



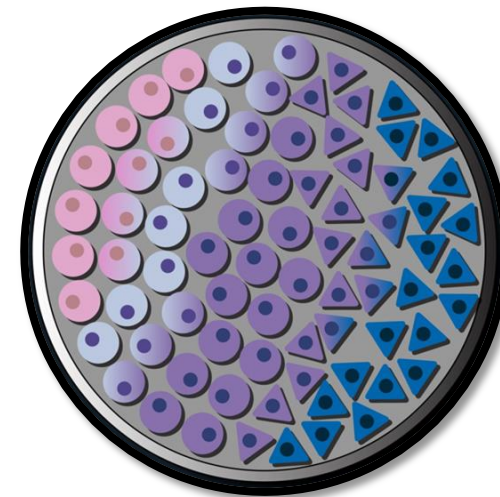
Universitäres Herzzentrum Graz



Wissenschaftliche Leitung:
Univ.-Prof. Dr. Andreas Zirlik

Veranstalter:
WISSENSCHAFTLICHE GESELLSCHAFT FÜR
INNOVATION IN DER HERZMEDIZIN e.V.
(WGIH)

Program
**1st Graz Expert Meeting on Single Cell RNA
Sequencing in Cardiovascular Science
(GEMSeq)**



Monday, 28th October 2019
Lecture Hall Center E1, Medical University of Graz



Chair: Univ.-Prof. Dr. Akos Heinemann, Graz/Austria
Univ.-Prof. Dr. Gerald Höfler, Graz/Austria

- 09:00-09:15 Welcome and introduction into the topic
Andreas Zirlik, Graz/Austria
- 09:15-10:00 Single cell phenotyping platforms for routine clinical use
Klaus Ley, La Jolla/USA
- 10:00-10:30 Challenges and opportunities in analysing large scale single cell datasets
Dennis Wolf, Freiburg/Germany

Break
10:30 - 11:00h

Chair: Univ.-Prof. Mag. Dr. Dagmar Kratky, Graz/Austria
Prof. Dr. Karlheinz Peter, Melbourne/Australia

- 11:00-11:30 B-cells in cardiovascular disease – what is the future for single cell RNA sequencing
Christoph Binder, Wien/Vienna
- 11:30-12:00 Macrophage diversity in cardiovascular defined by single cell RNA sequencing
Alma Zerneck-Madsen, Würzburg/Germany
- 12:00-12:30 Proteome based cell identification in cardiovascular pathologies – is this still a role of CYTOF?
Claudia Monaco, Oxford/Great Britain

Lunch break
12:30 - 14:00h

Chair: Prof. Dr. Klaus Ley, La Jolla/USA
Dr. Ingeborg Klymiuk, Graz/Austria

- 14:00-14:30 The role of adaptive immunity in myocardial infarction - Implication for TCR sequencing?
Peter Rainer, Graz/Austria
- 14:30-15:00 Single cell RNA sequencing following ischemia - reperfusion injury?
Norbert Gerdes, Düsseldorf/Germany
- 15:00-15:30 Cellular diversity in plaque rupture
Karlheinz Peter, Melbourne/Australia