



**Joint International Symposium**

# **VITAMIN D**

**IN PREVENTION AND THERAPY &**

# **BIOLOGIC EFFECTS OF LIGHT**

**Wissenschaft***ft* **Gesundheit**

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## WELCOME

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Dear Participants, Colleagues and Friends,

on behalf of the scientific committee, it is a pleasure for us to welcome you at our Joint International Symposium entitled *Vitamin D in Prevention and Therapy and Biologic Effects of Light*.

In recent years, enormous scientific progress has been made on these closely related topics. Our knowledge about the effects of vitamin D and optical radiation on human health has exploded and the underlying mechanisms are beginning to be unravelled. Results from laboratory and clinical investigations have lead to promising new concepts for the prevention and treatment of cancer and many other diseases. This meeting is specially designed to synergistically offer scientists and clinicians insights into the latest developments in these intriguing research areas.

Plenary and keynote lectures, as well as round table discussions and poster presentations, will give an update on carefully selected “hot topics”, including vitamin D, skin cancer prevention, UVA radiation and cellular homeostasis, photocarcinogenesis, and circadian clock. You are cordially invited to join this meeting.

Thank you for coming to Homburg,  
we wish us a stimulating meeting!



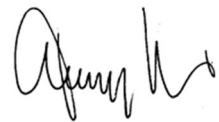
Jörg Reichrath



Michael F. Holick



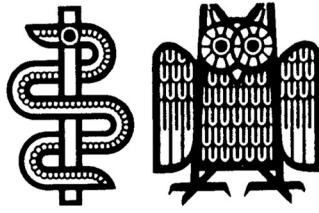
Michael Friedrich



Thomas Vogt

## Wissenschaft *ft* Gesundheit





**Joint International Symposium**

***Vitamin D in Prevention and Therapy***  
**and**  
***Biologic Effects of Light***

Schlossberg-Hotel, Homburg, Germany

May 8-10, 2024

Organized by

**J. Reichrath<sup>1</sup>, M.F. Holick<sup>2</sup>, M. Friedrich<sup>3</sup> and Th. Vogt<sup>1</sup>**

<sup>1</sup>Dept. of Dermatology, Venerology and Allergology,  
The Saarland University Hospital, Homburg/Saar, Germany;

<sup>2</sup>Dept. of Medicine/Endocrinology, Boston Medical Center, Boston, MA, USA;

<sup>3</sup>Dept. of Gynecology, Helios Clinic Krefeld, Krefeld, Germany.

# CONGRESS INFORMATION

## Organizing Committee

M. Friedrich, Krefeld, Germany; M.F. Holick, Boston, USA; J. Reichrath, Homburg, Germany; Th. Vogt, Homburg, Germany

## Local Organizing Committee

L. Albrecht, L. Arend, A. Dethmers, T. Felix Fernandes, C. Gevaerd, C. Klitz, M. Preiß, J. Reichrath, R. Saturnus, Th. Vogt, D. Yüksel, (Homburg/Saar, Germany)

## Scientific Board

M.F. Holick, Boston; M. Preiß, Homburg/Saar; J. Reichrath, Homburg/Saar; Th. Vogt, Homburg/Saar

## Location

The symposium is held at the Schlossberg-Hotel Homburg, Schlossberg-Höhenstraße, 66424 Homburg / Saar, GERMANY, Tel: 0049-(0)6841-6660 - Fax: 0049-(0)-6841-62018 – Email: [info@schlossberghotelhomburg.de](mailto:info@schlossberghotelhomburg.de)

## Congress Office

N. Brengel  
Sekretariat Professor Dr. med. Jörg Reichrath  
Stellvertretender Klinikdirektor / Leitender Oberarzt  
Klinik für Dermatologie, Venerologie und Allergologie  
Universitätsklinikum des Saarlandes und Medizinische Fakultät der  
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E-mail: [nicole.brengel@uks.eu](mailto:nicole.brengel@uks.eu)

## Desks

From Wednesday, May 8, 7.30 AM the congress office with the following desks will be situated during the symposium at the Schlossberg-Hotel Homburg:

Registration/Information/Travel/Sekretariat/Projection

## Conference Language

English

## Presentation

Speakers are requested to turn their Power point presentations over to the projectionist at least 15 minutes before the session begins.

## Social Programme

The organizers invite all speakers and registered participants on Tuesday evening (7.30 PM) to a welcome reception and on Wednesday/Thursday evening for dinner, all at the Schlossberg hotel. For accompanying persons, tickets for welcome reception and dinner (30 EURO/person/day) can be purchased at the registration desk.

