

3rd Joint DGK/DZHK Translational Workshop

September 28, 2022

DGK Herztage: 29.09.-01.10.2022

World Conference Center Bonn

Platz d. Vereinten Nationen 2, 53113 Bonn

<https://www.worldccbonn.com/>

TOPIC:

Research Data Management in Cardiovascular Science

Programme committee: [Peter Kohl](#), [Martina Krüger](#), [Christoph Maack](#), [Katrin Schröder](#), [Sabine Steffens](#), [Katrin Streckfuß-Bömeke \(KEK\)](#)

Aim & learning objective: Identification of challenges, concepts, and tools for Research Data Management (RDM) in our field, relating to the aspiration of the FAIR principles (<https://www.go-fair.org/fair-principles/>);

Establishment of a course of action to support easy data deposition and access for published work, with the aim of aiding data re-use, transparency, and avoidance of scientific fraud

Outcome: Position paper

Format: Experts provide short talks (15 min + 10 min) as a basis for discussion. Each of the three sessions will finish with a brief round table discussion. The day ends with a plenary discussion and joint statement, as well as the assignment of writing tasks for a position paper.

Programme:

Wednesday, September 28, 2022

09.00 – 10.00 Registration

09:45 – 10.00 **Welcome and Opening Remarks:** [Sabine Steffens](#)

10.00 - 12.00	Session 1 (Joint DZHK Session): Data Challenges from Reduction... Chairs: Ralf Gilsbach (Heidelberg) , Sabine Steffens (München)
----------------------	--

10.00 – 10.25 **...in cardiovascular transcriptomics research**
[Yvan Devaux](#) (Luxembourg; COST)

- 10.25 – 10.50** **...in cardiovascular proteomics research**
[Manuel Mayr](#) (London, UK)
- 10.50 – 11.15** **...in cardiovascular MS-based multiomics**
[Albert Sickmann](#) (ISAS Dortmund)
- 11.15 – 11.40** **...in cardiac spatial and single cell transcriptomics**
[Henrike Maatz](#) (MDC Berlin)
- 11:40 – 12:00** **Round table: What is the vision, what are the low-hanging fruit?**
 All Speakers + Rafael Kramann (Aachen), Norbert Hübner (Berlin)

12.00 – 13.00	<i>Lunch</i>
----------------------	---------------------

13.00 – 15.00	Session 2: Data Challenges from Integration... Chairs: Martina Krüger , Christoph Maack
----------------------	---

- 13.00 – 13.25** **...of whole exome/genome sequencing**
[Gökhan Yigit](#) (Göttingen)
- 13.25 – 13.50** **...of Big Data**
[Benjamin Meder](#) (Heidelberg)
- 13.50 – 14.15** **...of functional data**
[Dominik Linz](#) (Maastricht)
- 14.15 – 14.40** **...using computational models to link structure and function**
[Jordi Heijman](#) (Maastricht)
- 14:40 – 15:00** **Round table: What is the vision, what are the low-hanging fruit?**
 All Speakers + Eva Rog-Zielinska (Aachen), James O'Reilly (Aachen)

15.00-15.30	<i>Coffee Break</i>
--------------------	----------------------------

15.30 – 17.00	Session 3: Modern Research Data Management Chairs: Katrin Streckfuß-Bömeke , Lars Maegdefessel
----------------------	--

- 15.00 – 15.25** **RNA-Seq analysis tools**
[Rolf Backofen](#) (Freiburg)
- 15.25 – 15.50** **Image analysis and sharing approaches**
[Bettina Baeßler](#) (Würzburg)
- 15.50 – 16.15** **Biobanking data sharing: ethical challenges**
[Sara Nußbeck](#) (Göttingen)
- 16.15 – 16.40** **FAIR principles: good scientific practice**
[Allyson Lister](#) (Oxford, UK; via Zoom only)
- 16.40 – 17:00** **Round table: What is the vision, what are the low-hanging fruit?**
 All Speakers + Johannes Backs (Heidelberg), Marcel Schulz (Frankfurt)

17:15 - 18.30

Session 4: Plenary Discussion

Chairs: [Katrin Schröder](#)/[Peter Kohl](#)

Final discussion, draft of position paper

19.00

Symposium Dinner