

EEM 2026 Programme - overview

Tuesday 18 August	Wednesday 19 August	Thursday 20 August	Friday 21 August
Registration, 08.30-09.00	Registration, 08.30-09.00	Registration, 08.30-09.00	
Young Investigators 09.00-12.00 <i>Chairs: Andrea Heinz & Christine Chuang</i> <i>Senior researchers are welcome</i>	Elastin in Vascular, Pulmonary, and Skin Aging and Disease & treatment options and therapeutic advances? With Hiromi Yanagisawa & selected abstracts 09.00-12.00 Chairs: Mike Sherratt & Gilles Faury	Elastin-Based Biomaterials for Tissue Regeneration with Tony Weiss & selected abstracts 09.00-12.00 Chairs: Willeke Daamen & Carlos Rodríguez-Cabello	Collaboration and joint funding activities (informal networking with Andrea) 10.00-12.00 <i>(please contact Andrea if this is in your interest)</i>
Lunch & Registration, 12.00-13.45	Lunch, 12.00-13.00	Lunch, 12.00-13.00	
Opening with Andrea Heinz 13.50-14.00	Influence of developmental cell origin on aneurysm formation in lysyl oxidase deficiency - Carmen Halabi 13:00-13:30	Elastin-Derived Bioresponsive Hydrogels for Targeted Drug Delivery in Inflammatory Skin Diseases Andrea Heinz 13:00-13:30	
Elastin and Elastic Fibers: Structure, Assembly, and Function with Dieter Reinhardt & selected abstracts 14.00-16.30 Chairs: Laurent Debelle & Clair Baldock	Elastin-Related Signaling with Sébastien Blaise & selected abstracts 13.30-16.00 Chairs: Brigida Bochicchio & Tony Weiss	Emerging Techniques to Study Elastin and Elastic Fibers with Clair Baldock & selected abstracts 13.30-16.30 Chairs: Stéphanie Baud og Michael Davies	
	17:00-18:00 Social Event - Copenhagen Canal Tour		
	18:00-22:00 Gala Dinner		



EEM 2026 Programme - Tuesday 18th August

08.30-09.00 Registration	
09.00-12.00 Young Investigators <i>(Senior researchers are welcome)</i> Chairs: Andrea Heinz & Christine Chuang	09.00-09.10 Andrea Heinz (Denmark)
	09.10-09.30 Modifier role of perlecan in renal microvascular dysfunction in a Marfan syndrome mouse model Virginia Chaves Barbosa
	09.30-09.50 Bioinspired elastin-like polypeptides as a versatile platform for hydrogel formation Alice Delhaes
	09.50-10.10 A Novel, Preclinical Model of Patient-Specific Fbn1 Exon 30 Deletion Recapitulates Neonatal Marfan Syndrome Elizabeth Rush
	10.10-10.30 Targeting miR-29 through engineered tropoelastin mRNA formulated in lipid nanoparticles to restore ELN expression and limit pulmonary cellular senescence Thibault Massias
	10.30-11.00 Coffee break
	11.00-11.20 Cooperative Coupling of Hydrophobic Interactions and Crosslinking Reveals Atomistic Mechanisms of Tropoelastin Assembly Yu-Bai Xiao
	11.20-11.40 Elastin Proteomics - Developing LC-MS Workflows to Enhance Elastin Analysis Jacob Alexander Heeckt
	11.40-12.00 Investigating plaque specific degradation patterns of elastin and other ECM proteins in Atherosclerosis using N-terminal proteomics Nicoline Wichmand Thorsen

12.00-13.45 Lunch & Registration	
13.50-14.00 Opening Andrea Heinz	
14.00-16.30 Elastin and Elastic Fibers: Structure, Assembly, and Function Chairs: Laurent Debelle & Clair Baldock	14.00-14.45 Mechanisms of elastic lamellae in the aortic wall Dieter Reinhardt (Canada)
	14.45-15.15 Searching for the Evolutionary Origin of Tropoelastin Fred Keeley
	15.15-15.30 Coffee break
	15.30-16.00 Aging of the elastic extracellular matrix: from molecules to tissues Anna Tarakanova
	16.00-16.30 Multiscale Mechanics and Structural Integrity of Arterial Elastin in Aging Yanhang (Katherine) Zhang



