

# E-INNOVATIONS CATALOGUE

Valid as of 22 May 2026

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- › Expanding the Treatment of Pulmonary Artery Occlusive Disease with a Transforming Catheter  
*A. Rothman*

**PCR Innovators Day - E-Innovations - Chronic Heart Failure**

- › Precision Cardiovascular  
*M. Matthew (Pending confirmation)*
- › Percutaneous papillary muscle re-alignment to reshape failing left ventricle: early human experience  
*P. Musialek*

**PCR Innovators Day - E-Innovations - Acute heart failure**

- › The Phoenix Heart /Assist@Cor  
*W. Mohl*
- › CART-AI: Digital-twin-guided Early and Equitable Extracorporeal Resuscitation in Cardiac Arrest  
*F. Nezami*
- › BeatAI: Biometrics for real-time Atrial Arrhythmia tracking using AI and Wearables  
*F. Nezami*

**PCR Innovators Day - E-Innovations - TAVI**

- › Exploration of Percutaneous And Non-fluoroscopic (PAN) TAVR for Severe Aortic Regurgitation  
*J. Dong*
- › Simulator study of a novel cerebral embolic protection device for TAVI  
*D. Santer (Pending confirmation)*
- › The bridge from benchtop testing to clinical studies – Simulated use testing  
*J. Patel*

**PCR Innovators Day - E-Innovations - Other valvular and structural interventions**

- › The new paradigm in clinical trial execution using interoperable tools  
*C. Granada*
- › Total Product Lifecycle Advisory Program (TAP) in U.S. Food & Drug Administration  
*S. Oktay*
- › Novel device for endovascular treatment of hypertrophic obstructive cardiomyopathy  
*A. Chaplygin*
- › Acute type A aortic dissection and a time critical endovascular bridging strategy  
*E. Rezaee Monfared (Pending confirmation)*

**PCR Innovators Day - E-Innovations - Stents, scaffold and DCB**

- › Magnesium alloy-based resorbable repair device. Pre-clinical evaluation and first clinical data  
*M. Kusmierczuk*
- › A novel double-dose DCB with 6 µg Ptx/mm<sup>2</sup> for complex lesions in peripheral artery disease patients  
*O. Gemeinhardt*

- › Illuminating the nervous system with transvascular precision-guided technology  
*M. Urbaniak*