## Payment

### Registration fee:

Students: 50 Euro for one symposium: Vitamin D **OR** BEOL  
75 Euro for both symposia: Vitamin D **AND** BEOL

Other participants: 250 Euro for one symposium: Vitamin D **OR** BEOL  
350 Euro for both symposia: Vitamin D **AND** BEOL

All fees have to be swift to the following account:

**Name of Bank: Bank1 Saar**  
**Account holder: Universität des Saarlandes**  
**Bank Code: 591 900 00**  
**Account Number: 977 180 08**  
**International Bank Code: IBAN DE94591900000097718008**  
**BIC: SABADE5S**  
**Reference note: E204180116 – Vitamin D + BEOL“**  
**(please do not transfer without reference note!)**

We regret that payment by cash or credit card cannot be accepted.

**International Symposium**  
***Vitamin D in Prevention and Therapy***

**PRELIMINARY PROGRAMME**

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Wednesday, May 8

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*7.30 AM – 7.00 PM*      **Registration**

***Featured Lectures***

8.00 – 8.10 AM      **Welcome address**  
M. Menger (Dean of Saarland University Faculty of  
Medicine)

8.10 – 8.15 AM      **Opening remarks**  
Th. Vogt (Homburg), M.F. Holick (Boston),  
M. Friedrich (Krefeld) and J. Reichrath (Homburg)

**I.      Historic and Future Perspectives of Vitamin D**

**Chair:**      **A.T. Slominski (Birmingham, USA)**  
                 **R. Vieth (Toronto, Canada)**

***Plenary Lecture***

8.15 – 9.00 AM      **M.F. Holick (Boston, USA)**  
THE D-LIGHTFUL VITAMIN D: A 100+ YEARS HISTORICAL  
PERSPECTIVE AND NEW INSIGHTS FOR HUMAN HEALTH

## **II. Molecular Biology of Vitamin D (I) - New Insights in Vitamin D Signaling**

**Chair:**            **A.T. Slominski (Birmingham, USA)**  
                         **R. Vieth (Toronto, Canada)**

9.00 – 9.30 AM            **C. Carlberg (Kuopio, Finland)**  
VITAMIN D SIGNALING IN VIVO: FOCUS ON HUMAN IMMUNE CELLS

9.30 – 10.00 AM        **D. Steinhilber (Frankfurt, Germany)**  
VITAMIN D AND INFLAMMATION

10.00 – 10.45 AM        **Coffee Break and Poster View**

## **III. Molecular Biology of Vitamin D (II) – Recent developments in Synthesis, Analysis and Function of Vitamin D Metabolites**

**Chair:**            **C. Carlberg (Kuopio, Finland)**  
                         **W. März (Graz, Austria)**

### ***Plenary Lecture***

10.45 – 11.30 AM        **A.T. Slominski (Birmingham, USA)**  
GENOMIC EFFECTS OF NEW BIOLOGICALLY ACTIVE VITAMIN D AND LUMISTEROL METABOLITES: PRESENT CONCEPTS AND FUTURE OUTLOOK

11:30 – 11:50 AM        **L. Kattner (Saarbrücken, Germany)**  
SYNTHESIS OF VITAMIN D METABOLITES: WHAT IS NEW?

11.50 – 0.20 PM        **M.A. Maestro (La Coruna, Spain)**  
VITAMIN D ANALOGS: LESSONS LEARNED FROM A CENTURY OF CHEMICAL RESEARCH AND STRUCTURAL INSIGHTS

0.20 – 0.50 PM                    **N. Rochel (Illkirch, Cedex, France)**  
DEVELOPMENT OF SELECTIVE VDR MODULATORS

0.50 – 2.30 PM                    **Lunch Break and Poster View**

#### **IV.     Vitamin D Endocrine System in Health and Disease (I)**

**Chair:**                    **D. Steinhilber (Frankfurt, Germany)**  
                                 **M.F. Holick (Boston, USA)**

2.30 – 3.00 PM                    **J. Linseisen (München, Germany)**  
VITAMIN D AND RESPIRATORY INFECTIONS

3.00 – 3.30 PM                    **S. Pilz (Graz, Austria)**  
EVIDENCE BASED MEDICINE: HOW IS IT APPLIED IN THE FIELD  
OF VITAMIN D VERSUS COVID-19

3.30 – 4.00 PM                    **W. März (Graz, Austria)**  
VITAMIN D DEFICIENCY AND CARDIO-VASCULAR  
HEALTH

