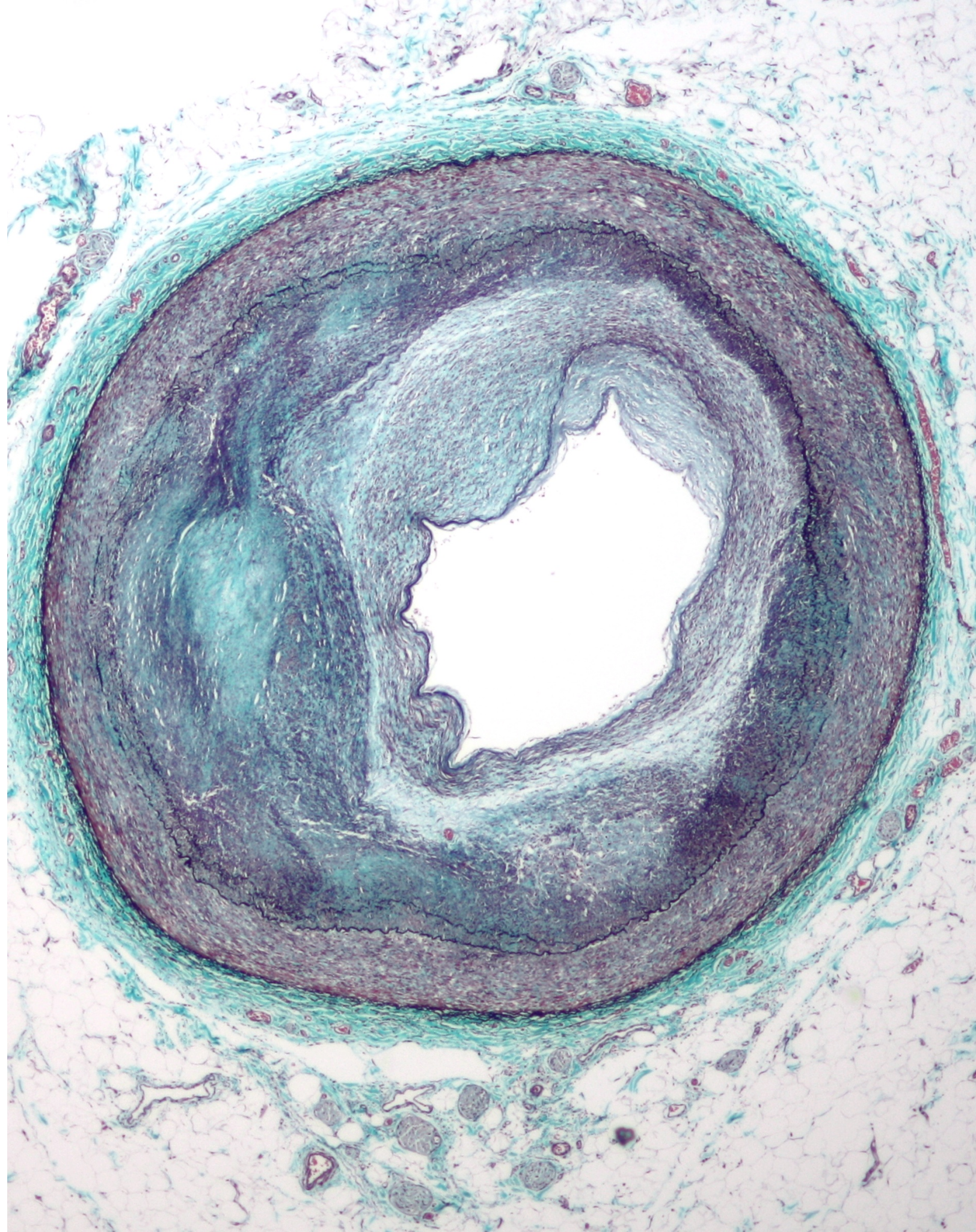


Dutch Atherosclerosis  
Society

**DAS**  
**2025**



From diversity in research to  
clinical impact





DAS 2025

# PROGRAM

- 3 sessions with 15 talks
- 6 flash talks
- 1.5 hour poster & lunch session
- 9 institutes represented
- Free lunch and drinks
- Talks covering the areas of immunology and dyslipidemia, to genomics and multi-omics, deep-phenotyping and cellular aging, and single-cell and clinical studies.
- 2 keynote speakers

This year's **DAS 2025** will offer an exciting and inspiring program.

**A diversity of speakers** will take the stage and present the latest research in the field of *immunology, dyslipidemia, single-cell* and *clinical studies, genomics* and *multi-omics*, and on the progress of *deep-phenotyping* and *cellular aging* of vascular pathology.

