

# Old Herborn University Seminar

## 32

### AGEING AND THE MICROBIOME

June 14, 2018  
Hohe Schule, Herborn-Dill  
Germany

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



# Old Herborn University

# Old Herborn University Foundation

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## History

The Old Herborn University was founded in 1584 by William I. The Silent, Prince of Orange and Count of Nassau, and his brother, Count Johann VI. of Nassau-Dillenburg-Katzenelnbogen. The structure of the Schola Johannea was oriented at the organisation of the universities in Geneva and Strasbourg. In addition to a Schola privata, comparable to a college of our times, a Schola publica, the university, was built. Faculties in theology, philosophy, jurisprudence, and medicine were installed. As the first reformational university in Germany, the Alma Mater Johannea, the “Hohe Schule”, did not only attract numerous students, among them Jan Amos Comenius, but also supported important scholars, as Althusius, Olevian, and Piscator. Many of such influential scholars exerted considerable effects upon historical developments in Germany, the Netherlands, Switzerland, England, eastern and northern Europe, and North America. The small town of Herborn in Nassau became well renowned throughout Europe during 1584 and 1630. War and political changes, however, reduced the importance of the academy more and more, until it was ordered to be closed by Napoleon in 1812 and consequently ceased to exist in 1817. The only remainder of the four faculties is a theological seminary, which now occupies the Castle of Herborn.



# Old Herborn University Seminar

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In honour of the 400<sup>th</sup> anniversary of the Alma Mater Johannea an International Symposium on Intestinal Microecology was held at Herborn 1984. This special meeting initiated the revival of academic activities at the „Hohe Schule“ in the medical field and life sciences. The remarkable symposium stimulated some distinguished ideas and generated the plan to install a series of seminars with a new scientific format at the Old Academy of Herborn.

The Old Herborn University Seminar series started in 1986 and became a splendid success recognized worldwide. The academic activities resulted in the establishment of an independent „Old Herborn University Foundation“ in 2003. This non-profit institution is dedicated to the promotion of science and research, in the field of medicine, biomedical and life sciences, respectively. The 24<sup>th</sup> seminar on the „Development of Strategies to Overcome Barriers to Effective Mucosal Immunization of Infants in Developing Countries“ in 2010 was supported by the Bill and Melinda Gates Foundation and PATH, a global health organization. The 2018 topic is “Ageing and the Microbiome“ reflecting a fascinating development in life sciences.

All information upon the Old Herborn University Foundation is accessible via internet, as well as all monographs subsequently published following the individual seminars.

[www.old-herborn-university.de](http://www.old-herborn-university.de)

## Public Presentations

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### Ageing and the Microbiome

#### 32<sup>nd</sup> Old Herborn University Seminar June 14, 2018

08.00 - 08.30    **REGISTRATION**

08.30 - 08.45    **Introduction**

Volker Rusch

08.45 - 09.00    **Some Insights about Ageing  
from a Shark and an Oyster**

Michael Zasloff

09.00 - 09.30    **Physiology of Human Ageing**

Robert J. Pignolo

09.30 - 10.00    **The Age of Ageing: Can We Intervene?**

Brian Kennedy

10.00 - 10.30    **COFFEE BREAK**

10.30 - 11.00    **Life Span Regulation by the Gut Microbiota  
in the Naturally Short-Lived African  
Turquoise Killifish**

Dario Riccardo Valenzano

11.00 - 11.30    **Elucidating Potential Contributions  
of the Microbiome to Ageing Pathologies**

Christoph Kaleta

# Public Presentations

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11.30 - 12.00    **Ageing and the Microbiome:  
Lessons from Non-Senescent Models**  
Thomas C. G. Bosch

12.00 - 13.30    **LUNCH**

13.30 - 14.00    **Ageing and Gut to Brain Signalling**  
Wolfgang Kunze

14.00 - 14.30    **From the Gut to the Brain:  
The Roles of Microbiota in Stroke**  
Josef Anrather

