

	EMC European Muscle Conference 2026					
	SUNDAY	MONDAY	TUESDAY	WEDNESDAY		
	September 6	September 7	September 8	September 9		
09:00 - 09:30	ECA (Early Careers Association) SYMPOSIUM	S01 - Regulation of Contraction by Thick and Thin Filament Chair: Malcolm Irving, King's College London, UK	S05 - Data Science in Muscle: from -omics to Physiology Chair: Manuel Mayr, Imperial College London, UK	S08 - Cardiomyopathies Chair: Gavin Oudit, University of Alberta, Edmonton, CA	09:00 - 09:30	
09:30 - 10:00					09:30 - 10:00	
10:00 - 10:30					10:00 - 10:30	
10:30 - 11:00		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	10:30 - 11:00	
11:00 - 11:30			S06 - Muscle Energetics Chair: Sergej Pirkmajer, University of Ljubljana, SLO	S09 - Skeletal Myopathies Chair: Lilli Winter, Medical University, Vienna, AT	11:00 - 11:30	
11:30 - 12:00					11:30 - 12:00	
12:00 - 12:30					12:00 - 12:30	
12:30 - 13:00			LUNCH and POSTER SESSION (Session 1 - 5)	LUNCH and POSTER SESSION (Session 6 - 10)	LUNCH	12:30 - 13:00
13:00 - 13:30						13:00 - 13:30
13:30 - 14:00					S10 - Innovations in Human Disease Models Chair: Francesco Saverio Tedesco, Francis Crick Institute, London, UK	13:30 - 14:00
14:00 - 14:30	EMC REGISTRATION	S03 - Cytoskeleton Chair: Elisabeth Ehler, King's College London, UK	S07 - Muscle Mechanobiology Chair: Giancarlo Forte, King's College London, UK		14:00 - 14:30	
14:30 - 15:00					14:30 - 15:00	
15:00 - 15:30					CLOSING SESSION and AWARDS	15:00 - 15:30
15:30 - 16:00		COFFEE BREAK	ESMR Meeting and INDUSTRY Presentations		15:30 - 16:00	
16:00 - 16:30	16:00-16:15 OPENING SESSION	S04 - Muscle Structure Chair: Mathias Gautel, King's College London, UK			16:00 - 16:30	
16:30 - 17:00	16:15-17:15 EMC KEYNOTE LECTURE				16:30 - 17:00	
17:00 - 17:30					17:00 - 17:30	
17:30 - 18:00	From 17:15 EMC WELCOME RECEPTION				17:30 - 18:00	
18:00 - 18:30					18:00 - 18:30	
18:30 - 19:00					18:30 - 19:00	
19:00 - 19:30			EMC SIDE EVENT	EMC CONFERENCE DINNER	19:00 - 19:30	
19:30 - 20:00	ECA SIDE EVENT				19:30 - 20:00	
20:00 - 20:30					20:00 - 20:30	
20:30 - 21:00		Visit to the Natural History Museum	Boat trip on the Danube		20:30 - 21:00	
21:00 - 21:30					21:00 - 21:30	

EMC European Muscle Conference 2026 - Programme in Detail

SUNDAY - 6 September			
Time	Role / programme item	Participant and affiliation	Presentation / details
10:00 - 14:00	ECA (Early Careers Association) SYMPOSIUM		
14:00 - 16:00	EMC REGISTRATION		
16:00 - 16:15	EMC OPENING SESSION		
16:15 - 17:15	EMC KEYNOTE LECTURE: Eric Hoffman (Binghamton University)		
17:15 - 19:30	EMC WELCOME RECEPTION		
19:30 - 21:30	ECA SIDE EVENT		

