Old Herborn University Seminar 35

MICROBES IMPACTING MAMMALIAN SYSTEMS BIOLOGY

June 15, 2023 Hohe Schule, Herborn-Dill Germany

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



Old Herborn University

Old Herborn University Foundation

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

In honour of the 400th 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 independant "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 24th 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 2023 topic is "Microbes Impacting Mammalian Systems Biology" 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.

Public Presentations

MICROBES IMPACTING MAMMALIAN SYSTEMS BIOLOGY

35th Old Herborn University Seminar June 15, 2023

| 08:30 - 09:00 | REGISTRATION |
|---------------|--|
| 09:00 – 09:15 | Introduction – A Short History of the Old Herborn University Volker Rusch |
| 09:15 | SESSION 1: GROWTH, DEVELOPMENT AND INFECTIONS Chair: Tore Midtvedt |
| 09:15 – 09:45 | Womb with a View: The Importance of Maternal-Fetal Communication during Early Development Kjersti Aagaard |
| 09:45 – 10:15 | Lactiplantibacillus plantarum ^{WJL} Supports Mouse Juvenile Growth during Chronic Undernutrition Martin Schwarzer |
| 10:15 – 10:45 | Microbiota-Host Interactions in Fungal Infections Luigina Romani |
| 10:45 – 11:15 | COFFEE BREAK |
| 11:15 | SESSION 2: MICROBIOME- GUT-BRAIN AXIS Chair: James Versalovic |
| 11:15 – 11:45 | Early-Life Gut Microbiome and Neurodevelopmental Outcomes |

Public Presentations

| 11:45 – 12:15 | The Gut Microbiome: A Missing Ingredient in Celiac Disease? Elena Verdú |
|---------------|---|
| 12:15 – 13:45 | LUNCH |
| 13:45 | SESSION 2 CONTINUED: MICROBIOME-GUT-BRAIN AXIS |
| 13:45 – 14:15 | Neuroimmune Mechanisms in the Microbiota-Gut-Brain Axis Premysl Bercik |
| 14:15 | SESSION 3: SPECIAL TRIBUTES Chair: Andreas Schwiertz |
| 14:15 – 14:45 | A Fairy Tale from Modern Times: The Old Herborn University Seminars Tore Midtvedt |
| 14:45 – 15:10 | COFFEE BREAK |
| 15:10 – 15:15 | Short Movie: Dr. John Bienenstock |
| 15:15 – 15:45 | In the Shadow of John Bienenstock: Targeting the Enteric Nervous System to Treat Neurodegenerative Diseases Michael Zasloff |
| 15:45 – 16:15 | General Discussion |
| 16:15 – 16:45 | Academic Ceremony |
| 16:45 – 17:30 | Courtyard Reception |
| 20:00 | DINNER |

Seminar Moderation

Prof. Tore Midtvedt, M.D., Ph.D.
Microbiology and Tumorbiology Center
Karolinska Institute
171 77 STOCKHOLM, SWEDEN

Prof. Dr. rer. nat. Andreas Schwiertz Institut für Mikroökologie Auf den Lüppen 8 34745 HERBORN, GERMANY

Prof. James Versalovic, M.D., Ph.D. Baylor College of Medicine Texas Children's Hospital 1102 Bates Avenue HOUSTON, TX 77030, USA

Internal Discussion

Structured discussion among the faculty only: "Microbes Impacting Mammalian Systems Biology"

Seminar Discussion June 16, 2023



Old Herborn University

Executive Committee

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Travel

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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Accommodation

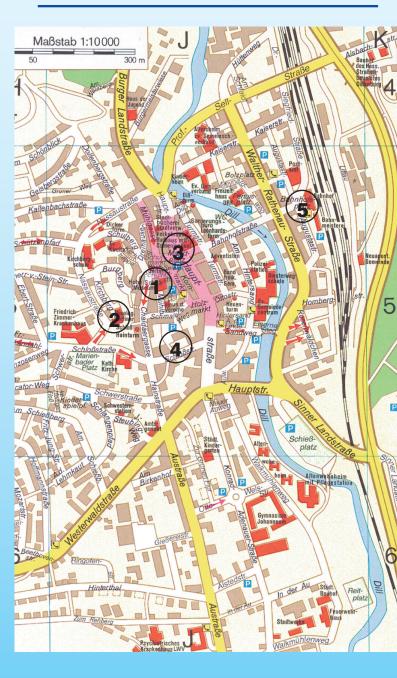
Rooms have been reserved in different hotels in Herborn. To make your reservation, please indicate the prefered room reservation in the registration request form and mail to:

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

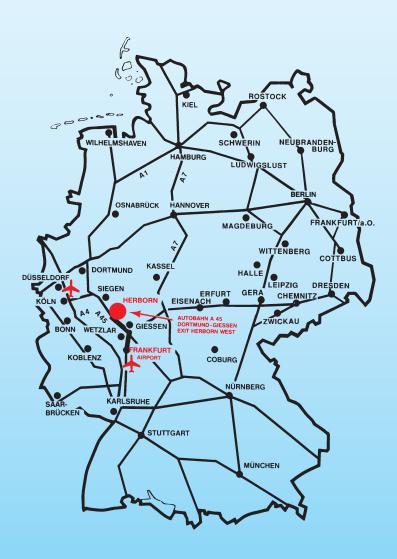
Hotels and other institutions of interest:

- 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

Old Herborn University Foundation



Location Germany



Registration Request

Old Herborn University Seminar Public Presentations, June 15, 2023

| Name | | | | | | |
|---|---------------------------------|-------------------|----------------------|-------------|--|--|
| Address | | | | | | |
| EUR-Zip Code | City | | US State | US Zip Code | | |
| Country | | | Postal Code | | | |
| Speciality | | Degree | | | | |
| Type of work | | | | | | |
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| Hotel Accommodation | | | | | | |
| Hotel single room Arrival ————— Departure ———— | Hotel | l double roo | m | | | |



Old Herborn University

