



15 May - 18 May 2022 | Berlin, Germany

Day 1: 15 May 2022 | Sunday

**15:00 – 17:30 Pre-Workshop:
Single Cell Multimodal Omics?**

Chairs: Anita Chong | Chicago, United States
Janine Altmüller | Berlin, Germany

15:00 – 15:20	Multimodal single-cell approaches shed light on T-cell heterogeneity	Ricardo Ferreira Oxford, United Kingdom
15:20 – 15:40	Single-cell multi-omics profiling to understand disease progression cell-by-cell	Matthias Farlink Vienna, Austria
15:40 – 16:00	Questions and discussion	
16:00 – 16:30	BREAK	
16:30 – 16:50	Monitoring genetic stability by single-cell sequencing	Ashley D. Sanders Berlin, Germany
16:50 – 17:10	Single nucleotide sequencing	Christian Conrad Berlin, Germany
17:10 – 17:30	Questions and discussion	



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**11:00 – 12:30 Session 2:
Big Data and Artificial Intelligence**


Chairs: Maria Kaiser | Oxford, United Kingdom
Xunrong Luo | Durham, United States

11:00 – 11:20	Genomic-related bioinformatics applications	Sophie Limou Nantes, France
11:20 – 11:40	Machine learning in clinical transplantation	Katie Connor Edinburgh, United Kingdom
11:40 – 12:00	Big data and artificial intelligence in liver transplantation	Ali Zarrinpar Gainesville, United States

12:00 – 12:30 Discussion panel

12:30 – 14:00 BREAK | POSTER VIEWING

**14:00 – 15:30 Session 3:
Innate Immunity**

Chairs: Katja Kotsch | Berlin, Germany
Cees van Kooten | Leiden, The Netherlands

14:00 – 14:20	Lymph node fibroblastic reticular cells steer immune responses	Jonathan S Bromberg Baltimore, United States
14:20 – 14:40	Innate lymphoid cells	Andreas Diefenbach Berlin, Germany

14:40 – 15:00 Discussion panel

15:00 – 15:30 ORAL PRESENTATIONS

15:30 – 16:00 BREAK



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16:00 – 17:30

Session 4: DISCUSSION PANEL
Scientific Leadership in Transplantation



Chairs: Caroline Dudreuilh | London, United Kingdom
Nina Pilat | Vienna, Austria

Discussion panel on:

- Career challenges
- Value of mentorship
- Do's and don'ts while doing PhD

ACTION REQUIRED:

Watch “**Picture a scientist**”
available on streaming platform Netflix.

Anita Chong | Chicago,
United States

Andreas Zuckermann |
Vienna, Austria

Liset Pengel | Oxford,
United Kingdom

Fadi Issa | Oxford,
United Kingdom



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Day 3: 17 May 2022 | Tuesday
**08:30 -10:00 Session 5:
Marginal organs and ex-vivo machine perfusion**

Chairs: Georg Lurje | Berlin, Germany
Annemarie Weissenbacher | Innsbruck, Austria

08:30 – 08:50	Improving outcomes in liver transplantation with HOPE	Zlotan Czigany Aachen, Germany
08:50 – 09:10	Pumping kidneys as a solution for everything?	Cyril Moers Groningen, The Netherlands
09:10 – 09:30	Silencing HLA expression through ex vivo machine perfusion	Constanca Figueiredo Hannover, Germany
09:30 – 10:00	Discussion panel	
10:00 – 10:30	ORAL PRESENTATIONS	
10:30 – 11:00	BREAK	

**11:00 – 12:30 Session 6:
Mechanisms of alloimmunity and tolerance**

Chairs: Marisa Alegre | Chicago, United States
Elke Eggenhofer | Regensburg, Germany

11:00 – 11:20	The holy grail of (central) tolerance: Generation of MHC/peptide ligands for T cell repertoire selection	Ludger Klein Munich, Germany
11:20 – 11:40	Selective co-stimulation blockade with antagonist anti-CD28 therapeutics in transplantation	Gilles Blancho Nantes, France
11:40 – 12:00	Discussion panel	
12:00 – 12:30	ORAL PRESENTATIONS	
12:30 – 14:00	BREAK POSTER VIEWING	



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**14:00 – 15:30 Session 7:
COVID-19 – immunological response to vaccination**

Chairs: Anita Chong | Chicago, United States
 Katja Kotsch | Berlin, Germany

14:00 – 14:20 SARS-CoV2 vaccination of adolescent and adult kidney transplant recipients: outcomes after different approaches based on comprehensive humoral-, B- and T cell analysis Arne Sattler | Berlin, Germany

14:20 – 14:40 Low-Avidity CD4 + T Cell Responses to SARS-CoV-2 in Unexposed Individuals and Humans with Severe COVID-19 Petra Bacher | Kiel, Germany

14:40 – 15:00 Discussion panel

15:00 – 15:30 ORAL PRESENTATIONS

15:30 – 16:00 BREAK

**16:00 – 17:00 Session 8:
Keynote lecture**

Chair: Jonathan Bromberg | Baltimore, United States

16:00 – 16:45 Single cell profiling of myeloid cell in health and disease Florent Ginhoux | Singapore

16:45 – 17:00 Q&A session

**17:00 – 18:00 Session 9:
Patient and surgeon: two perspectives on heart transplantation**

Chair: Fadi Issa | Oxford, United Kingdom

Session will focus on looking at the specific case seen from perspective of surgeon and his patient after heart transplantation.

Patient: Milos Nikolic | Belgrade, Serbia
Surgeon: Andreas Zuckermann | Vienna, Austria



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Day 4: 18 May 2022 | Wednesday

**08:30 – 10:30 Session 10:
Basic mechanisms of organ regeneration & organoids**



Chairs: Elke Eggenhofer | Regensburg, Germany
Bill Scott | Newcastle, United Kingdom

08:30 – 08:50	Engineering Organoid Development	<i>To be announced</i>
08:50 – 09:10	Organoids and liver regenerative medicine	Luc van der Laan Rotterdam, the Netherlands
09:10 – 09:30	3D/4D bioprinting for organ regeneration	Lijie Zhang Washington DC, United States
09:30 – 10:00	Discussion panel	
10:00 – 10:30	ORAL PRESENTATIONS	
10:30 – 11:00	BREAK	

**11:00 – 12:00 Best Abstracts Session
"A star is born"**

Chairs: Nina Pilat | Vienna, Austria
Megan Sykes | New York, United States

11:00 – 12:00 ORAL PRESENTATIONS



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**12:00 – 13:30 Session 11:
Biobanks and Bioassays**

Chairs: Maria Kaiser | Oxford, United Kingdom
 Nina Pilat | Vienna, Austria

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| 12:00 - 12:20 | Quality in Organ Donation and Transplantation. From clinical samples to whole organs bioresource | Sarah Cross Oxford, United Kingdom |
| 12:20 - 12:40 | The alloreactive T cell repertoire | Megan Sykes New York, United States |
| 12:40 – 13:00 | Bioassays to determine activity of extracellular matrix remodelling can contribute to an accurate prognosis in kidney transplant recipient | Federica Genovese Herlev, Denmark |
| 13:00 – 13:30 | Discussion Panel | |

13:30 – 14:00 CLOSING