

Amsterdam Cardiovascular Sciences

11th Annual ACS symposium

Wednesday December 10, 2025

08.15-09.00	Registration & Coffee
09.00-09.10	Opening by ACS directors Ronak Delewi & Menno de Winther <i>"Overview of the past & new year"</i>
09.10-09.45	Chairs: Elena Rampanelli & Vincent Jongkind Keynote Lecture: Dr. Danny Cohn, Amsterdam UMC <i>"Hereditary Angioedema and the Power of CRISPR: First-in-Human Gene Editing That Opens a New Era of Medicine"</i>
09.45-10.10	Chairs: Jeffrey Kroon & Aida Lluçia Valldeperas Oral session 1 (8min presentation + 4min discussion)
#1	Youling Hao <i>"Oral Reg1B ameliorates glucose metabolism, insulin signaling and liver steatosis in a murine model of obesity and type 2 diabetes"</i>
#2	Jessie van Wezenbeek <i>"Right Atrial Remodeling and Natriuretic Peptide Release in Response to Pressure Overload in Pulmonary Hypertension"</i>
10.15-10.25	Chair: Vincent Jongkind Pitch poster session 1 (Even abstract numbers) (3min pitch)
#10	Tamara Rodenburg <i>"Right Ventricular Adaptation after Pulmonary Endarterectomy and Balloon Pulmonary Angioplasty in Chronic Thromboembolic Pulmonary Hypertension: A comparative Cardiac MRI-Based Study"</i>
#12	Xin Hu <i>"Exogenous physiological concentrations of lactate and pyruvate play important roles in intrinsic metabolic pathways of the ex vivo mouse heart"</i>
#14	Jos Perdeck <i>"Automated Monitoring of Urine Output in Hospitalized Patients with Indwelling Urinary Catheters: a Clinical Evaluation on the Cardiology Ward"</i>

#16	Rinske Sparrius <i>"Development of AAV-mediated KCNH2 gene therapy for post-myocardial infarction arrhythmias"</i>
#18	Anniek Strijdhorst <i>"Quantifying coronary artery calcification using routinely performed contrast-enhanced oncological CT scans: a proof-of-concept study"</i>
10.25-11.15	Poster session 1 with coffee (Even abstract numbers)
11.15-11.55	Chairs: Josephine Tan & Pim van Ooij Oral session 2 (8min presentation + 4min discussion)
#3	Nora Bacour <i>"Exploring Ethnic Differences in the Perioperative Course of Thoracic Aortopathy"</i>
#4	Beau Neep <i>"SOX17 drives resilience of the arterial endothelium under shear stress"</i>
#5	Abraham Hulst <i>"proMoting Effective Renoprotection in Cardiac sURgery patients by Inhibition of sodium-glucose cotransporter (SGLT)-2 (MERCURI-2): A Randomized Controlled Trial"</i>
11.55-12.30	Chairs: Vincent Christoffels & Aida Lluçia Valldeperas Keynote Lecture: Prof. Dr. Eva van Rooij, Hubrecht Institute <i>"title TBA"</i>
12.30-13.20	Lunch
13.20-14.10	Chairs: Elena Rampanelli & Tyler Kirby Oral session 3 (8min presentation + 4min discussion)
#6	Reagan Tompkins <i>"Feasibility of Foramen Ovale Shunt Visualization and Quantification using Particle Tracking and 4D Flow MRI in Normal Fetal Hearts"</i>
#7	Rio Juni <i>"Cardiac endothelial-enriched lncRNA IRENE governs endothelial and cardiac dysfunction: New insights into the molecular Mechanisms of HFpEF"</i>

#8	Wafa Karar <i>"Impaired intracellular and renal potassium handling explains hyperkalemia risk in CKD"</i>
14.10-14.25	Chair: Annette Neele Pitch poster session 2 (Odd abstract numbers) (3min pitch)
#9	Bettine van Willigen <i>"Demographic and Sampling Bias in AI-Based Prediction of Future Atrial Fibrillation from Sinus Rhythm ECGs"</i>
#11	Xiaohan Zhang <i>"Investigating Cardiomyocyte-Endothelial Crosstalk in Ischemia-Reperfusion Injury: An Organ-on-Chip Approach"</i>
#13	Begawan Siadari <i>"Cardiac Magnetic Resonance Imaging Derived Longitudinal Diastolic Strain Rates Predict Long Term Overall Survival after Kidney Transplantation"</i>
#15	Mingxin Huang <i>"M2-Macrophage-released TGF-β promotes voltage-remodeling in atrial fibrillation by activating autophagy and nucleophagy"</i>
#17	Kimberley Hemelrijk <i>"Balloon-expandable versus Self-expanding Valves in Patients with Small Aortic Annuli Undergoing Transcatheter Aortic Valve Replacement"</i>
14.25-15.15	Poster session 2 with coffee (Odd abstract numbers)
15.15-15.25	Chair: Jeffrey Kroon Best Publication Pitches (3min pitch)
	Xin Hu <i>"The innate immune receptor NLRX1 is a novel required modulator for mPTP opening: implications for cardioprotection"</i> Basic Research in Cardiology
	Rocco Caliendo <i>"Living myocardial slices as a model for testing cardiac pro-reparative gene therapies"</i> Molecular Therapy
	Jianan Wang <i>"SCN10A-short gene therapy to restore conduction and protect against malignant cardiac arrhythmias"</i> European Heart Journal

15.25-16.00	Chairs: Pim van Ooij & Josephine Tan Keynote Lecture Impact: Dr. Harald Jørstad, Amsterdam UMC <i>"From idea to impact: a journey through sports cardiology"</i>
16.00-16.20	Chairs: Ronak Delewi and Menno de Winther Awards Ceremony
16.00 – 16.05	<i>Best short talks + Best poster Pitches</i>
16.05 - 16.10	<i>Best publication award</i>
16.10-16.15	<i>ACS Out of the Box 2025</i> <i>Intro ACS Out of the Box 2026</i>
16.15-16.20	<i>ACS movie</i>
16.20-17.30	Reception