14.30 - 15.00    **The Microbiome and Cancer**  
Janelle C. Arthur

15.00 - 15.30    **COFFEE BREAK**

## Special Lecture

15.30 - 16.00    **Presentation from the OHUS  
Summer School**  
Student

16.00 - 16.30    **General Discussion**

16.30 - 16.45    **Academic Ceremony**

16.45 - 17.30    **Courtyard Reception**

## Executive Committee

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**John Bienenstock, M.D.**

Director

The McMaster Brain-Body Institute  
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50 Charlton Avenue East  
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## Science Advisory Committee

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

Chair and Director Zoological Institute  
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# Science Advisory Committee

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Chair and Professor, Department of Preventive  
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## **Helena Tlaskalova-Hogenova, M.D., D.Sc**

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## **James Versalovic, M.D., Ph.D.**

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## **Michael Zasloff, M.D., Ph.D.**

Professor of Surgery and Pediatrics  
MedStar Georgetown Transplant  
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# OHUS Faculty 2018

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## **Josef Anrather, VMD**

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

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## **Brian Kennedy, Ph.D.**

Director of the Centre for Healthy Ageing

Professor, Departments of Biochemistry and Physiology

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Yong Loo Lin School of Medicine

National University Singapore

SINGAPORE 117596, SINGAPORE

## OHUS Faculty 2018

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### **Wolfgang Kunze, Ph.D.**

Associate Professor

Gut, Brain & Aging Laboratory

The Brain-Body Institute

St Joseph's Healthcare & McMaster University

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### **Robert J. Pignolo, M.D., Ph.D.**

Chair, Geriatric Medicine & Gerontology

Robert and Arlene Kogod Professor

of Geriatric Medicine

Mayo Clinic College of Medicine

200 First Street SW

ROCHESTER, MN 55905, USA

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

Max Planck Institute for Biology of Ageing

Joseph-Stelzmann Str. 9b

50931 COLOGNE, GERMANY

## Contact and Information

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[www.old-herborn-university.de](http://www.old-herborn-university.de)

## Travel

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Herborn is located approximately 100 kilometers to the northwest of Frankfurt at the base of the Westwood Forest 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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D 35727 Herborn-Dill, Germany

Telephone +49 2772 921 100

Telefax +49 2772 921 101

wilma.jung@old-herborn-university.de

## Accommodation

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Rooms have been reserved in different hotels in Herborn. To make your reservation, please indicate the preferred room reservation in the registration request form and mail to:

Old Herborn University Foundation, Postfach 1765  
D 35727 Herborn-Dill, Germany

### **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

## Seminar Moderation

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### **John Bienenstock, M.D.**

Director

The McMaster Brain-Body Institute  
St. Joseph's Healthcare Hamilton  
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### **Thomas C.G. Bosch, Prof.Dr.Dr.h.c.**

Chair and Director Zoological Institute  
Interdisciplinary Centre „Kiel Life Science“  
Christian-Albrechts-University Kiel  
Am Botanischen Garten 1-9  
D-24118 KIEL, GERMANY

### **Michael Zasloff, M.D., Ph.D.**

Professor of Surgery and Pediatrics  
MedStar Georgetown Transplant  
Georgetown University Hospital 2 Main  
WASHINGTON, DC 20007, USA

## Internal Discussion

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Structured Discussion among the faculty only:

“Ageing and the Microbiome”

