



Celebrating 40 years of BSMB
Online Spring meeting April 12-13th 2021
University of Oxford
'Inflammation, Fibrosis, Resolution & the Matrix'

Monday 12th April 2021

13.00-13.10	Opening remarks - Welcome and Introduction
	Associate Professor Stephanie Dakin

SESSION 1: INFLAMMATION AND THE MATRIX		
Chairs: Prof Stephanie Dakin		
13.10-13.40	Inflammation or damage: Fibroblasts decide	Prof Christopher Buckley Oxford & Birmingham Universities
13.40	Pyruvate dehydrogenase kinases as a potential target in the treatment of OA	Alexandra Damerau Charité Berlin
13.55	Interplay of tensin 3 with mechanosensors talin & vinculin regulates fibronectin remodelling	Rafaella Konstantinou Manchester University
14.10-14.40	Inflammatory cues from the matrix	Prof Kim Midwood Oxford University

Tea, coffee and poster break out rooms 14.40-15.30

SESSION 2: FIBROSIS AND THE MATRIX		
Chair: Dr Blandine Poulet		
15.30-16.00	10 years of matrisome research: How big data can help advance our understanding of the roles of the ECM in health and disease	Dr Alexandra Naba Illinois University
16.00-16.15	Peptide location fingerprinting enables identification of ECM proteins with age related modifications in human connective tissues	Alexander Eckersley Manchester University
16.15-16.30	A supracellular actin network co-ordinates extracellular matrix anisotropy in fibrotic fibroblasts	Fiona Nuala Kenny Kings College London
16.30-16.45	Heterogeneity of skin fibroblasts	Prof Fiona Watt Kings College London

FELL-MUIR LECTURE AWARD		
Chair: Prof John Couchman		
16.45-17.30	Prof Andy Pitsillides	Royal Veterinary College

Tuesday 13th April 2021

SESSION 3: RESOLUTION OF INFLAMMATION AND FIBROSIS IN THE MATRIX		
Chair: Prof Stephanie Dakin		
12.00-12.30	Annexin-A1 attenuates myocardial inflammation and fibrosis in mice with inflammatory arthritis	Dr Lucy Norling Queen Mary University London
12.30-12.45	The cardiac basement membrane: an important determinant in cardiac function & disease	Erin Boland Glasgow University
12.45-13.00	A stiff stroma stimulates inflammation to promote breast tumour progression	Mary-Kate Hayward University of California, San Francisco
13.00-13.30	Resolution is not the end of acute inflammation	Prof Derek Gilroy University College London

Lunch break & and poster break out rooms 13.30-14.15

SESSION 4: HOT TOPICS		
Chair: Dr Katarzyna Pirog		
14.15-14.30	Dysregulated ECM mechano-tension dictates tendon fibrogenic transcription in systemic sclerosis	Amro Hussein ETH Zurich
14.30-14.45	Murine joint destabilisation induces shear-responsive gene expression in superficial cartilage which can be modified by phospholipid-based lubricant	Vicky Batchelor Oxford University
14.45-15.00	PCPE-1 is a marker of myocardial fibrosis & impaired cardiac function in a murine model of pressure overload	Priscillia Lagoutte Lyon University
15.00-15.15	Muscle fibrosis: a vicious circle between human non-myogenic cells & muscle fibers	Laura Muraine Sorbonne University

Coffee break 15.15-15.45

SESSION 5: INFLAMMATION & FIBROSIS IN THE MATRIX: TRANSLATIONAL SOLUTIONS Chair: Prof Anna Piccinini		
15.45-16.15	A critical role of the extracellular protein SPARC in tendon tissue maturation and homeostasis	Prof Andreas Traweger Paracelsus Medical University Salzburg
16.15-16.30	A common SNP risk variant MT1-MMP causative for Dupuytren's Disease has a specific defect in collagenolytic activity	Yoshifumi Itoh Oxford University
16.30-16.45	Using phenotypic screening to identify novel treatments for fibrotic disorders	Alice Laphorn Anglia Ruskin University
16.45-17.15	Targeting the NF-kB subunit c-Rel to disable metabolic stimulation of fibrosis	Prof Derek Mann Newcastle University

17.15 Presentation of Prizes & Close of Meeting Chair: Prof Stephanie Dakin Introduce Autumn 2021 meeting- Dr Katarzyna Pirog
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