

32nd ANNUAL MEETING - AAS

**of the
Austrian Atherosclerosis Society**



**May 9 – 10, 2025
Grundlsee**

www.aas.at

General Information



Organizing committee:

Dagmar Kratky
Renate Schreiber

Program committee:

Marion Mussbacher
Florentina Porsch
Johanna Schachtl-Riess

Venue:

Mondi Hotel Archkogel 31
8993 Grundlsee

Congress office, Registration & Sponsoring:



Medizinische Ausstellungs- und Werbegesellschaft
Freyung 6, 1010 Wien
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AAS – Society office:

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Registration link: <https://registration.maw.co.at/aas2025>

Dear colleagues and friends,

On behalf of the Executive Committee and the Program Committee, we would like to cordially welcome you to the 32nd Annual Meeting of the Austrian Atherosclerosis Society (AAS), which takes place for the first time at our new conference hotel Mondi at Grundlsee on May 9 and 10, 2025. We are all very excited and looking forward to an interesting conference at a beautiful location.

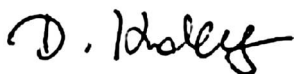
The topics presented by our invited speakers include the genetics of hypertriglyceridemia with insights into pathophysiology and risks (Anne Tybjærg Hansen, Copenhagen, Denmark), familial hypercholesterolemia in Denmark 1978 to 2025 (Borge Nordestgard, Copenhagen, Denmark), and insights into systemic versus local glutamine flux in atherosclerosis (Laurent Yvan-Charvet, Nice, France). Another highlight is the historical lecture by Rudolf Zechner (Graz, Austria) on the biochemistry and physiology of lipolysis.

Our program committee (Marion Mussbacher, Johanna Schachtl-Riess, Florentina Porsch) have put together a very stimulating program around the lectures by our invited speakers. As in previous years, the presentations of recent research results by congress participants will form an essential part of the program. Our meeting offers you all the opportunity to present and discuss your research findings in a nice and relaxed setting, listen to experts in the field, socialize and have fun.

11 DFP points have been registered for this event.

We would especially like to thank our sponsors, without whom it would not be possible to hold our annual meeting.

We are looking forward to your participation and an exciting conference.



Univ.-Prof. Dr. Dagmar Kratky
President AAS



Dr. Renate Schreiber
Secretary AAS

Our partner MAW (Katrin Doppler) is again in charge for the congress organization and on-site support.

Our congress will be held in the room Eugenia-Schwarzwald; appropriate signs will guide you there.

We kindly ask you to pay your contribution towards expenses in cash on site (AAS members € 120.–, non-members € 220.–). The annual AAS membership is also to be paid in cash on site at the registration desk (regular members € 60.–, students € 30.–).

For all AAS members who are listed on an abstract, the AAS will cover the costs of accommodation from May 9-10, 2025 and the society evening on Friday (further costs such as drinks from the mini-bar or other consumptions must be paid individually).

Presentations: 10 minutes plus 5 minutes for discussion. Please bring your presentation on a USB stick.

Posters: please remove your poster until midday on Saturday, May 10, 2025. Otherwise your poster will be disposed of.

11:00 – 11:05	Welcome from the AAS President Dagmar Kratky
11:05 – 12:50	Session 1: Decoding Cardiovascular Genetics: GWAS, CRISPR Models, and Risk Stratification Chair: Claudia Lamina
11:05 – 11:50	Keynote lecture 1 Anne Tybjaerg Hansen University of Copenhagen, Denmark <i>Genetics of hypertriglyceridemia: Insights into pathophysiology and risk</i>
11:50 – 12:05	Barbara Kollerits Medical University of Innsbruck, Austria <i>Meta-GWAS on serum afamin concentrations reveals associations of novel loci outside the ALB/AFP/AFM gene cluster</i>
12:05 – 12:20	Dina Alihodzic Medical University of Graz, Austria <i>CRISPR/Cas9 genome engineering to model TET2 mutant myeloid effector cells and its pro-atherogenic potential</i>
12:20 – 12:35	Eleonora Nardini Medical University of Vienna, Austria <i>Accumulation of senescent endothelial cells promotes atherosclerosis and cardiovascular disease</i>
12:35 – 12:50	Patrick Langthaler Medical University of Salzburg, Austria <i>Assessing the role of polygenic risk scores in cardiovascular risk prediction: A cross-sectional analysis from the paracelsus 10,000 cohort</i>
12:50 – 14:00	Lunch

