

# Dynamics of Immune Repertoires: Exploration and Translation

## International Workshop & Seminar 4 - 30 July 2022

The success of future clinical intervention in cancer, autoimmunity and vaccine development depends on deep comprehension of dynamics, architecture and repertoires of adaptive immune cells. At the event, state of the art tools and models will be discussed to expand understanding of control and decision making of the immune system and distributed action of its cells.



### Topics:

- the architecture of immune cell networks
- challenges in computational tools
- determining bridges between repertoire sequences and function
- experimental challenges
- immunopharmacogenomics
- translation to clinics
- bridging innate and adaptive immune system
- molecular recognition by distributed systems

The workshop will take place on 11-15 July 2022. Additional information, including working groups, is available through

[www.pks.mpg.de/immrep22](http://www.pks.mpg.de/immrep22)

Applications received before 15 April 2022 will be considered preferentially.

Applications are welcome and should be made by using the application form on the event's web page. The number of attendees is limited.

The registration fee for the international workshop and seminar is 140 Euro and should be paid by all on-site participants. (No fee for remote participation.) Costs for accommodation and meals for on-site participants will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses.

### For further information please contact:

Visitors Program – Katrin Lantsch  
MPI for the Physics of Complex Systems  
Nöthnitzer Str. 38, D-01187 Dresden  
phone: +49-351-871-1931  
fax: +49-351-871-2199  
immrep22@pks.mpg.de  
[www.pks.mpg.de/immrep22/](http://www.pks.mpg.de/immrep22/)

### Confirmed participants:

B. Asquith (UK)  
M. Bachmann (DE)  
E. Bonifacio (DE)  
F. Breden (CA)  
B. Chain (UK)  
A. Chakraborty (US)  
A. Collins (AU)  
L. Cowell (US)  
R.J. de Boer (NL)  
D. Douek (US)  
D. Dunn-Walters (UK)  
S. Efroni (IL)  
J. Faro (ES)  
S. Fillatreau (FR)  
M. Flajnik (US)  
V. Greiff (NO)  
A. Harari (CH)  
T. Hertz (IL)  
D. Higgins (DE)  
K. Hoehn (US)  
A. Hutloff (DE)  
K. Jackson (AU)  
G. Karlsson Hedestam (SE)  
D. Klatzmann (FR)  
E.T. Luning Prak (US)  
E. Mariotti-Ferrandiz (FR)  
C. Molina-Paris (UK)

T. Mora (FR)  
A. Nourmohammad (US)  
L. Perié (FR)  
M.V. Pogorelyy (RU)  
S. Reddy (CH)  
I. Roeder (DE)  
C. Scheepers (ZA)  
C. Schramm (US)  
V. Sharma (DE)  
M. Shlomchik (US)  
D. Sok (US)  
J. Textor (NL)  
P.G. Thomas (US)  
K. Thurley (DE)  
A. Walczak (FR)  
H. Wardemann (DE)  
C. Watson (US)

### Scientific coordinators:

Anne Eugster (DE)  
Uri Hershberg (IL)  
Michal Or-Guil (DE)  
Gur Yaari (IL)

### Organisation:

Katrin Lantsch (DE)