Seminar
Bayerischer Forschungsverbund Interaktion von humanen Gehirnzellen „ForInter“
14. - 15. 10. 2019
Abtei Frauenwörth, Fraueninsel
83256 Frauenchiemsee

14. 10. 2019

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
Poster session

3.00 - 3.30 pm Coffee Break

3.30 – 5.45 pm Bioethics Workshop
David Hamburger/Hannes Wolff, Universität Passau

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 ForInter.
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

   - 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