



## Welcome to Osnabrück University!

Founded in 1974, Osnabrück University offers its 14.000 students an ideally sized education experience through numerous accredited undergraduate and graduate degree programs in the Humanities, Social Sciences, Natural Sciences, Business and Law. The university is committed to offering its students small course groups and lively interactions between professors and students – our International Summer Schools, for instance, seldom feature more than 20 students in class. Award-winning student services, a broad sports program, and an international atmosphere further enhance the academic experience at Osnabrück University.

Each July, Osnabrück University hosts students and professionals for its International Summer Schools. With a mixture of well-established programs and innovative courses, they represent a unique opportunity to experience student life at a renowned German university. As a participant, you will get to enjoy challenging academic classes, an exciting cultural program, introductory German language lessons as well as an innovative buddy program.

### Your Experience in Osnabrück

- Engage in Cutting-Edge Research
- Discover 800 years of German History
- Experience Well-Established Programs
- Appreciate Bustling Student Life
- Enjoy a Safe, Manageable and Affordable City
- Acquire a Unique Perspective through Local Buddies



Osnabrück is one of the 14 members of the »Historic Highlights of Germany« association

### Curious?

**For more information please visit our website or contact us:**

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### Impressum

*Publisher:* The President of Osnabrück University  
*Editing* Press and Public Relations Office, International Office  
*Photos* Adolf Ollennu, Manfred Pollert, Pressestelle Stadt Osnabrück, Elena Scholz, Lisa Thompson, Franziska Krüger und Sarah Würll  
*Issued* January 2018



## 2018 International Summer Schools in Germany

Biomembranes & Cellular Microcompartments  
July 6 – 29





## 2018 International Summer School on »Biomembranes and Cellular Microcompartments« (BCMC), July 6 – 29

This Summer School offers a unique opportunity to acquire an integrated perspective on the biogenesis, dynamics and physiological functions of biomembranes and cellular microcompartments.

The School is organized by the Science Faculty at Osnabrück University, which combines a strong tradition in biomembrane research with the development of new technologies at the interface of nanoscience and cell biology. Students will gain direct insight into a wide array of experimental approaches and model systems to visualize microcompartments and elucidate their function and dynamics.

### We offer:

- hands-on practical courses and lectures with leading experts in the field
- interactive poster sessions with students and staff of the local Collaborative Research Center on Microcompartments
- career development workshop »making your next move in academia«
- rich cultural and recreational program plus an optional 3-day trip to Berlin
- certification of up to 5 ECTS credits upon successful completion of the whole program

### Program

A key challenge in modern biology is to understand how cells are organized to sustain the living state. Biomembranes define the boundaries of cells and their internal organelles and, hence, are fundamental to the compartmentalization of vital enzymatic reactions. Moreover, individual cellular membranes are organized in specialized subdomains/microcompartments with unique protein and lipid compositions, like the contact zones between distinct organelles or the inner membrane of mitochondria that harbors protein-lipid-based respiratory chain complexes. Even the cytosol and the lumen of the nucleus contain distinct microcompartments, which include protein-nucleic acid scaffolds used for the storage of RNA or for building transcription factories.

Understanding how cellular microcompartments form and execute their specialized functions in membranes, nuclei or the cytosol requires co-operative efforts of cell biologists, (bio)chemists, (bio)physicists, structural biologists and geneticists. As students typically specialize in one particular research area, they often find it hard to grasp and apply this mixture of approaches without a broad overview of the field. This school offers students a corresponding integrative perspective on an exciting and rapidly emerging area of research, while promoting their skills to work in interdisciplinary teams.

### Lecturers

Prof. Roland Brandt, Dr. Gabriele Deckers, Dr. Florian Fröhlich, Dr. Heiko Harten, Prof. Michael Hensel, Prof. Joost Holthuis, Dr. Johann Klare, Prof. Christian Kost, Dr. Armen Mulkidjanian, Prof. Achim Paululat, Prof. Jacob Piehler, Prof. Günther Purschke, Prof. Helmut Rosemeyer, Prof. Martin Steinhart, Prof. Heinz-Jürgen Steinhoff, Prof. Chadi Touma, Prof. Christian Ungermann, Dr. Stefan Walter, Dr. Changjiang You, Prof. Sabine Zachgo, and others.

### Apply now!

Be part of Osnabrück University's Summer School programs and take classes while experiencing Germany! We look forward to receiving your application until **March 31st 2018**.

### Scholarships available!

The biology department is offering a limited number of partial scholarships, funded by the DAAD. Candidate participants who lack the means to fully cover their participation can apply for a limited number of travel stipends and/or partial registration fee waivers (**max. EUR 750**) by including a motivated request in the application.

### Eligibility

Advanced bachelor students or master students in the early stage of their study, with a background in cell biology, biochemistry or biophysics are welcome to apply. Graduate students who started with their work and who want to obtain additional training can also participate. The school offers an attractive forum for any student considering cell and membrane biology as a research area for their future work. Since all courses are taught in English, proficiency in English (B2 CEFR) is required. Applicants go through a selection procedure. Participants must be over the age of 18.

### Program Fee

We aim to offer you a hassle-free experience. Except for your personal living expenses and travel costs, all essentials are included in the program fee. Specifically, **the fee of EUR 1,500** includes:

- All tuition (including all class materials)
- German language and culture classes
- Accommodation
- All cultural activities and excursions
- Summer School ID enabling you to eat at Osnabrück University's canteens for highly reduced prices
- Bus pass valid for public transportation in and around Osnabrück
- Free internet access through Osnabrück University's networks
- Welcome package with information brochures, emergency information and a few extra goodies
- Pick-up service from the train station
- 24/7 assistance via cellphone

Please note that all students from Osnabrück University's partners are eligible for a **discount of EUR 250!**

### Accommodation

Osnabrück University's International Office will arrange for your accommodation. You will stay in either a student dorm or a carefully selected homestay.

### Cultural Program Highlights

As part of this summer school, you will

- be invited for welcome and farewell dinners
- explore Bremen's maritime flair together with fellows from all over the world
- dive into Osnabrück's medieval history during a guided tour by a nightwatchman
- gain knowledge of art and resistance during the Third Reich by visiting an exhibition in the Felix-Nussbaum-Haus
- search for the origins of Erich-Maria-Remarque's »All quiet on the Western Front« in Osnabrück
- walk to Baltrum Island through the UNESCO world heritage site »Mudflats of the North Sea«
- gain first-hand experience about the nation's history and current politics during an optional three-day excursion to Berlin (travel, public transportation, accommodation & breakfast, cultural program all included in the additional price of **EUR 250**).

### Where can I find more information?

For further information, including the application form, please visit our website. We look forward to hearing from you soon!