# Course offer IZKF Graduate School 2018

**Early application is recommended due to the limited number of workshop participants.**

## Scientific Writing: An introduction (foundation level)

**Dates**:
(1) 07. - 09.03.2018
(2) 19. - 21.09.2018

**Time**:
09:00 - 16:30 (1st/2nd day)
09:00 - 12:15 (3rd day)

**Room**:
Unterrichtsraum 1,
Hörsaalgebäude

**Max. number of participants**:
12

**Trainer**:
Dr. Deborah Bennett

This course offers students a practical guide to the process of writing scientific texts (e.g. progress reports, abstracts for conferences and research articles) in English. It studies essential features of academic writing such as formality, objectivity, precision and clarity and provides practical methods for improvement in these areas. A revision of key grammar points and some aspects of punctuation are also included. The latter part of the course focuses specifically on the format of research writing and offers a guide to developing an abstract, introduction and discussion, including structure and key phrases. Finally, there is a brief overview of written correspondence, with a focus on adopting an appropriate register, diplomatic language and how to formulate requests. Between sessions, participants have the opportunity to apply the theory to their own texts and will receive individual feedback which will help them to improve on their own personal weaknesses.

## Scientific Writing: English for research publication (advanced level)

**Dates**:
(1) 23. - 27.07.2018
(2) 08. - 12.10.2018

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

**Room**:
(1) Main, EG,
Krankenhausstraße 12
(2) 1 OG,
Hindenburgstraße

**Max. number of participants**:
6

**Trainer**:
Dr. Deborah Bennett

This course builds on the “introduction to scientific writing” course and is aimed at postgraduate students who are either in the process of writing, or are about to write, an original research article for publication. It focuses on how to highlight the main message of the research and how to maintain this message throughout the article. Each section of a research article is analysed in depth together with associated issues of language and form (e.g. the function of citations, ordering results, cohesion and coherence). While the morning sessions will be devoted to instruction, discussion and preparation, the afternoons will be free for the participants to put the new ideas they have learnt into practice, writing/modifying their article section by section. Each written section will subsequently be critically evaluated by the course facilitator and each participant will be allocated a one-to-one session on the final day to receive detailed individual feedback on their research article.

## Presentation Skills

**Dates**:
18.-20.07.2018

**Time**:
09:00 - 16:30 (1st/2nd day)
09:00 - 12:15 (3rd day)

**Room**:
00.712 (INZ)

**Max. number of participants**:
6

**Trainer**:
Dr. Deborah Bennett

This course offers students an introduction to the process of structuring and delivering a presentation in English. It deals with defining purpose, making a strong opening, selecting key points, knowing the audience and closing effectively. Key phrases are presented for each section of the presentation and techniques for a smooth transition between slides are discussed. The latter part of the course focuses on the use of body language and voice and also provides a practical guide to dealing with the question and answer session at the end of the presentation. During the course, all participants will have the opportunity to deliver a short presentation and will receive individual feedback regarding their strengths and areas for improvement.

## Microscopy course on sample preparation for two channel confocal fixed sample and spinning disc live cell imaging

**Date:**
03. - 06.09.2018
(2 days of attendance)

**Time:**
09:30 - 17:00 (1st)
09:30 - 14:30 (2nd day)

On the first course day there will be a seminar for every participant (all day), on the following days the group will be divided into 3 (half day: hands on sessions) so that every student has to participate on two days altogether.

**Room:**
OICE, Kussmaul Campus, Hartmannstr. 14

**Max. number of participants**:
12

**Trainer:**
Dr. Ralf Palmisano

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 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.

## Biostatistics

**Dates:**
(1) 16. - 17.03.2018
(2) 28. - 29.09.2018

**Time:**
13:00 - 18:00 (1st day)
09:00 - 15:00 (2nd day)

**Room:**
MIK Schulungsraum der Chirurgie, Krankenhausstraße 12
(building of the old surgery, room no. 2.272)

**Max. number of participants:**
10

**Trainer:**
Dr. Matthias Englbrecht

This two day workshop will introduce you to the basic principles of descriptive and inferential statistical data analysis in a hands-on environment using SPSS software. Besides getting in touch with SPSS, you will also learn how to set up scientific hypotheses and how to check whether the data and the results obtained from your data analyses confirm or contradict your current hypotheses according to the appropriate test. Furthermore, you will be given the opportunity to discuss your individual proceedings and thoughts on carrying out data analyses with the supervisor as well as with the other workshop members in a small class environment to get the most out of the two workshop days.

## Intellectual Property Rights

**Date**:
24.05.2018

**Time:**
8:45 - 16:00

**Room:**
Harald zur Hausen-Hörsaal

**Max. number of participants**:
50

**Trainer:**
Prof. Dr. Christian Pilarsky

**A workshop on the process of acquiring intellectual property and its use**
Within this workshop you will have the opportunity to learn from and talk to experts (external and FAU) in the field of intellectual property rights and patenting to understand the opportunities and pitfalls in securing these. This will include information on German, EU and international patent laws. The participation of the workshop on entrepreneurship on the Friday the 25th of May is highly recommended.

## Entrepreneurship

**Date**:
25.05.2018

**Time:**
8:45 - 17:00

**Room:**
Harald zur Hausen-Hörsaal

**Max. number of participants**:
50

**Trainer:**
Prof. Dr. Christian Pilarsky

**Everything you always wanted to know about raising capital (but were afraid to ask)**
Within this workshop you will have the opportunity to learn from and talk to experts in the field of seed and venture financing to understand the opportunities for starting up a biotech company. This will include ways of financing from seed to venture capital, the support you can get from the FAU. The participation of the workshop on IPR on the Thursday the 24th of May is highly recommended.

**Universitätsklinikum Erlangen**

## Career Development in Academia (course language: German)

**Date:**
04.04.2018

**Time:**
09:00 - 17:30

**Room:**
Seminarraum TRC

**Max. number of participants:**
12

**Trainer:**
Dr. Stefanie Herberger

Immer mehr Akademiker schließen eine Promotion ab und zielen auf eine Karriere in der Wissenschaft. Das erhöht die Konkurrenz und verschärft die Auswahlkriterien, die für Postdoc-Stellen und Professuren angesetzt werden. Umso wichtiger ist es, diese Auswahlkriterien und Rahmenbedingungen des Wissenschaftsbetrieb zu kennen und den eigenen Karriereweg diesbezüglich zu reflektieren.
Ziel dieses Workshops ist es, die Eckpfeiler, die heute für eine erfolgreiche wissenschaftliche Karriere unerlässlich sind, zu identifizieren und den eigenen Werdegang daraufhin zu beleuchten:

Wo stehe ich? Wo will ich hin? Wissenschaftliche Karriere – ja oder nein?

Welche Rahmenbedingungen gelten für eine wissenschaftliche Karriere?

Woraus besteht das akademische Karriereportfolio? Wie kann ich meine Postdoc-Phase optimal gestalten?

Sollte ich mir über andere Karrierewege neben der Professur Gedanken machen? Wenn ja, warum und wie?

## Good Scientific Practice – ein Seminar des FAU Graduiertenzentrums

**Date:**
15.06.2018

**Trainer:**
Dr. Christian Schmitt-Engel
Prof. Dr. Anja Bosserhoff

- Gute wissenschaftliche Praxis
- Datendokumentation, Datenmanagement
- Autorenschaft und Publikationsprozess
- Vermeidung von Plagiaten, richtiger Umgang mit Quellen
- Betreuung, Interessenskonflikte und wissenschaftliche Kooperation
- Umgang mit wissenschaftlichem Fehlverhalten