14:00 – 15:45	Session 2: Immunity Under Pressure: Metabolic and Inflammatory Drivers of Cardiovascular Disease and Beyond Chair: Christoph Binder
14:00 – 14:45	Keynote lecture 2 Laurent Yvan-Charvet University of Nice, France <i>Systemic vs. local glutamine flux in atherosclerosis</i>
14:45 – 15:00	Melissa Zenker Medical University of Vienna, Austria <i>The role of SCAP in B cell activation</i>
15:00 – 15:15	Ana Zupcic Medical University of Vienna, Austria <i>The functions of B cells in myocardial infarction-accelerated atherosclerosis</i>
15:15 – 15:30	Viktoria Juhasz Medical University of Vienna, Austria <i>An APRIL-targeting immunotherapy for acute myocardial infarction</i>
15:30 – 15:45	Justine Deroissart Medical University of Vienna, Austria <i>Dyslipidemia alters the splenic IgM-secreting cells compartment in atherosclerotic mice</i>
15:45 – 16:05	Coffee Break & Exhibition

16:05 – 17:35	Session 3: Beyond the Heart: Unraveling the Multi-Organ Effects of Metabolic and Immune Dysregulation Chair: Renate Schreiber
16:05 – 16:20	Andreas Prokesch Medical University of Graz, Austria <i>Adipocyte p53 coordinates adipose tissue metaflammation and response to intermittent fasting</i>
16:20 – 16:35	Constanze Hoebinger Medical University of Vienna, Austria <i>Ethanol-induced hepatic immune-metabolic dysregulation exacerbates atherosclerosis progression in Ldlr-/- mice</i>
16:35 – 16:50	Daniel Leitinger Medical University of Graz, Austria <i>Atypical chemokine receptor 4 is involved in blood pressure regulation and ameliorates experimental glomerulonephritis</i>
16:50 – 17:05	Taras Afonyushkin Medical University of Vienna, Austria <i>Natural IgM-recognizing oxidation-specific epitopes in abdominal aortic aneurysm</i>
17:05 – 17:20	Thomas Koller Medical University of Vienna, Austria <i>Natural IgM antibodies reduce the prothrombotic potential of post-translationally modified collagen</i>
17:20 – 17:35	Melina Amor Medical University of Graz, Austria <i>A potential novel intracellular function of MMP12 in regulating whole-body energy metabolism, thermogenesis, and mitochondrial function</i>
17:35 – 19:30	Poster Session, Company Exhibitions, and Drinks
17:45 – 19:15	AAS Board Meeting
19:45 – 21:30	Dinner and AAS Social Evening

08:30 – 10:15 **Session 4: Burning Fat Questions: Mechanisms of Lipid Metabolism and Lipolysis**
Chair: Dagmar Kratky

08:30 – 09:15 **Keynote lecture 3**
Rudolf Zechner
Medical University of Graz, Austria
Fate of fat: Biochemistry and physiology of lipolysis

09:15 – 09:30 **Suravi Mukherjee**
Medical University of Graz, Austria
Elucidating the role of macrophages in lysosomal acid lipase deficiency

09:30 – 09:45 **Gernot Grabner**
Medical University of Graz, Austria
Targeting PNPLAs with small molecule inhibitors

09:45 – 10:00 **Elisabeth Ableitner**
University of Graz, Austria
Impaired adipocyte lipolysis reduces the development of atherosclerotic plaques in mice

10:00 – 10:15 **Melanie Korbelius**
Medical University of Graz, Austria
Isolation of different lipid droplet pools from the small intestine

10:15 – 10:35 **Coffee Break & Exhibition**

10:35 – 12:20 **Session 5: Lipoproteins, Immunity, and Vascular Dysfunction: Unraveling the Complexities of CVD**
Chair: Florian Kronenberg

10:35 – 11:20 **Keynote lecture 4**
Borge Nordestgaard
University of Copenhagen, Denmark
Familial hypercholesterolaemia in Denmark 1978 through 2025