EEM 2026 Programme - Wednesday 19th August

08.30-09.00 Registration	
09.00-12.00 Elastin in Vascular, Pulmonary, and Skin Aging and Disease & treatment options and therapeutic advances? Chairs: Mike Sherratt & Gilles Faury	09.00-09.45 When the Matrix Fails: ECM Control of Aortic Wall Integrity Hiromi Yanagisawa (Japan)
	09.45-10:15 Conditional inactivation of Adamts6 increased longevity and improved aortic wall structure in Marfan syndrome Timothy Mead
	10.15-10.30 Coffee break
	10.30-11.00 A genetic mouse model of cutis laxa reveals immune-driven descending and abdominal aortic aneurysms Jeroen Essers
	11.00-11.30 Impact of Estradiol-Priming on Elastic Matrix Regenerative Properties of Stem Cell Extracellular Vesicles Anand Ramamurthi
	11.30-12.00 Dill extract induces elastic fibers preservation/neosynthesis and improves the aortic function in adult and aged male and female mice Gilles Faury
	12.00-13.00 Lunch
13:00-13:30 Influence of developmental cell origin on aneurysm formation in lysyl oxidase deficiency Carmen Halabi	

13.30-16.00 Elastin-Related Signaling Chairs: Brigida Bochicchio & Tony Weiss	13:30-14:15 The elastin receptor complex: from a signaling receptor to a glyco-regulatory hub Sébastien Blaise (France)
	14:15-14.45 Interaction of elastin-derived peptides with model lipid membranes Laurent Debelle
	14:45-15:00 Coffee break
	15:00-15.30 Understanding the molecular mechanisms underlying the binding selectivity of human EBP toward elastin peptides and galactosugars Stéphanie Baud
	15:30-16.00 Detecting and quantifying native and modified proteins in extracellular matrices Michael Davies
17:00-18:00 Social Event - Copenhagen Canal Tour	
18:00-22:00 Gala Dinner	



EEM 2026 Programme - Thursday 20th August

08.30-09.00 Registration	
09.00-12.00 Elastin-Based Biomaterials for Tissue Regeneration Chairs: Willeke Daamen & Carlos Rodríguez-Cabello	09.00-09.45 Tropoelastin as a driver of 3D complex architectures and cell performance Tony Weiss (Australia)
	09.45-10:15 Photolabile elastin-like recombinamer hydrogels for dynamic modulation of cell-instructive microenvironments Pablo Rodríguez-Alonso
	10.15-10.30 Coffee break
	10.30-11.00 Elastogenic compounds modulating extracellular matrix production in vitro Willeke Daamen
	11.00-11.30 Electrospun Scaffold enriched with bioactive molecules as nanofibered medical devices Brigida Boichichio
	11.30-12.00 Elastin-like recombinamer hydrogels as multiphase and mechanically active matrices for instructive tissue regeneration José Carlos Rodríguez-Cabello
	12.00-13.00 Lunch
13:00-13:30 Elastin-Derived Bioresponsive Hydrogels for Targeted Drug Delivery in Inflammatory Skin Diseases Andrea Heinz	

13.30-16.15 Emerging Techniques to Study Elastin and Elastic Fibers Chairs: Stéphanie Baud og Michael Davies	13:30-14:15 Structural basis for the contribution of latent TGFβ binding protein to TGFβ latency and activation Clair Baldock (United Kingdom)
	14:15-14.45 Revisiting Elastin Recoil: Shear-Driven Molecular Stretching in Hydrated Intact Fibres Revealed by Solid-State NMR Uliana Bashtanova
	14:45-15:00 Coffee break
	15:00-15.30 An integrative machine learning approach to classify cutis laxa syndromes, supported by electron microscopy Bert Callewaert
	15:30-16.00 Biomechanical and extracellular matrix changes in young and menopausal forearm skin Michael Sherratt
	16.00-16.15 Obesity-associated remodeling of the lung matrisome is linked to elastic fiber alterations and features of premature aging Veronika Lukacs-Kornek
	16.15-16.30: Closing remarks Andrea Heinz

