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, 12.00-13.15

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

13.30-16.00
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

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
Nicoline Wichmand Thorsen

12.00-13.15
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
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

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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
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 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
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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
Instructing Mesenchymal Stromal Cell Functions for Biomedical Applications
Giselle Yeo

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

13.30-16.00
Emerging Techniques to Study Elastin and Elastic Fibers

Chairs: Stéphanie Baud og Michael Davies

13:30-14:15
Clair Baldock (UK)

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

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