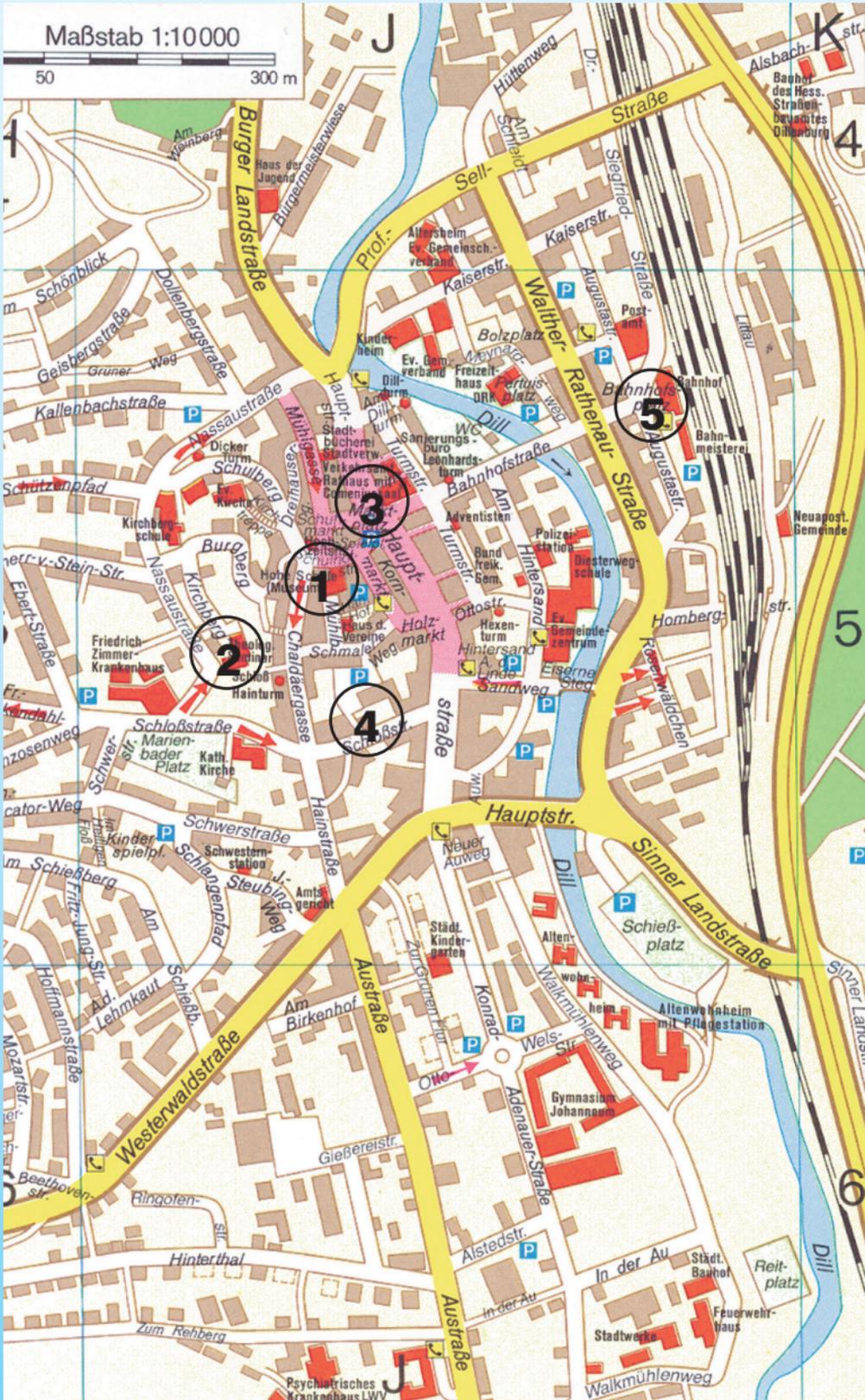
### **Seminar Discussion**

**June 15, 2018**



**Old Gerborn University**

# Old Herborn University Foundation



# Location Germany

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# Registration Request

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## Old Herborn University Seminar Public Presentation, June 14, 2018

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Name

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Address

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EUR-Zip Code

City

US State

US Zip Code

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Country

Postal Code

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Speciality

Degree

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Type of work

The registration fee is € 100,-. Please remit payment with your registration. Make checks payable to Old Herborn University Foundation  
Postfach 1765  
D-35727 Herborn-Dill, Germany

## Hotel Accommodation

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Hotel single room

Hotel double room

Arrival

Departure



Old Herborn University



[www.old-herborn-university.de](http://www.old-herborn-university.de)