

Old Herborn University Seminar

24

Development of Strategies to Overcome Barriers to Effective Mucosal Immunization of Infants in Developing Countries

24th June 2010
Hohe Schule, Herborn-Dill
Germany

Supported by

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Old Herborn University

Mucosal Immune Regulation

A need has been identified for a special seminar where for the first time experts can meet to closely review the topics of impaired mucosal immune regulation which has been a roadblock to fully successful oral immunization of infants and children in developing countries against enteric pathogens. For this reason, the Old Herborn University Foundation and the Bill and Melinda Gates Foundation are collaborating in holding a meeting on the development of strategies for effective mucosal immunization of infants in developing countries at which experts can focus their attention on this important topic.

The purpose of this special workshop is to bring together a panel of experts to review what is currently known and map a strategy forward so mucosal immunization can be used more effectively to benefit children living in disadvantaged situations in less developed countries. In a public session, invited specialists will present available information to lead to a better understanding of early intestinal events in infants and what may be done now or in the future to circumvent the effects these events may have on oral vaccination. In subsequent internal discussions, not open to the public, the presenters and other invited experts will be given specific questions for discussions following which they should provide answers to the questions or identify what is needed to fill the gap. In addition to the classical Old Herborn University Seminar Monograph, it is anticipated that a review of the meeting will be written for wide dissemination through publication.



Old Herborn University Foundation

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. 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 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 revival occurred with the 400th anniversary in 1984 and an International Symposium on Intestinal Microecology. This event stimulated some scientists to install a series of seminars with a new format aiming at bridging the gap apparent between different disciplines at a high scientific level to overcome the limitations of traditional symposia. The Old Herborn University Seminar series started in 1987 and proved to be successful. In 2003, the academic activities resulted in the establishment of an independent “Old Herborn University Foundation”. All information upon this institution as well as all monographs published following the individual seminars is accessible via internet.

Public Presentations

Development of Strategies to Overcome Barriers to Effective Mucosal Immunization of Infants in Developing Countries

Old Herborn University Seminar 24 24th June 2010

- | | |
|---------------|--|
| 7.30 - 8.30 | REGISTRATION |
| 8.30 - 8.45 | Introduction - Welcome to the Old Herborn University
Volker Rusch |
| 8.45 - 9.15 | Mucosal Immune Responses in Infancy and Early Childhood: Implications in Successful Oral Immunization
Pearay L. Ogra |
| 9.15 - 9.45 | Determinants of Responsiveness to Oral Vaccines in Developing Countries
David Sack |
| 9.45 - 10.15 | How Important Might Innate Immunity be in Determining Infant Responses to Microbial Antigens in the Intestine?
Michael Zasloff |
| 10.15 - 10.45 | Early Nutrition and Microbiota and the Development of Immune Function in the Neonate
Denise Kelly |

Public Presentations

- 10.45 - 11.15 **BREAK**
- 11.15 - 11.45 **Impact of the Intestinal Microbiota on the Development of Mucosal Defense**
Andrew Neish
- 11.45 - 12.15 **Effect of Geohelminth Infections on Immunon Immunity to Oral Vaccines**
Philip Cooper
- 12.15 - 12.45 **Immune Responses to Vaccines in Neonatal Animal Models**
Marcella Pasetti
- 12.45 - 14.15 **LUNCH**
- 14.15 - 14.45 **The MAL-ED Project: Deciphering of the Relationship Among Normal Gut Flora, Enteric Infection and Malnutrition and Their Association with Immune Response to Vaccines**
Dennis Lang
- 14.45 - 15.15 **Mechanisms of Immune Enhancement by Probiotics**
James Versalovic
- 15.15 - 15.45 **Effects of Malnutrition and Micronutrient Deficiency on Hypo-responsiveness to Oral Vaccines: What can be done to Overcome This?**
Firdausi Qadri

Public Presentations

- 15.45 - 16.15 **BREAK**
- 16.15 - 16.45 **Novel Mucosal Immunization Strategies which may help Circumvent the Intestinal Barrier to Effective Mucosal Immunization**
Cecil Czerkinsky
- 16.45 - 17.15 **Concluding Remarks**
- 17.15 - 18.00 **Closing Ceremony**

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Old Gerboorn University

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Seminar Moderation

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1800 K Street NW
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Internal Discussion

Development of Strategies to Overcome Barriers
to Effective Mucosal Immunization of Infants in
Developing Countries

Structured discussion among the faculty invited, only.