There will be **3 sessions** with **9 talks of 15 minutes** (10 minutes talk, 5 minutes discussion), and **6 flash talks of 3 minutes** each. This year we will have two Keynote lectures: professors Lars Maegdefessel will discuss his lab's investigation of smooth muscle cell plasticity with multi-omics, and professor Gerard Pasterkamp will discuss how the diversity of atherosclerosis impacts treatment responsiveness.

Like last year, we will also have a **poster session** during lunch where you can mingle and discuss science.

At the end of the day we will be joining the National Lipid Day at the **Young Lipid Talent & DAS Awards** joint session.

Finally will **close off with drinks and finger food**.

09:00 - 09:30	<b>Registration &amp; Coffee</b>
09:30 - 09:35	<b>Welcome: Kick-off DAS 2025</b> Menno de Winther (Amsterdam UMC)
09:35 - 10:15	<b>Dutch Heart Foundation Lecture</b> Deciphering smooth muscle cell plasticity in atherosclerosis with multi-omics <i>Prof. Dr. Lars Maegdefessel (Technical University Munich)</i>
10:15 - 11:10	<b>Session 1: "Application of human cohorts &amp; 'omics'-approaches in atherosclerosis research"</b> Chair: Jeffrey Kroon (Amsterdam UMC)  <i>3x 10' talks with 5' discussion + 2x Flash talk 3'</i>  Intraplaque haemorrhage prediction using attention based multiple instance learning <i>Tim Peters (UMC Utrecht)</i>  X chromosome inactivation in atherosclerosis is linked to inflammation <i>Anna Spiering (UMC Utrecht)</i>  Atherosclerotic plaque fibroblasts originate from adventitial PDGFRA+ progenitor fibroblasts, and a minority acquires a SMC, EC, or Mφ-like fate in the plaque. <i>Guanliang Li (Maastricht UMC+)</i>  <i>Flash talk</i> Plasma circulating cell-free RNA as a candidate biomarker for calcification in advanced carotid atherosclerotic plaques <i>Jianming Wei (UMC Utrecht)</i>  <i>Flash talk</i> Unraveling the role of antigen-specific CD8+ T-cells in atherosclerosis <i>Eveline de Vlieger (LACDR, Leiden University)</i>
11:10 - 11:30	<b>Coffee break</b>

11:30 - 12:25	<b>Session 2: "Metabolism in atherosclerotic disease"</b> Chair: XXX (xxx)  <i>3x 10' talks with 5' discussion + 2x Flash talk 3'</i>  The aryl hydrocarbon receptor as novel regulator of atherosclerosis <i>Rosanna Huchzermeier (Uniklinik RWTH Aachen)</i>  Fingerprinting the macrophage: a metabolic and functional map of human macrophage polarization in response to 28 different stimuli <i>Lieve Temmerman (Maastricht University)</i>  Plasma Lipoprotein(a) levels are positively associated with interferon responsive monocytes in Black individuals – insights from single cell RNA sequencing <i>Benedek Halmos (UMC Groningen)</i>  <i>Flash talk</i> Bone marrow endothelial metabolism influences hematopoiesis and atherosclerosis: linking the bone marrow niche to plaque microenvironment <i>Sanne van Kesteren (Amsterdam UMC)</i>  <i>Flash talk</i> Untangling the inflammatory responses of liver x receptor (Ixr) activation in human macrophages <i>Lobke Zijlstra (Amsterdam UMC)</i>
12:25 - 12:35	<b>Sponsored talk</b> Unravelling the truth about Atherosclerosis, protein by protein <i>Patrick Bier (Olink)</i>
12:35 - 14:00	<b>Lunch break + Poster viewing &amp; judging</b>
14:00 - 14:30	<b>Keynote lecture</b> Atherosclerosis: diversity in presentation, mechanisms and treatment responsiveness <i>Prof. Dr. Gerard Pasterkamp (UMC Utrecht)</i>



14:30 - 15:20 **Session 3: "Inflammatory mechanisms in atherosclerosis"**  
Chair: YYY (yyy)

*3x 10' talks with 5' discussion + 2x Flash talk 3'*

IgE+CD63+ mast cells positively associate with neovascularization in advanced human atherosclerosis  
*Anish Kanhai (LACDR, Leiden University)*

Clonally expanded age-associated B-cells are highly activated and differentiate into antibody-secreting cells in atherosclerosis  
*Anna Witteveen (LACDR, Leiden University)*

Defining iron-associated immune cell heterogeneity in advanced atherosclerosis  
*Aniek Plug (Maastricht University)*

*Flash talk* Increased prevalence of antibody-secreting cells and atherosclerosis-associated auto-antibodies upon aging in *Ldlr* deficient mice  
*Sophieke Lems (LACDR, Leiden University)*

*Flash talk* The Calcium-Sensing Receptor (CaSR) plays a cell-specific multifaceted role in atherosclerosis  
*Sanne Maas (Uniklinik RWTH Aachen)*

