

## Amsterdam Cardiovascular Sciences

### 11th Annual ACS symposium

Wednesday December 10, 2025

08.15-09.00	<b>Registration &amp; Coffee</b>
09.00-09.10	<b>Opening by ACS directors</b> Menno de Winther <i>"Overview of the past &amp; new year"</i>
09.10-09.45	Chairs: Elena Rampanelli & Vincent Jongkind  <b>Keynote Lecture: Dr. Danny Cohn, Amsterdam UMC</b> <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 & Josephine Tan  <b>Oral session 1 (8min presentation + 4min discussion)</b>
#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  <b>Pitch poster session 1 (Even abstract numbers) (3min pitch)</b>
#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 "Development of AAV-mediated KCNH2 gene therapy for post-myocardial infarction arrhythmias"
#18	Thijs Dormans "Quantifying coronary artery calcification using routinely performed contrast-enhanced oncological CT scans: a proof-of-concept study"
10.25-11.15	<b>Poster session 1 with coffee (Even abstract numbers)</b>
11.15-11.55	Chairs: Aida Llucià Valldeperas & Pim van Ooij <b>Oral session 2 (8min presentation + 4min discussion)</b>
#3	Nora Bacour "Exploring Ethnic Differences in the Perioperative Course of Thoracic Aortopathy"
#4	Beau Neep "SOX17 drives resilience of the arterial endothelium under shear stress"
#5	Abraham Hulst "proMoting Effective Renoprotection in Cardiac sURgery patients by Inhibition of sodium-glucose cotransporter (SGLT)-2 (MERCURI-2): A Randomized Controlled Trial"
11.55-12.30	Chairs: Vincent Christoffels & Malou van den Bogaard <b>Keynote Lecture: Prof. Dr. Eva van Rooij, Hubrecht Institute</b> "Identifying novel therapies for genetic cardiomyopathy"
12.30-13.20	<b>Lunch</b>
13.20-14.10	Chairs: Elena Rampanelli & Tyler Kirby <b>Oral session 3 (8min presentation + 4min discussion)</b>
#6	Reagan Tompkins "Feasibility of Foramen Ovale Shunt Visualization and Quantification using Particle Tracking and 4D Flow MRI in Normal Fetal Hearts"
#7	Rio Juni "Cardiac endothelial-enriched lncRNA IRENE governs endothelial and cardiac dysfunction: New insights into the molecular Mechanisms of HFpEF"

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

<b>15.25-16.00</b>	Chairs: Malou van den Bogaard & Josephine Tan  <b>Keynote Lecture Impact: Dr. Harald Jørstad, Amsterdam UMC</b> "From idea to impact: a journey through sports cardiology"
<b>16.00-16.20</b>	<b>Awards Ceremony</b>  By Ronak Delewi and Menno de Winther
16.00 – 16.05	<i>Students prize: Best Poster</i>
16.05 - 16.10	<i>Best short talks &amp; Best poster pitches</i>
16.10-16.15	<i>Best publication awards</i>
16.15-16.20	<i>ACS Out Of The Box 2025</i>
16.20-16.25	<i>ACS movie</i>
16.25-17.30	<b>Reception</b>