Seminar Discussion

24th June 2010

Faculty 2010

Philip Cooper, M.D., Ph.D.

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Faculty 2010

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Head Department of Pathology
Chief, Pathology Service
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Houston, TX 77030, USA

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Professor of Surgery and Pediatrics
Surgical Immunology, Transplant Institute
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3800 Reservoir Road NW
Washington DC, 20007, USA

Old Herborn University Foundation

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 Mrs. Wilma Jung,
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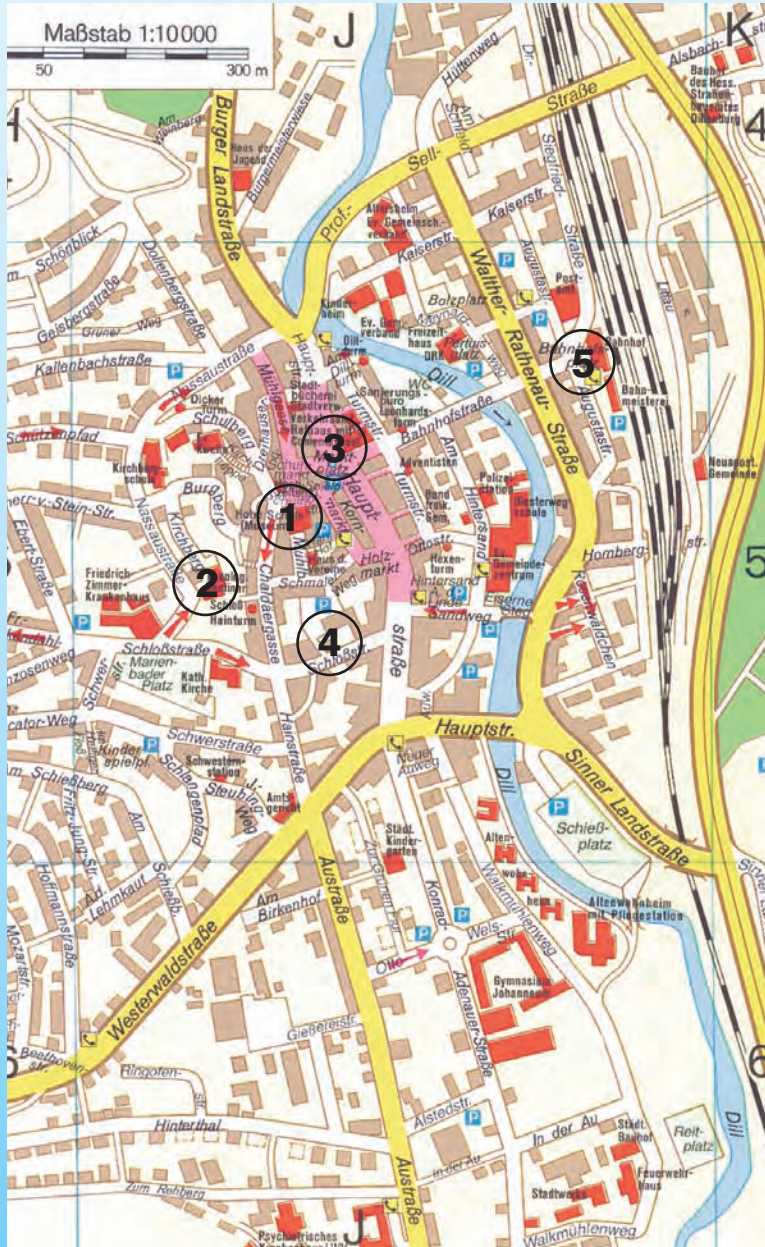
Accommodation

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



Location Germany



Registration Request

Old Herborn University Seminar Public Presentation, 24th June 2010

Name _____

Address _____

EUR-Zip Code _____ City _____ US State _____ US Zip Code _____

Country _____ Postal Code _____

Speciality _____ Degree _____

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

Hotel single room Hotel double room

Arrival _____

Departure _____



www.old-herborn-university.de



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