MONDAY - 7 September			
Time	Role / programme item	Participant and affiliation	Presentation / details
09:00 - 10:30	S01 - Regulation of Contraction by Thick and Thin Filament		
	Chair	Malcolm Irving, King's College London, UK	
	Invited speaker	Luca Fusi, King's College London, UK	Visualising thin- and thick-filament activation across regulatory zones of the sarcomere
	Invited speaker	Neil Kad, University of Kent, Canterbury, UK	Imaging the molecular origins of the cardiac reserve and its implications for cardiac disease
	Contributed talk	Weikang Ma, Illinois Institute of Technology, US	Porcine Left Atrial and Ventricular Thick Filaments Exhibit Distinct Resting Structures and Calcium-dependent Responses
	Contributed talk	Belinda Bullard, Department of Biology, University of York, UK	Tropomyosin as a stretch sensor in the activation of insect flight muscle
10:30 - 11:00	COFFEE BREAK		
11:00 - 12:30	S02 - Excitation-Contraction Coupling		
	Chair	Bruno Allard, University Bernard Lyon, FR	
	Invited speaker	Bradley Launikonis, UQ, Brisbane, AU	Muscle-based non-shivering thermogenesis during increasing cold stress
	Invited speaker	Marta Di Campiglio, Innsbruck, AT	The Mystery of Skeletal Muscle EC Coupling: The Missing Link Between Voltage Sensing and RyR1 Activation
	Contributed talk	Theresa Hofmann, Universitätsklinikum Münster, DE	Trdn-as directs m6A-dependent transcriptional termination for accurate triadin isoform switching, preventing aberrant dyads and cardiomyopathy
	Contributed talk	Vincent Jacquemond, CNRS-Univ Lyon 1 UMR5261 - Inserm U1315, FR	Excitation-contraction coupling dysfunction in muscle fibers from a mouse model of spinal muscular atrophy
12:30 - 14:00	LUNCH and POSTER SESSION (Sessions 1 - 5)		
14:00 - 15:30	S03 - Cytoskeleton		
	Chair	Elisabeth Ehler, King's College London, UK	
	Invited speaker	Henk Granzier, University of Arizona, Tucson, US	Z-disk Thickness Regulation is Independent of Titin and Nebulin Z-repeats
	Invited speaker	Nicole Dubois, Icahn School of Medicine at Mount Sinai, NY, US	Mechanisms of local translation at the sarcomere and the role of LARP1 in cardiac growth
	Contributed talk	Matthew Stroud, King's College London, UK	Harnessing nucleoskeleton remodelling to mitigate muscle decline
	Contributed talk	Mónika Gönczi, University of Debrecen, HU	Alteration of septin expression, co-localization of cytoskeletal proteins, cell cycle progression, and calcium handling in Septin7 knockdown myogenic cell line
15:30 - 16:00	COFFEE BREAK		
16:00 - 17:30	S04 - Muscle Structure		
	Chair	Mathias Gautel, King's College London, UK	
	Invited speaker	Charlie Scarff, University of Leeds, UK	
	Invited speaker	Roberto Dominguez, University of Pennsylvania, US	A Structural–Functional Perspective on Thin Filament Length Regulation
	Contributed talk	Alicia Peschel, Max Planck Institute of Molecular Physiology, Dortmund, DE	Structural investigation of the jellyfish sarcomere by cryo-electron tomography
	Contributed talk	Aditya Aniruddha Sane, IBDM Marseille, FR	DNA-PAINT imaging reveals a thick filament subdivision in Drosophila sarcomeres required to power flight
17:30 - 18:30	Transfer to Side Event		
18:30 - 21:30	EMC SIDE EVENT - Visit to the Natural History Museum		

