



Seminar

Bayerischer Forschungsverbund Interaktion von humanen Gehirnzellen „For!nter“

14. - 15. 10. 2019

Abtei Frauenwörth, Fraueninsel

83256 Frauenchiemsee

14. 10. 2019

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| 10.45 - 11.15 am | Welcome and Introduction |
| 11.15 – 12.00 am | Short reports from the Task forces |
| 12.00 - 1.00 pm | Lunch |
| 1.00 - 3.00 pm | Poster Blitz: Short presentations of the projects (3 slides, 3 minutes/poster) followed by the Postersession |
| 3.00 - 3.30 pm | Coffee Break |
| 3.30 – 5.45 pm | Bioethics Workshop
<i>David Hamburger/Hannes Wolff, Universität Passau</i> |
1. Relevance of accompanying legal research (D. Hamburger)
 - Why is accompanying legal research necessary?
 - Why do legal questions arise? What legal questions need to be answered?
 2. The constitutional basis. Exemplified on the freedom of research (H. Wolff)
 - An introduction to the systematics of constitutional law.
 3. Giving a practical example: Interpreting an EU-directive (D. Hamburger)
 - A presentation of the relevance of accompanying legal research in For!nter.

- Legal methods exemplified by an explanation of the interpretation of an EU-directive.

4. The relationship of Ethics and the Law (H. Wolff)

- Which ethical questions might arise?
- What relationship do Ethics and the Law have? What influence do ethics have on the Law and vice versa. What impact does this have on accompanying ethical and legal research.

6.00 pm

Dinner

Get to together

15. 10. 2019

9.00 – 10.30 am

Bioinformatics Workshop

Maren Büttner, TU München

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Topics:

- General overview on single-cell RNAsequencing (experimental aspects, borrow from 10X genomics)
- Brief overview on experimental design questions
- Brief introduction on the costs of single-cell RNAsequencing
- Overview on computational models for single-cell RNAsequencing
- Introduction to the analysis pipeline
- Recent developments in the field

Specific topics could be:

- How to deal with other type of omics (bulk RNAseq, ATACseq, ...)
- Ambient RNA, doublet
- frozen tissue and nucleus RNA-sequencing
- spatial transcriptomics

10.30 – 11.00 am

Coffee Break

11.00 – 11.45 am

Q&A session: Specific questions from the participants to the Bioinformatics (please send your questions, expectations in advance)

11.45 – 12.00 am

Closing remarks, summary and outlook

12.00 – 1.00 pm

Lunch