11:20 – 11:35	Anja Pammer Medical University of Graz, Austria <i>Impaired HDL antioxidant and anti-inflammatory functions are linked to increased mortality in acute heart failure patients</i>
11:35 – 11:50	Adriana Koller Medical University of Innsbruck, Austria <i>Repeated measurements of lipoprotein(a): artefacts versus biological variation</i>
11:50 – 12:05	Dorothea Hoffelner Medical University of Vienna, Austria <i>Immunoglobulin type a-mediated microbiome regulation contributes to cardiometabolic disease in Ldlr-/- mice</i>
12:05 – 12:20	Irena Yordanova Medical University of Vienna, Austria <i>MiR-34 inhibition as a therapeutic strategy for cardiovascular aging and atherosclerosis</i>
12:20 – 13:20	Best Paper Award 2024 & 2025 Awards – Sponsored by Novo Nordisk & Daiichi-Sanyko Closing Remarks AAS General Assembly (Members Only)
13:20	Lunch



The following posters will be shown:

- 1 **Daryna Katashynska**, Med Uni Wien
The role of IgM in efferocytosis and advanced atherosclerosis development
- 2 **Katharina Brandl**, Med Uni Graz
Deciphering the antigen presentation capacity in the post-MI heart
- 3 **Clara Meijs**, Med Uni Innsbruck
Exploring the association between menopause timing and cardiovascular health: A meta-analysis of nine studies from the Proof-ATHERO consortium
- 4 **Laszlo Schooltink**, Med Uni Graz
Characterization of two new lysosomal lipid hydrolase candidates
- 5 **Melissa Spechtl**, Med Uni Graz
Patient education to improve disease awareness in peripheral artery disease: the keep pace! pilot study
- 6 **Katharina Kuentzel**, Uni Copenhagen
Arachidonoyl-taurine protects from diet-induced hepatic steatosis and inflammation
- 7 **Tanja Plasser**, Med Uni Innsbruck
High-sensitive lipoprotein profiling in individual mice
- 8 **Lucia Zisser**, Med Uni Vienna
Identification of a pathway modulating mitochondria-mediated dissemination of inflammatory signalling
- 9 **Roksana Soukhaklari**, Med Uni Graz
Sting antagonist H-151 as an anti-inflammatory option for treating atherosclerosis
- 10 **Anila Varghese**, Med Uni Graz
Vascular alterations in aged mice with exaggerated cardiac IGF-1 signaling
- 11 **Anna Bidovec**, Uni Graz
The effect of cancer-cell derived IL-6 on the tumor micro- and macroenvironment
- 12 **Ivan Bradic**, Uni Copenhagen
Activation of vesicular trafficking reduces lysosomal cholesterol accumulation caused by Npc1 deficiency
- 13 **Azin Kheirkhah**, Med Uni Innsbruck
Circulating OSE-specific IgM concentrations and their association with age-related macular degeneration – Results from the AugUR Study
- 14 **Olga Oskolkova**, Uni Graz
Cooperative induction of CXCL chemokines by low concentrations of inflammatory cytokines and oxidized phospholipids
- 15 **Minh Phuong Phan**, Med Uni Graz
The roles of extracellular matrix protein 1 in cardiac remodelling after myocardial infarction
- 16 **Kamil Mieczkowski**, Med Uni Vienna
Evaluating a functional cross-talk between psoriasis and atherosclerosis using mouse models
- 17 **Mate Kiss**, Med Uni Vienna
Distinct leukocyte composition of skull versus femoral bone marrow in response to hypercholesterolemia
- 18 **Nadine Egger**, Uni Graz
Unraveling the role of ABHD5 in peroxisome metabolism
- 19 **Sophia Chrysostomou**, Uni Graz
The role of STAT3 signaling in the pathogenesis of cancer-associated cachexia
- 20 **Zina Riahi**, Med Uni Graz
NAD⁺ and exercise-induced extracellular vesicles: exploring synergistic effects on cardiometabolic health

AMGEN

The Chiesi logo consists of a grey hexagon with a red arrow pointing right, containing a white dot.
Chiesi
global rare diseases 

The Daiichi-Sankyo logo is a blue circle with a white crescent shape inside, and a small yellow and green arc at the top.
Daiichi-Sankyo

The Novo Nordisk logo is a stylized blue cow with a white horn and a white saddle.
novo nordisk®

The Sobi logo is an orange circle with three white dots inside.
sobi
rare strength