

## IZKF Research Training Group Course offer 2020 - block 1/2

### Data analysis for medical students (SPSS)



**Date:** 20.-21.02.2019

**Duration:** 2 days

**Time:** 08:30 – 17:00

**Room:** CIP Pool Biochemie,  
Fahrstraße 17, Erlangen

**Max. number of participants:** 9

**Trainer:** Dr. Heiko Gaßner

**Course fees:** no fee

This hands-on Seminar is designed to learn how to handle data and use the statistics program SPSS. Practical exercises on specific and real clinical data sets are used. Additionally, there will be impulse lectures and practical exercises/discussions.

After the course students should be able to:

- understand data structures and scales (metric, ordinal, nominal)
- enter data into an SPSS mask and define variables
- understand how to prepare data entered (identify double cases, calculate new variables, recode, mark missing values)
- create descriptive statistics
- apply and interpret statistical tests for group comparisons and correlation analysis
- create simple graphs and diagrams that visualize results

### An introduction to presentation skills

**Dates:** 16.-18.03.2020

**Duration:** 2,5 days

**Time:**

09:00 - 16:30 (1<sup>st</sup>/2<sup>nd</sup> day)

09:00 - 12:15 (3<sup>rd</sup> day)

**Room:** ESG, seminarroom 1- floor,  
Hindenburgstraße 46, Erlangen

**Max. number of participants:** 8

**Trainer:** Dr. Deborah Bennett

**Course fees:** 230 €

*Helping students become confident and articulate presenters*

- Provide students with the tools they need to make an impact
- Promote opportunities for collaborative research
- Practical tasks to develop communicative skills, delivery of individual presentations and extensive feedback

## IZKF Research Training Group | Course offer 2020 - block 1/2

### Scientific Writing 1

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**Dates:** 23.-25.03.2020

**Duration:** 2,5 days

**Time:**

09:00 - 16:30 (1<sup>st</sup>/2<sup>nd</sup> day)

09:00 - 12:15 (3<sup>rd</sup> day)

**Room:** ESG, seminarroom 1- floor,  
Hindenburgstraße 46, Erlangen

**Max. number of participants:** 12

**Trainer:** Dr. Deborah Bennett

**Course fees:** 160 €

*An introduction to scientific writing: Laying the foundation for effective research writing*

- Improve students' facility for scientific language
- Familiarise students with writing conventions within their field
- Practical writing tasks based on students' own projects

### Application related statistics

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**Date:** 30.-31.03.2020

**Duration:** 2 \* 0,5 days

**Time:** 09:00 – 13:00

**Room:** Seminarroom Main, Krankenhausstraße 12, Erlangen

**Max. number of participants:** 15

**Trainer:** Dr. Mathias Englbrecht

**Course fees:** 160,00 €

Overview of applied statistics and related pitfalls and misunderstandings in scientific research (focus on human medicine and basic research)

**Content:**

The aim of the course is to transfer application-oriented statistics knowledge required for reading, understanding and writing research results in the context of publications. For this purpose, examples from applied research are discussed together, existing guidelines are presented and the participants are provided with an overview of statistical pitfalls in the planning and realization of research projects. Thus, there is also the imparting of basic statistical knowledge.

### Basic Scientific Imaging

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**Date:** 04.-08.05.2020

**Duration:** 2,5 days

**Time:**

09:00 – 17:00 (1<sup>st</sup> day)

09:00 – 15:00 (2<sup>nd</sup> day)

09:00 – 11:00 (3<sup>rd</sup> day)

**Room:** OICE, Cauerstr. 3  
91058 Erlangen

**Max. number of participants:** 12

**Trainer:** Dr. Ralph Palmisano

**Course fees:** 200,00 €

The course consists of seminars on theory of confocal laser scanning microscopy and image acquisition, sample preparation (dual staining, fixed and live cell samples) and finishes with a seminar on post image processing. There will be individual group wise hands-on introduction of imaging on a Leica SP5 II CLSM microscope for the fixed samples and a Zeiss Spinning Disc microscope for the live cell imaging. All participants must attend the first day (Monday) and the finishing day with the lecture by Dr. Schmidt. In between each participant will attend one day for hands-on. Half day on Leica and half day on Zeiss instrument. This meaning each participant will spent 2 1/2 day at this course.

## IZKF Research Training Group | Course offer 2020 - block 1/2

### Good Scientific Practice

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**Dates:** 18.-19.06.2020

**Duration:** 2 days

**Time:**

9:30 - 17:30 (1. day)

9:30 -13:30 (2. day)

**Room:** ESG, seminarroom 1<sup>st</sup> floor,  
Hindenburgstraße 46, Erlangen

**Max. number of participants:** 16

**Trainer:** Dr. Julia Verse

**Course fees:** 160,00 €

The course "Good Scientific Practice - Protecting Scientific Integrity imparts research-ethical expertise to the participants, gives them space to reflect on their values and attitudes as researchers and allows them to practice skills in dealing with conflictual situations in their research practice. Participants acquire knowledge of the rules of good scientific practice and train their skills in making responsible decisions in everyday research.

### Scientific Writing 3

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**Dates:** 29.06.-03.07.2020

**Duration:** 5 \* 0,5 days

**Time:** 09:00 - 12:15

**Room:** ESG, seminarroom 1. floor,  
Hindenburgstraße 46

**Max. number of participants:** 6

**Trainer:** Dr. Deborah Bennett

**Course fees:** 310,00 €

#### *Writing a PhD Thesis: Streamlining the writing process*

- Kick start the writing process
- Optimize the time spent on the thesis
- Practical tasks to help identify a core theme and develop a structure, dedicated writing time and individual feedback