15:20 - 15:30 **Coffee break & room switch**

15:30 - 16:30 **Young Lipid Talents & DAS-awards (joint session)**

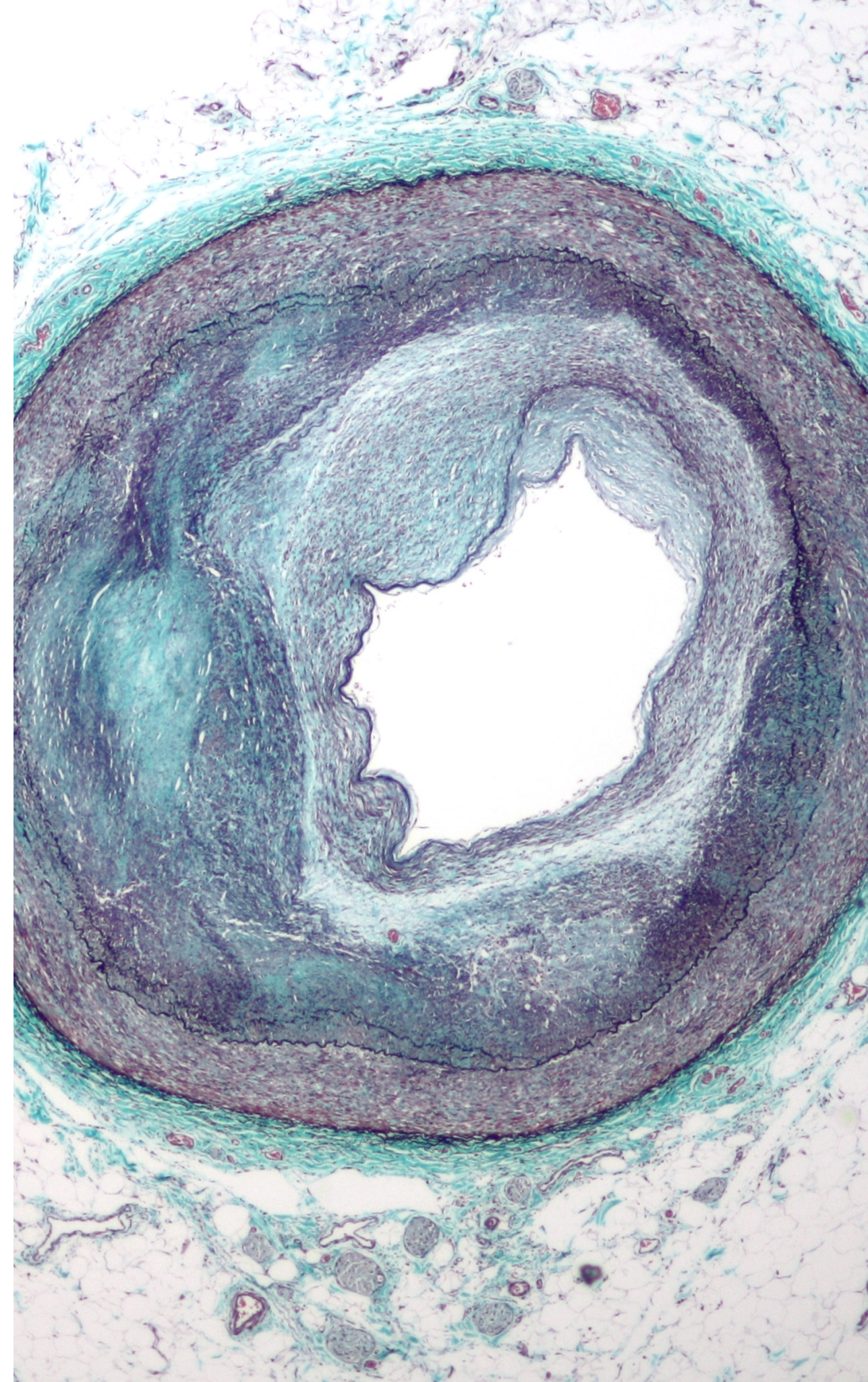
DAS chairs: Jeanine Roeters van Lennep (Erasmus MC) & XXX (xxx)

*DAS presenters*

Differences in calcification and inflammation between aortic valve stenosis with and without atherosclerosis  
*Eveline van Doorn (Radboudumc)*

Reduced postprandial lipid accumulation in circulating monocytes by olezarsen attenuates pro-inflammatory changes in hypertriglyceridemic patients  
*Merel Peletier (Amsterdam UMC)*

16:30 - 18:00 **Drinks and networking**





**DAS 2025**

# COLOFON

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The **DAS 2025** was organized by the DAS Board.

## **DAS Board**

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