	Generation and maintenance of the cancer-associated fibroblasts	Erik Sahai (The Crick, London)
4.30-4.40	Short Presentation from abstracts	TBC
4.40-4.50	Short Presentation from abstracts	TBC
4.50-5.00	Short Presentation from abstracts	TBC
5.00-5.30	Functional heterogeneity of human skin fibroblasts	Fiona Watt (KCL, London)

<b>BSMB Medal Lecture</b> Chair: John Couchman		
5.30-6.15	“Dynamic Cell-Matrix Interactions in 3D Cell Migration and Organ Morphogenesis”	Kenneth Yamada (NIH, USA)
6.15-7.45	<b>Drinks Reception (Poster and Supporter stand viewing)</b>	
	<b>Conference Dinner</b> Venue: TBC	

## Tuesday April 9<sup>th</sup>

<b>9.00-10.30</b>	<b>SESSION 3 MBI Sponsored Session innovative material science to regenerate, reconstruct and interface with tissues</b>	
<b>Chairs</b>	<b>Dimitrios Zeugolis (Galway)</b>	
9:00-9.20	Developing the next generation of biocompatible and adaptable material platforms-beyond nanobiology	Manus Biggs (Galway)
9:20-9.30	Short Presentation from abstracts	
9:30-9.50	Engineering extracellular matrix analogues to model the epithelial Interface in 3D: prospects for developing novel in vitro models and tissue regenerative medical devices	Cian O'Leary (Dublin)
9:50-10.00	Short Presentation from abstracts	
10:00-10.20	Reconstruction of Metastatic Tumour Microenvironment Using Collagen-Based Scaffolds	Olga Piskareva (Dublin)
10:30-11.00	<b>Tea and Coffee (Poster and Supporter stand viewing)</b>	
<b>11.00-1.00</b>	<b>SESSION 4 Repair, regeneration, and the cytoskeleton organization</b>	
<b>Chairs</b>	<b>Kevin Hamill (Liverpool)</b>	
11:00-11.30	Therapeutic tissue engineering Lessons from developmental biology	Colin Jahoda (Durham)
11:30-11.40	Short Presentation from abstracts	TBC

11.40-11.50	Short Presentation from abstracts	TBC
11.50-12:00	Short Presentation from abstracts	TBC
12.00-12:30	Understanding the role of MEGF10 in skeletal muscle stem cells	Michelle Peckham (Leeds)
1.00 – 2.00	<b>Lunch – Venue: University of Liverpool – Teaching Hub.</b>	

2.00-3.30	<b>SESSION 5 Tissue development, homeostasis, remodeling and fibrosis</b>	
<b>Chairs</b>	<b>David Abraham (UCL, London)</b>	
2:00-2.30	Metalloprotease inhibitors regulate stem cell niches	Rama Khokha (Toronto, Canada)
2:30-2.40	Short Presentation from abstracts	TBC
2.40-2.50	Short Presentation from abstracts	TBC
2.50-3.00	Short Presentation from abstracts	TBC
3.00-3.30	Transglutaminases in tissue scarring and fibrosis	Tim Johnson (Sheffield/UCB Biopharma)

3.30-4.00	<b>Presentation of Prizes Close of Meeting</b>	
4.00-7.00	<b>BSMB Committee Meeting Room G12-15 IACD</b>	

The Meeting is sponsored by:



We have chosen a diverse set of speakers who all share a common interest in matrix and how these molecules connective tissues or of understanding the mechanisms underlying connective tissue diseases associated with age. We have aimed to achieve a good gender split among our invited speakers, resulting in five out of the ten speakers being female. Geographically the speakers have been drawn from the UK (5), Europe (4) Canada (1) and USA (1). We have also ensured that our speakers range from established international leaders (Yamada, Khokha, Friedl, Watt and Sahai) with strong reputations in their respective fields to young emerging scientists (Schmidt, Peckham and Jahoda) and those who are currently using matrix to engineer medical products for translational medicine (O'Leary, Piskareva and Biggs). We have also invited scientist with links to pharma such as Johnson and Abraham to illustrate the impact of the matrix on drug delivery.

At BSMB meetings all sessions will be co-chaired by senior and junior scientists. These will be confirmed closer to the start of the meeting but in deciding on chairs a gender balance will again be pursued, with junior chairs being chosen from postgraduate student and postdoctoral attendees.

Speakers:

Tim Johnson (Sheffield/UCB Biopharma)  
Cian O'Leary (Dublin)  
Olga Piskareva (Dublin)  
Fiona Watt (KCL, London)  
Manus Biggs (Galway)  
Alan Holmes (UCL, London/GlaxoSmithKline)  
Colin Jahoda (Durham)

Erik Sahai (The Crick, London)  
Michelle Peckham (Leeds)  
Peter Friedl (The Netherlands)  
Kenneth Yamada (NIH, USA)  
Michael Schmidt (Liverpool)  
Rama Khokha (Toronto, Canada)  
David Abraham (UCL, London)