

# Program

**BMED904 Matrix Biology June 7-11**

**DIKU summer school June 9-11**

Time	Title	Speakers
<b>Monday June 7 Extracellular matrix</b>		
9.15-10.00 10.15-11.00	Introduction to extracellular matrix	<b>Donald Gullberg, UiB</b>
11.15-12.00	Imaging in biomedical research	<b>Frits Thorsen UiB</b>
12.00-13.00	Lunch	
13.00-14.00	Proteoglycans, cell-matrix receptors	<b>Marion Kusche-Gullberg UiB</b>
14.15-16.00	Presentation student group work	<b>Marion Kusche-Gullberg UiB</b>
	Presentation lab work	<b>Ning Lu UiB</b>
<b>Tuesday June 8 Extracellular matrix</b>		
9.15-10.00	To be announced	<b>Kalle Sipilä, London, UK</b>
10.15-11.00 11.15-12.00	Artificial matrices for stem cell culture	<b>Cathy Merry, Nottingham UK</b>
12.15-13.00	Lunch	
13.15-13:45	The brain matrix and its potential role in disease	<b>Joanna Phillips UCSF, USA</b>
14.00-16.00	Lab work/demonstration Student group work	
<b>Wednesday June 9 Fibroblasts</b>		
8.30-9.15	Fibroblasts in fibrosis research	<b>Donald Gullberg, UiB</b>
09.30-10.15 10.30-11.15	Collagens and cell-collagen interactions	<b>Ritva Heljasvaara Oulu Univ, Finland</b>
11.15-12.15	Lunch	
12.15-13.00	Fibroblast cell migration	<b>Sergey Plotnikov, UoT, Canada</b>
13.15-14.00	Traction Force microscopy	<b>Sergey Plotnikov, UoT, Canada</b>
14.15-15.00	Myofibroblasts	<b>Ronen Schuster, UoT, Canada</b>
15.00- 17.00	Demonstration labwork Student group work	<i>Digital</i>

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Thursday June 10 <b>TISSUE FIBROSIS</b>		
09.15-10.00	Laminin- muscular dystrophy	<b>Madeleine Durbeej- Hjalt</b> <i>Lund Univ. Sweden</i>
10.15-11.00	Heart Fibrosis 1	<b>Andreas Romaine, UiO,</b> <i>Norway</i>
11.15- 12.00	Lunch	
12.00- 13.00	Methods for discovery of new proteins that mediate remodeling of the extracellular matrix	<b>Chris McCulloch UoT,</b> <i>Canada</i>
13.15- 14.00	Heart Fibrosis 2	<b>Wayne Carver USC, USA</b>
14.30-15.15	The multifaceted role of CCN proteins in fibrotic stroma	<b>Andrew Leask USask,</b> <i>Canada, CCBIO seminar</i>
15.15-17.00	Demonstrations/Lab work Student group work	
Friday June 11 <b>Tumor fibrosis</b>		
09.15-10.00	CAF heterogeneity 1	<b>Daniela E. Costea, UiB</b>
10.15-12.00	Presentation of group work	<b>Donald Gullberg, UiB</b> <b>Marion Kusche-Gullberg, UiB</b> <b>Ritva Heljasvaara, Oulu Univ, Finland</b>
12.00-13.15	Lunch	
13.15-14.00	CAF heterogeneity 2	<b>Roya Navab, UoT, Canada</b>
14.15-15.00	Mechanotransduction in cancer	<b>Roger Oria-Fernandez, UCSF, USA</b>
15.00-16.00	Integrins in fibrosis	<b>Martin Decaris, Pliant Therapeutics, USA.</b>

Place: the course will be held online using Zoom Webinar and Zoom Meeting.