

1st Old Herborn University SUMMER SCHOOL



HOST-MICROBE INTERACTIONS IN HEALTH AND DISEASE

June 11-14, 2018
Hohe Schule, Herborn-Dill
Germany



Presented by the Old Herborn
University Foundation
Herborn-Dill, Germany

OHUS Summer School

Animals and plants live together and establish stable interactions with a large number of symbiotic microbes. These microbes influence the physiology of the host, from nutrition to behavior. Although many microbes are deleterious to their hosts and cause disease (pathogens), most are actually neutral or even beneficial (commensals and mutualists).

The study of the biology of animals including humans, from functional to evolutionary perspectives, has to take their set of microbial symbionts into account. The course will explore this field with leading scientists who bring a broad range of expertise and approaches. The main goal of this meeting is to help define their future research interests.

The course will last three days (from June 11-13, 2018), and will consist of general lectures, research seminars and development of a project research proposal.

- Participants will meet leaders in the field with different expertise and experience in studying host microbe interactions in health and disease.
- Lectures will cover the state of the art in specific areas of the field and will give the students a broad view of the area. Lecturers will also present their own research on these topics giving the students insight on how specific problems are currently addressed.
- Finally, students will identify important questions in the field and propose a research project to address them. The work will be based on literature research and daily discussions with the lecturers. Following the course, students are invited to participate in the OHUS seminar on Thursday June 14 focused on "Ageing and the Microbiome".



OHUS Summer School Schedule

Monday June 11th

02:00 pm	Welcome
02:30 - 03:30	Lecture A1
03:30 - 04:30	Lecture B1
04:30 - 05:30	Lecture C1

WELCOME DINNER AND GET TOGETHER

Tuesday June 12th

09:00 - 12:00	Lectures A - C2
14:00 - 17:00	Lectures D1 and E1

DINNER

PREPARE STUDENT EXERCISE
(student seminar / grant proposal)

Wednesday June 13th

09:00 - 11:00	Lectures D2 and E2
11:00 - 14:00	Excursion to Gießen University
15:00 - 17:00	Student exercise

Thursday June 14th

- Participate in OHUS meeting "Ageing and the Microbiome"
- One of the students is selected for an oral presentation
- Joint dinner with OHUS faculty and guests

END OF SUMMER SCHOOL



OHUS Summer School Faculty 2018

- **Janelle C. Arthur, Ph.D.**

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Department of Microbiology & Immunology
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 www.med.unc.edu/orfeome/people/faculty/janelle-arthur

- **Thomas C.G. Bosch, Prof.Dr.Dr.h.c.**

Zoologisches Institut, Kiel University
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 www.bosch.zoologie.uni-kiel.de

- **Brian K Kennedy, Ph.D.**

Departments of Biochemistry and Physiology
Centre for Healthy Ageing
Yong Loo Lin School of Medicine, NUS
Buck Institute for Research on Ageing, NOVATO, CA, USA

 bch.nus.edu.sg/bchbkk.htm

- **Mark S. Riddle, M.D., Ph.D.**

National Naval Medical Center
BETHESDA, MD 20814, USA

 www.usuhs.edu/faculty-staff/mark-s-riddle-md-mphtm-drph-captain-navy

- **Dario Riccardo Valenzano, Ph.D.**

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 www.age.mpg.de/science/research-labs/valenzano

Moderation

- **Thomas C.G. Bosch, Prof.Dr.Dr.h.c.**

Chair and Director Zoological Institute
Interdisciplinary Centre „Kiel Life Science“
Christian-Albrechts-University Kiel
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- **Mark S. Riddle, M.D., Ph.D.**

Captain, U.S. Navy
Chair and Professor, Department of Preventive
and Biostatistics Uniformed Services University
of the Health Sciences
4301 Jones Bridge Road
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- **Andreas Schwiertz, Prof.Dr.**

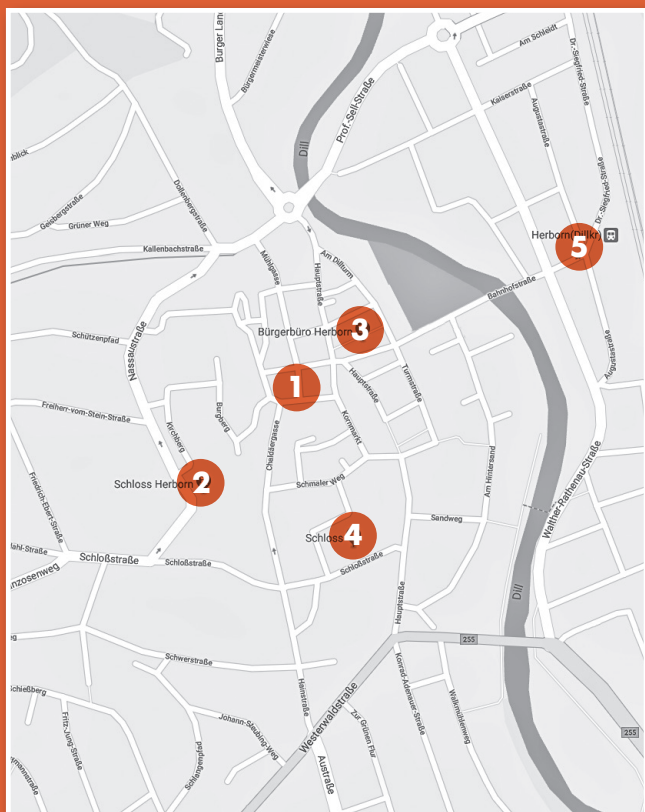
Institut für Mikroökologie
Auf den Luppen 8
34745 HERBORN, GERMANY



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Old Herborn University Foundation



Hotels and other institutions of interest:

- 1** Old Herborn University
Hotel/Restaurant Hohe Schule
Telephone +49 2772 92790
Museum
- 2** Herborn Castle with Theological Seminary
- 3** Town Hall
- 4** Schloß Hotel • Telephone +49 2772 7060
- 5** Railway Station

Travel

Herborn is located approximately 100 kilometers to the north-west of Frankfurt at the base of the Westerwald between Wetzlar and Siegen. Herborn is conveniently accessible by railway or Autobahn. The airport of Frankfurt offers worldwide airline connections. The airports Köln/Bonn and Düsseldorf provide further access.

For travel arrangements contact:

- **Wilma Jung**

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Accommodation

- Will be arranged by the committee

Contact and Information

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Applications open

Applications are open until **March 31, 2018**.

To apply send an email with a single pdf file to Dorothee Moseley.

@ dorothee.moseley@old-herborn-university.de

Application documents – Applicants should submit a letter explaining why they want to participate in the course, CV, and a letter of reference from the PhD supervisor. The Foundation's specific objective is the support of talented students with diverse backgrounds.

Accepted applicants will have to pay a registration fee of 300 Euros. Registration will include lodging and meals during the full duration of the course.

We are looking forward to your application!

Please remit payment with your registration.

Old Herborn University

www.old-herborn-university.de