4.00 – 4.30 PM                    **Coffee Break and Poster View**

#### **V.     Vitamin D Status in Humans: What is optimal?**

**Chair:**                    **J. Linseisen (München, Germany)**  
                                 **H. Brenner (Heidelberg, Germany)**

##### ***Plenary Lecture***

4.30 – 5.15 PM                    **R. Vieth (Toronto, Canada)**  
PALEOLITHIC 25-HYDROXYVITAMIN D LEVELS AND  
MODERN-DAY HUMANS



5.15 – 5.45 PM      **Round Table Discussion including an Interactive Audience Response/Voting System** (chair: M.F. Holick, Boston, USA; R. Vieth, Toronto, Canada; S. Pilz, Graz, Austria)

5.45 – 6.00 PM      **Concluding Remarks:** M.F. Holick, J. Reichrath and Th. Vogt

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Thursday, May 9

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8.00 AM - 6.00 PM      **Registration**

## **VI. Vitamin D Endocrine System in Health and Disease (I)**

**Chair:**            **S. Pilz (Graz, Austria)**  
                         **H.C. Wulf (Copenhagen, Denmark)**

### ***Plenary Lecture***

8.00 – 8.45 AM      **M.F. Holick (Boston, USA)**  
WHAT IS THE OPTIMAL VITAMIN D STATUS FOR SKELETAL AND NONSKELETAL HEALTH OUTCOMES?

8.45 – 9.15 AM      **H. Brenner (Heidelberg, Germany)**  
RANDOMIZED TRIALS ON THE EFFECTS OF VITAMIN D SUPPLEMENTATION ON MORTALITY AND CARDIOVASCULAR EVENT OUTCOMES: META\_ANALYSIS ACCORDING TO KEY DESIGN FEATURES

9.15 – 9.45 AM      **J. Bittenbring (Homburg, Germany)**  
VITAMIN D AND CANCER: AN UPDATE

9.45 – 10.15 AM      **M. Schömann-Finck (Saarbrücken, Germany)**  
UMBRELLA REVIEW ON BREAST, COLORECTAL, PANCREATIC,  
LUNG CANCER INCIDENCE AND MORTALITY AND VITAMIN D

10.15 – 11.00 AM      **Coffee Break and Poster View**

## **VII. Vitamin D Status in Humans: What is optimal?**

**Chair:**      **J. Linseisen (München, Germany)**  
                 **H. Brenner (Heidelberg, Germany)**

11.00 – 11.30 AM      **M. Herrmann (Graz, Austria)**  
FUNCTIONAL ASSESSMENT OF VITAMIN D STATUS BY A NOVEL  
METABOLIC APPROACH

11.30 -12.00 AM:      **S. Pilz (Graz, Austria)**  
GUIDELINES FOR PREVENTING AND TREATING VITAMIN D  
DEFICIENCY: AN UPDATE

0.00 – 0.30 PM      **Round Table Discussion including an Interactive  
Audience Response/Voting System (chair: M.F.  
Holick, Boston, USA; A.T. Slominski, Birmingham,  
USA)**  
Vitamin D in prevention and therapy – challenge and  
promise

0.30 – 0.40 PM      **Concluding Remarks:** M.F. Holick, J. Reichrath  
and Th. Vogt

0.40 – 2.00 PM      **Lunch Break and Poster View**

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**International Symposium**  
***Biologic Effects of Light***  
**PRELIMINARY PROGRAMME**

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Thursday, May 9

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**I. Solar Radiation and Health (I)**

**Chair:** Th. Vogt (Homburg, Germany),  
M.F. Holick (Boston, USA)

***Plenary Lecture***

2.00 – 2.30 PM

**A.T. Slominski (Birmingham, USA)**

NEW PERSPECTIVES ON THE ROLE OF NOVEL  
SECOSTEROIDS IN UV RADIATION INDUCED SKIN  
CANCERS

**2.50 - 3.20**

**P.A. Philipsen (Copenhagen, Denmark)**

NEW ACTION SPECTRA FOR VITAMIN D FORMATION  
AND DNA DAMAGE IN HUMAN SKIN FOR RISK-BENEFIT  
ESTIMATION

3.20 – 3.45 PM

**H.C. Wulf (Copenhagen, Denmark)**

SUN EXPOSURE AND SUN PROTECTION

3.45 – 4.15 PM

N.N. (Round table discussion – Shadow rule)

