

## Invitation to the symposium on Personalized Genomics and the Future of Congenital Heart Disease May 25th, 2023

Location:  
de Vrijzaal, G0-209  
Amsterdam UMC, location AMC  
Meibergdreef 15, 1105AZ, Amsterdam



It is our pleasure to invite you to the upcoming symposium of the PROCEED (PeRsOnalized Genomics for CongEnital HEart Disease) consortium funded by ERA-PerMed. The symposium will take place on May 25th, 2023 at Amsterdam UMC, location AMC from 9:30am – 3:30pm, location de Vrijzaal, G0-209. Attendance is for free, but we ask that you please register in advance via our website <https://theheartcentrebiobank.com/proceed/>.

The topics of the symposium will be focused on personalized medicine in congenital heart disease with a special focus on tetralogy of Fallot (ToF) and transposition of the great arteries (TGA). We will have talks from early career investigators from the consortium and a keynote speech from prof dr. Jeroen Bakkers (Hubrecht lab, NL). For an overview of the topic titles and invited speakers please see attached flyer or have a look at the website <https://theheartcentrebiobank.com/proceed/>. The symposium brings together researchers and collaborators from Canada, Germany, the Netherlands and Australia to discuss exciting new approaches to applying genomics and AI to the care of children with congenital heart disease.

We hope to see you on May the 25<sup>th</sup>,

prof. dr. Connie Bezzina AUMC, dr. Alex Postma AUMC, prof. dr. Marc-Philip Hitz (Oldenburg), prof. dr. Jeroen Breckpot (Leuven), prof. dr. David Winlaw (Cincinnati) and prof. dr. Seema Mital (Toronto)



**European  
Reference  
Network**

for rare or low prevalence  
complex diseases

 **Network**  
Heart Diseases  
(ERN GUARD-HEART)

# Invitation to the symposium on Personalized Genomics and the Future of Congenital Heart Disease May 25th, 2023

Location:  
de Vrijzaal, G0-209  
Amsterdam UMC, location AMC  
Meibergdreef 15, 1105AZ, Amsterdam



For further information and registration visit [theheartcentrebiobank.com/proceed](https://theheartcentrebiobank.com/proceed)

9:30-10:00 am	<b>Coffee and Registration</b>
10:00-10:20am	<b>Personalized Genomics and the Future of Congenital Heart Disease: A Spotlight on Early Careers</b>
	<b>Welcome and Opening Remarks</b> Connie Bezzina, PhD
	<b>From Vision to Reality: A 5-year update on the PROCEED Consortium</b> Seema Mital, MD
	This session will unveil the genomic mysteries of congenital heart disease through next-gen sequencing breakthroughs.
	<b>Session Moderators: Connie Bezzina, PhD and Jeroen Breckpot, MD PhD</b>
	<b>Notching forward: The role of Notch1 variants in congenital heart disease</b> Gregor Dombrowsky
	<b>Unveiling the hidden culprits: Cryptic splice variants in TOF and TGA</b> Robert Lesurf, PhD
	<b>At the heart of the matter: Structural variants in TOF and TGA</b> Nour Hanafi
	<b>Break</b>
	<b>Genes and environment: The intricate interplay behind congenital heart disease</b> Katie Losenno, MD
	<b>Bridging the divide: Empowering families through research results in congenital heart disease</b> Jade Bouwmeester
12:10-12:45 pm	<b>Keynote: The Fish That Heals: Unraveling the Mysteries of Zebrafish Heart Regeneration</b> Jeroen Bakkers, PhD
	This talk will explore the secrets of cardiac regeneration using the zebrafish model system.
	<b>Speaker Introduction: Alex Postma, PhD</b>
	<b>Lunch Break</b>
1:45-3:25pm	<b>Session 2: Pinpointing the Path to Better Heart Health: Precision Medicine in Congenital Heart Disease</b>
	This session will dive into how genetic insights can guide care and enhance patient outcomes in congenital heart disease.
	<b>Session Moderators: David Winlaw, MD and Alex Postma, PhD</b>
	<b>Decoding the Future: Predicting Outcomes in TOF and TGA</b> Raj Lalli, MD
	<b>Mapping the Landscape of Congenital Heart Disease through Genome-wide Association Studies</b> Doris Škorić-Milosavljević, MD
	<b>PLD1 Unraveled: Gaining New Insights Through an Extended Patient Series</b> Najim Lahrouchi, MD PhD
	<b>Genetic testing in congenital heart disease: State of the heART</b> Saskia van der Crabben, MD PhD
	<b>Genomics on Fire: Exploring What's New in the World of Genetics</b> Marc-Philip Hitz, MD PhD
3:25-3:30pm	<b>Closing Remarks: Connie Bezzina, PhD</b>

Organized by prof. dr. Connie Bezzina AUMC, dr. Alex Postma AUMC, prof. dr. Marc-Philip Hitz (Oldenburg), prof. dr. Jeroen Breckpot (Leuven), prof. dr. David Winlaw (Cincinnati) and prof. dr. Seema Mital (Toronto)