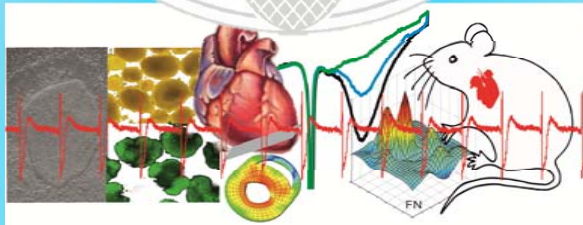


Cologne Summer School on Stem Cells and use of Animals in Research



04 - 15 September 2017

Venue:

MTI-Building 44b
Joseph-Stelzmann-Str. 9,
(access via CECAD)
50931 Köln

University of Cologne



by F. Nguemo

Objective

The purpose of this Summer School Program is to present basic facts and principles that are essential for stem cell research, the proper care and use of animals in research as well as for good laboratory practice. Specifically, we will provide comprehensive and sophisticated training and state-of-the-art methods on (1) the use of stem cells in research, (2) cellular, molecular and developmental biological principles and (3) the use of laboratory animals for advancing cell therapy and understanding human development and disease. By fostering curiosity on how stem cells can be harvested and manipulated to become different cell types which, in turn can be applied in basic research and medicine, the course seeks to encourage students' future pursuit of a masters or doctoral education.

Topics

1. Stem Cell and Regenerative Medicine
2. Regulation and Ethics of Animal Use in Research and Teaching
3. Research Laboratory Safety

Apply before June 30, 2017

Lectures

- ✓ **Research Laboratory Safety and Transgenic Organisms**
- ✓ **The history of Stem Cells and the Future of Medicine**
- ✓ **Stem Cell Technology for Neurodegenerative Diseases**
- ✓ **Cell Transfection and Cellular Reprogramming in Regenerative Medicine**
- ✓ **Stem Cells and Their Potential Relevance to Cardiology**
- ✓ **Stem Cells in Natural Product Testing and Drug Discovery**
- ✓ **Modeling Human Disease with Pluripotent Stem Cells**
- ✓ **Selected Experimental Tools to Study Cardiac and Skeletal Muscle**
- ✓ **Laws and Regulations on Animal Experimentation**
- ✓ **Use of Animals in Research: 3Rs Principles**
- ✓ **Introduction to Important Principles of Grant Writing**
- ✓ **Introduction on How to Write a Research Paper**

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Speakers / Trainers

1	Dr.	Walid	Albanna
2	Prof. Dr.	Konrad	Brockmeier
3	Dr.	Katharina	Dinger
4	PD.Dr.	Marcel	Halbach
5	Prof. Dr.	Jürgen	Hescheler
6	Dr.	Birte	Kathage
7	Dr.	Marek	Molcanyi
8	Dr.	Filomain	Nguemo
9	Dr.	Larissa	Nyami Sagnou
10	Prof. Dr.	Symeon	Papadopoulos
11	PD.Dr.	Kurt	Pfannkuche
12	Dr. Dr.	Tomo	Šarić
13	Prof. Dr.	Toni	Schneider
14	Dr.	Christoph	Stosch
15	Dr.	Maureen	Walberer

Social Events

- Guided tour of Cologne (Cologne Cathedral and Chocolate museum)
- Visit to WDR (German public-broadcasting)
- Visit of the Heart Center, and research facility of the University hospital of Cologne.

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Application

Applications should be submitted no later than **30 June 2017**.

The Summer School 2017 has a limited number of places. Women are explicitly encouraged to apply. Only applications written in English will be accepted for evaluation.

To participate in the summer school please send your application **per email as PDF** file to:

Dr. Christiane Schrader-Wille

Head ZIB Med

Centre for International Relations of the Faculty of Medicine, University of Cologne

christiane.schrader-wille@uk-koeln.de

Application should include:

- A motivation letter
- A brief CV stating your educational background.
- Proof of enrollment; Masters, State Examination, PhD; Faculty of Natural Sciences / Faculty of Medicine (at least 5 semesters of study).

No tuition fees have to be paid by selected students

For more information, please check the Summer School Homepage:

<http://physiologie.uni-koeln.de/23036.html>

Course Venue

Joseph-Stelzmann-Str. 9, 50931 Cologne
MTI-Building 44b



Coordinators

Dr. Filomain Nguemo

Center for Physiology and Pathophysiology
Faculty of Medicine, University of Cologne
Robert-Koch Str. 39, 50931 Cologne
Tel.: 0221 478 6940

Email: filo.nguemo@uni-koeln.de

Prof. Konrad Brockmeier

Director ZIB Med / Director Pediatric
Cardiology, Faculty of Medicine, University of Cologne.
Kerpener Str. 62, 50937 Cologne

Information

**Dr. Benjamin Köckemann /
Dr. Christiane Schrader-Wille**

Head ZIB Med
Faculty of Medicine, University of Cologne
Joseph-Stelzmann-Str. 20
D – 50931 Köln
Tel: 0221 478 6664 / 0221 478 32361

Email: benjamin.koeckemann@uk-koeln.de /
christiane.schrader-wille@uk-koeln.de