4.15 – 5.00 PM

**Coffee Break and Poster View**

## **II. Solar Radiation and Health (II)**

**Chair:** N. Neumann (Düsseldorf, Germany),  
P.A. Philipsen (Copenhagen, Denmark)

**5.00 – 5.30 PM** P.G. Lindqvist (Stockholm, Sweden)  
SUN EXPOSURE AND ALL CAUSE MORTALITY

**5.30 – 6.00 PM** **Round Table Discussion including an Interactive Audience Response/Voting System (chair: M.F. Holick, Boston, USA; A.T. Slominski, Birmingham, USA)**  
Solar radiation in prevention and therapy – challenge and promise

**6.00 – 6.10 PM** **Concluding Remarks:** M.F. Holick, J. Reichrath and Th. Vogt

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Friday, May 10

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*8.00 AM - 4.30 PM*      **Registration**

## **III. Solar Radiation and Health (III)**

**Chair:** P.A. Philipsen (Copenhagen, Denmark)  
A. Tanew (Vienna, Austria)

### ***Plenary Lecture***

**8.15 – 9.00 AM** **A.T. Slominski (Birmingham, USA)**  
REGULATION OF THE CENTRAL NEUROENDOCRINE AND IMMUNE SYSTEM BY ULTRAVIOLET RADIATION:

IMPLICATIONS FOR THE REGULATION OF BODY  
HOMEOSTASIS

9:00 – 9.30 AM      **N.J. Neumann (Düsseldorf, Germany)**  
MANAGEMENT OF PHOTODERMATOSES

9.30 -9.45 AM      **H.C. Wulf (Copenhagen, Denmark)**  
SIMPLIFYING TECHNOLOGIES FOR PHOTOTESTING

9.45 – 10.30 AM      **Coffee Break and Poster View**

**IV.    UV-Radiation and Cancer**

**Chair:**              **H.C. Wulf (Copenhagen, Denmark)**  
                         **T. Vogt (Homburg, Germany)**

10.30 – 11.15 AM      **M. Lerche (Copenhagen, Denmark)**  
UV-INDUCED SKIN CANCER: NEW INSIGHTS FROM ANIMAL  
MODELS

11.15– 11.45 AM      **G. Delinasios (Kapandriti, Greece)**  
UV-INDUCED „DARK“ CYCLOBUTANE PYRIMIDINE  
DIMERS: PERSPECTIVES ON FORMATION, MECHANISMS  
AND PHOTOPROTECTION

11.45-12.15 AM      **P.A. Philipsen (Copenhagen, Denmark)**  
DETECTION OF CUTANEOUS MALIGNANT MELANOMA USING  
TAPE STRIP-DERIVED RNA

0.15 – 2.00 PM

**Lunch Break and Poster View**

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## **V. Arnold Rikli Price Award**

2.00 – 2.15 PM

**Laudatio and Price Ceremony**

**J. Reichrath (Homburg, Germany)**

**A. Wolff (Jörg Wolff Foundation, Stuttgart,  
Germany)**

2.15 – 2.45 PM

**Arnold Rikli Price Lecture**

(N.N.)

(No abstract published)

## **VI. UV-Radiation and Health**

**Chair: R. Vieth (Toronto, Canada)**

**P.G. Lindqvist (Stockholm, Sweden)**

### ***Plenary Lecture***

2.30 – 3.15 PM

**M.F. Holick (Boston, USA)**

STANDARD OF CARE AND NOVEL APPROACHES FOR TREATING  
AND PREVENTING VITAMIN D DEFICIENCY: SUNLIGHT,  
SUPPLEMENTS AND A METABOLITE

3.15 - 3.30 PM

**H.C. Wulf (Copenhagen, Denmark)**

PHOTODYNAMIC THERAPY WITHOUT SIDE EFFECTS

3.30 – 4.00 PM	<b>A. Tanew (Vienna, Austria)</b> CURRENT STATUS OF UV-BASED PHOTOTHERAPIES IN THE MANAGEMENT OF SKIN DISEASES – THE TIMES THEY ARE A CHANGING
4.00 – 4.30 PM	<b>Round Table Discussion including an Interactive Audience Response/Voting System (chair: M.F. Holick, Boston, USA; H.C. Wulf, Copenhagen, Denmark; J. Reichrath, Homburg, Germany)</b> Solar Radiation in Prevention and Therapy – Present Concepts and Future Outlook
4.30 – 4.45 PM	<b>Concluding Remarks:</b> M.F. Holick (Boston, USA), J. Reichrath (Homburg, Germany) and Th. Vogt (Homburg, Germany)

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