TUESDAY - 8 September			
Time	Role / programme item	Participant and affiliation	Presentation / details
09:00 - 10:30	S05 - Data Science in Muscle: from -omics to Physiology		
	Chair	Manuel Mayr, Imperial College London, UK	
	Invited speaker	Manuel Mayr, Imperial College London, UK	The proteomics landscape of dilated cardiomyopathy: assessing the interplay of comorbidities and pathogenic variants
	Invited speaker	Marcus Krueger, University of Cologne, DE	Spatial proteomics identifies FXVD6 as a dual-site protein of neuromuscular junction in the diaphragm
	Contributed talk	Alexandra Winant, University of Copenhagen, DK	Integrated single-myofiber multi-omics links inflammatory state to myosin energetics in ICU-acquired weakness
	Contributed talk	Cinzia Barresi, Medical University of Vienna, AT	Analysis of the MuSK interactome identifies a novel regulator of neuromuscular junction development
10:30 - 11:00	COFFEE BREAK		
11:00 - 12:30	S06 - Muscle Energetics		
	Chair	Sergej Pirkmajer, University of Ljubljana, SLO	
	Invited speaker	Eili Tranheim Kase, University of Oslo, NO	The SGLT2 inhibitor empagliflozin promotes increased fatty acid oxidation in skeletal muscle cells
	Invited speaker	Nejc Umek, University of Ljubljana, SLO	A muscle-enriched intracellular lipid-remodelling pathway regulates skeletal muscle energetics and whole-body energy expenditure
	Contributed talk	Jana Disch, IMSB Universität Stuttgart, DE	A computer model of integrated glycolytic and mitochondrial ATP synthesis to uncover proton dynamics in active skeletal muscle fibers
	Contributed talk	Maria Jolanta Rędownicz, Nencki Institute of Experimental Biology, Warszawa, PL	Myosin VI Regulates Myoblast Fusion Through Redox-Dependent Mechanisms
12:30 - 14:00	LUNCH and POSTER SESSION (Sessions 6 - 10)		
14:00 - 15:30	S07 - Muscle Mechanobiology		
	Chair	Giancarlo Forte, King's College London, UK	
	Invited speaker	Dominic del Re, Rutgers New Jersey Medical School, US	Novel insights into the regulation of metabolic adaptation and dysfunction in the heart
	Invited speaker	Giancarlo Forte, King's College London, UK	
	Contributed talk	Annika J. Klotz, University of Muenster, DE	Loss of titin-based elasticity elevates end-diastolic pressure through geometric remodelling
	Contributed talk	Michiel Helmes, Amsterdam University Medical Centre, NL	Dynamic loading of Engineered Heart Tissue: measuring workloads
15:30 - 17:00	ESMR Meeting and INDUSTRY Presentations		
17:00 - 18:30	Transfer to Conference Dinner		
18:30 - 21:30	EMC CONFERENCE DINNER - Boat trip on the Danube		

WEDNESDAY - 9 September			
Time	Role / programme item	Participant and affiliation	Presentation / details
09:00 - 10:30	S08 - Cardiomyopathies		
	Chair	Gavin Oudit, University of Alberta, Edmonton, CA	
	Invited speaker	Gavin Oudit, University of Alberta, Edmonton, CA	Prognostic Utility of Cardiovascular Magnetic Resonance-Based Phenotyping in Patients With Muscular Dystrophy
	Invited speaker	Attila Kiss, Medical University Vienna, AT	
	Contributed talk	Callum Dark, Murdoch Children's Research Institute, Melbourne, AU	Making mature muscle: Investigating metabolic and developmental pathways for improving the maturation of bioengineered muscle
	Contributed talk	Tania Incitti, AstraZeneca AB, SE	Advanced in vitro modelling of human skeletal muscle enables physiologically relevant target validation
10:30 - 11:00	COFFEE BREAK		
11:00 - 12:30	S09 - Skeletal Myopathies		
	Chair	Lilli Winter, Medical University, Vienna, AT	
	Invited speaker	Andreas Roos, University Duisburg-Essen, DE	The clinical, genetic and pathophysiological landscape of protein aggregation myopathies
	Invited speaker	Alessandra Ruggieri, Fondazione IRCCS Istituto Neurologico Carlo Besta, Milan, IT	From PLIN4 Aggregates to Aggrephagy: Lessons for Muscle Disorders
	Contributed talk	Ana Isabel Antunes Gonçalves, Medical University of Vienna, AT	Blocking IL-6 Reverses Multi-Organ Dysfunction in Cancer Cachexia
	Contributed talk	Wolfgang Linke, University of Münster, DE	Selective titin cleavage primarily inhibits cardiac elastic recoil to induce diastolic dysfunction and proliferation of fibroblasts
12:30 - 13:30	LUNCH		
13:30 - 15:00	S10 - Innovations in Human Disease Models		
	Chair	Francesco Saverio Tedesco, Francis Crick Institute, London, UK	
	Invited speaker	Francesco Saverio Tedesco, UCL/Francis Crick Institute, London, UK	Engineering human skeletal myogenesis for advanced disease and therapy modelling
	Invited speaker	Lavinia Ginistrelli, IMBA, Vienna, AT	Dissecting the human fetal cardiac injury response using cardioids
	Contributed talk	Fernando Ribeiro, Uppsala University, SE	Myosin Post-Translational Modifications Associated With Critical Illness Myopathy
	Contributed talk	Patryk Konieczny, Adam Mickiewicz University, PL	DP71 uncouples early survival from functional differentiation in dystrophin-deficient muscle
15:00 - 16:00	CLOSING SESSION and AWARDS		