

EEM 2026 Programme

Tuesday 18 August

Registration, 08.30-09.00

Young Investigators

09.00-12.00

Chairs: Andrea Heinz & Christine Chuang

Senior researchers are welcome

Lunch & Registration, 12.00-13.45

Opening with Andrea Heinz
13.50-14.00

Elastin and Elastic Fibers: Structure, Assembly, and Function
with Dieter Reinhardt & selected abstracts

14.00-16.30

Chairs: Laurent Debelle & Clair Baldock

Wednesday 19 August

Registration, 08.30-09.00

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

Lunch, 12.00-13.00

Influence of developmental cell origin on aneurysm formation in lysyl oxidase deficiency - Carmen Halabi
13:00-13:30

Elastin-Related Signaling
with Sébastien Blaise & selected abstracts

13.30-16.00

Chairs: Brigida Bochicchio & Tony Weiss

17:00-18:00
Social Event - Copenhagen Canal Tour

18:00-22:00
Gala Dinner

Thursday 20 August

Registration, 08.30-09.00

Elastin-Based Biomaterials for Tissue Regeneration

with Tony Weiss & selected abstracts

09.00-12.00

Chairs: Willeke Daamen & Carlos Rodríguez-Cabello

Lunch, 12.00-13.00

Elastin-Derived Bioresponsive Hydrogels for Targeted Drug Delivery in Inflammatory Skin Diseases
Andrea Heinz
13:00-13:30

Emerging Techniques to Study Elastin and Elastic Fibers
with Clair Baldock & selected abstracts

13.30-16.30

Chairs: Stéphanie Baud og Michael Davies

Friday 21 August

Collaboration and joint funding activities
(informal networking with Andrea)

10.00-12.00

(please contact Andrea if this is in your interest)



EEM 2026 Programme - Tuesday 18th August

08.30-09.00 Registration	
09.00-12.00 Young Investigators (Senior researchers are welcome) 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 Coordinating Elastogenesis: Functional Interactions in Elastic Fiber Formation 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 Sébastien Blaise (France)
	14:15-14.45 Interaction of elastin-derived peptides with model lipid membranes Laurent Debelles
	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 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 Bochicchio
	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	

