

**SCIENTIFIC PROGRAM**

<b>Day 1   Wednesday, May 25th</b>	
09:15 - 09:45	<b>Registration</b>
09:45 - 10:00	<b>Welcome and opening ceremony</b> Rui L. Reis, Manuela E. Gomes & Ana Gonçalves (3B 's Research Group, University of Minho, Portugal)
	<b>Session I</b> Chairs: Manuela Gomes & Rui Reis
10:00 - 10:45	<b>Tendon aging &amp; degeneration: learning from 2D and 3D cellular models</b> Denitsa Docheva (Würzburg University, Germany)
10:45 - 11:15	<b>Coffee-Break   E-Poster &amp; Photo contest Sessions</b>
	<b>Session II</b> Chairs: Chris Evans & Ana Gonçalves
11:15 - 12:00	<b>The "Tendinopathy Triad" - Mechanosensing, ECM, and Inflammation?</b> Andreas Traweger (Paracelsus Medical University, Austria)
12:00 - 12:30	<b>Basic and Applied Research Collaboration Overview</b> Hollie Pietsch (US Army DEVCOM-Atlantic, Basic & Applied Research Team)
12:30 - 14:30	<b>Lunch</b>
	<b>Session III</b> Chairs: Márcia Rodrigues & Jess Gerrit Snedeker
14:30 - 15:15	<b>Tendon bioengineering – a clinician's perspective</b> Sebastian A. Müller (University Hospital Basel, Switzerland; Mayo Clinic)
15:15 - 16:00	<b>Engineering platelet-derived extracellular vesicles as cell-free therapies for tendon regeneration</b> Manuel Florit (Health Research Institute of the Balearic Islands, Spain)
16:00 - 17:30	<b>Get-together Reception</b>

Day 2   Thursday, May 26th	
	<b>Session I</b> Chairs: Manuela Gomes & Elizabeth Balmayor
	<b>Transversal Skills Training</b>
09:15 - 10:00	<b>Impact and exploitation – tips and tricks on the Horizon</b> Douglas Thompson (Sociedade Portuguesa de Inovação) Raquel Almeida (Sociedade Portuguesa de Inovação)
	<b>Session II</b> Chairs: Denitsa Docheva & Rui Domingues
10:00 – 10:45	<b>Defining the biochemical and biophysical cues that regulate tendon cell fate</b> Nathaniel Dymnt (University of Pennsylvania, USA)
10:45 - 11:15	<b>Coffee-Break   E-Poster &amp; Photo contest Sessions</b>
	<b>Session III</b> Chairs: Denitsa Docheva & Rui Domingues
11:15 – 12:00	<b>Mechanics and mechanisms of tendon disease and regeneration</b> Jess Gerrit Snedeker (ETH Zurich, Switzerland)
	<b>Short Oral Presentations</b>
12:00 -12:10	<b>Ciprofloxacin reveals structural but not mechanical changes in murine patellar tendon</b> Nicole A. Chittim (ETH Zurich, Switzerland)
12:10 - 12:20	<b>Hampering hypoxia and inflammatory cues in tendon cell behavior using magnetically-assisted cell sheet constructions</b> Adriana Vinhas (3B's Research Group, University of Minho, Portugal)
12:20 -12:30	<b>3D writing of a multicellular human tendon model</b> Rosa F. Monteiro (3B's Research Group, University of Minho, Portugal)
12:30 – 14:30	<b>Lunch</b>

	<b>Session IV</b> <b>Chairs: Manuela Gomes &amp; Andreas Traweger</b>
14:30 - 15:15	<b>Non-viable cables to dynamic, complex, biological structures – where next for the tendon?</b> Nicholas Forsyth (Keele University, UK)
	<b>Short Oral Presentations</b>
15:15 - 15:30	<b>Loss of tensional homeostasis mediates angiogenic signaling in tendon disease</b> Maja Wolleb (ETH Zurich, Switzerland)
15:30 - 15:45	<b>Bioinspired composite hydrogels direct stem cell fate toward tenogenesis by synergistically modulating growth factor signalling and local microtopography</b> Simão P. B. Teixeira (3B's Research Group, University of Minho, Portugal)
15:45 - 16:00	<b>Human 3D tendon-on-a-chip: a microscale physiomimetic model to interrogate multicellular crosstalk in tendinopathy</b> Syeda M. Bakht (3B's Research Group, University of Minho, Portugal)
16:00 – 16:30	<b>Coffee-Break   E-Poster &amp; Photo contest Sessions</b>
	<b>Session V</b> <b>Chairs: Jess Snedeker &amp; Hazel Screen</b>
16:30 – 17:30	<b>Round Table</b> <u>Consortium:</u> Manuela Gomes (3B's Research Group, Portugal) Dimitrios Zeugolis (University College Dublin, Ireland) Denitsa Docheva (Würzburg University, Germany)  <u>Advisory Board:</u> Chris Evans (Mayo Clinic, USA) Elizabeth Balmayor (Uniklinik RWTH AC, Germany) Jess Snedeker (ETH Zurich, Switzerland) Hazel Screen (Queen Mary University of London, UK)

Day 3   Friday, May 27th	
09:15 – 10:00	Progress meeting (Restricted) & <i>Achilles Retreat</i>
	Session I Chairs: Dimitrios Zeugolis & Nathaniel Dymant
10:00 - 10:45	<b>Tendon cell populations and drivers of tendinopathy</b> Hazel Screen (Queen Mary University of London, UK)
10:45 - 11:15	Coffee-Break   E-Poster & Photo contest Sessions
11:15 -12:00	<b>Mechanics or Metabolism – what is more important for Achilles tendinopathy rehabilitation?</b> Kirsten Legerlotz (University of Berlin, Germany)
12:00 – 12:30	Closing ceremony