

2023 YouRMaP

RETREAT RASTATT

Wednesday 06.09.23

09:00 Departure Mainz (Dalheimer Weg 1)

10:15 Departure Heidelberg (Im Neuenheimer Feld 267)

12:00 Arrival Rastatt Bildungshaus St. Bernhard
(An d. Ludwigsfeste 50)

12:00 Lunch

13:00 Check-in

13:30 Welcome

14:00 Softskills course
Essentials of Convincing Scientific Talks

15:30 Coffee break

16:00 Continuation softskills course

18:30 End softskills course

19:00 Speakers dinner

20:30 Science olympics

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Thursday 07.09.23

06:30
08:30

Breakfast

08:30

Session 1 - A01 (Chair: Lan-Sun)

Robert, Sophia

09:15

Keynote Lecture **David Rueda**

(Imperial College London) Chair: Valerie

10:15

Coffee break

10:45

Session 2 - A05 (Chair: Merlin)

Kevin, Zeynep, Chia Ching (Tommy)

11:45

Session 3 - A06 (Chair: Robert)

Wei, Stefano, Ege

12:30

Lunch

13:30

Keynote lecture **Tim Beissert**

(TRON, Mainz) Chair: Benedikt

14:30

Coffee break

15:00

Session 4 - A03 (Chair: Ege)

Lan-Sun, Benedikt, Ivaneia, Sarah

16:15

Team building event

18:30

Dinner

19:30

Team evening (Pubquiz, Karaoke, Swimming pool)

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Friday 08.09.23

06:30
09:00

Breakfast & Checkout

09:00

Session 5 - C01-C03 (Chair: Chih-Yuan)
Anne, Martina, Alicia, Marlies

10:15

Coffee break

10:45

Session 6 - B01-B06 (Chair: Wei)
Nedezda, Merlin, Christin

12:00

Lunch

13:00

Session 7 - A02 & A04 (Chair: Kevin)
Valerie, Chih-Yuan

13:40

IRTG - Election new student council
& student representative

14:20

Coffee break

14:45

Awards for best presentations

15:00

Departure Rastatt

16:15

Arrival Heidelberg (Im Neuenheimer Feld 267)

17:30

Arrival Mainz (Dalheimerweg 1)

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Prof. David Rueda

Imperial College London - Faculty of Medicine, Department of Infectious Disease

Prof. Rueda's group develops and applies single-molecule imaging approaches to study how structural dynamics regulate fundamental biological processes involving proteins and nucleic acids across scales (from molecules to cells). He is particularly interested in elucidating various mechanistic aspects of DNA and RNA processing, such as chromatin structure and remodelling, DNA replication and repair, and RNA transcription, splicing and localization.

Single-Molecule Microscopy reveals the structural dynamics of individual molecules, otherwise hidden in ensemble-averaged experiments, thus enabling his group to directly observe key reaction intermediates, even when short-lived or at low levels.



Tim Beissert

Head Vectors Unit - TRON gGmbH Mainz

Tim Beissert's research primarily centers around the advancement of immune and gene therapies, with a specific emphasis on the development of self-amplifying RNAs (saRNAs) as a strategic approach for vaccine design to elicit potent protective immunity.

These saRNAs, originating from plus-stranded RNA viruses, capitalize the inherent capabilities of the cellular machinery to enhance the synthesis of antigenic proteins thereby demanding only low initial input material while eliciting a robust immune response. Tim Beissert is working on improving both the immune response of saRNAs as well as the expression of the designated target proteins.

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Essentials of Convincing Scientific Talks

Master Clear Content, Proper Slides, and Delivery on Stage

by Dr. Matthias Mayer www.youngscientistsacademy.com

1. Prepare Clear Content

Many scientific presentations suffer from too little clarity and too much content. The result is a lecturer running through the slides, losing the audience at the very beginning. You should instead learn to deliver a clear presentation by setting distinct goals and finding vivid examples that make your talk memorable.

2. Design Proper Slides

Today's leading standard for visualization in scientific presentations is PowerPoint: a powerful tool, however, often poorly used. Lecturers frequently try to remind themselves what they wanted to say by reading their own bullets thereby facing the projection screen instead of their audience. With overfilled, graphically cluttered, visually incoherent slides they try to support their speech. Do better!

3. Be Convincing on Stage

With your body language and spoken word stands or falls your talk. Aside valuable content you must be able to deliver it in a convincing way that motivates your audience to follow you. Many great researchers miss this chance and obligation. You will give an example of your talk, receive feedback, learn from a video recording of it, and you will know how to do better, if necessary. We will train for onsite and online talks.

Content

- Prepare clear content: audience focus, take home message, etc.
- Telling a vivid story: Creating Brain Cinema
- The Six Golden Rules of Slide Design (How many words?)
- How many slides? What background and fonts? ...)
- Body language: where to put your hands and other questions
- Do a short talk yourself, learn from feedback and video recording

Methods

Mixture of trainer input, practical exercises, participants' presentations, and discussion. Each participant will conduct a short 3-5 minutes' presentation (an excerpt of a larger one, e.g. the one that you will conduct during the retreat), receive feedback by peers and trainer and learn from a video recording.

We would like to thank our funding!