



Joint International Symposium

Vitamin D in Prevention and Therapy
and
Biologic Effects of Light

Schlossberg-Hotel, Homburg, Germany

June 10-12, 2026

Organized by

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Supported by
Deutsche Forschungsgemeinschaft (DFG)

WELCOME ADDRESS

Dear Participants, Colleagues and Friends,

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

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

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

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

Jörg Reichrath

Michael F. Holick

Michael Friedrich

Thomas Vogt

Wissenschaft Gesundheit



CONGRESS INFORMATION

Organizing Committee

M. Friedrich, Krefeld, Germany; M.F. Holick, Boston, USA; J. Reichrath, Homburg/Saar, Germany; T. Vogt, Homburg/Saar, Germany

Local Organizing Committee

L. Arend, S. Aykanat, B. Burckhardt, A. Dethmers, T. Felix Fernandes, C. Gevaerd, A. Gravius, S. Haddad, C. Klitz, A. Löw, J. Miebach, J. Reichrath, R. Saternus, S. Strack, T. Vogt, L. Volkov, F. Yousuf, D. Yüksel (Homburg/Saar, Germany)

Scientific Board

M.F. Holick, Boston, USA; J. Reichrath, Homburg/Saar, Germany; T. Vogt, Homburg/Saar, Germany

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

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
Universität des Saarlandes
Kirrbergerstraße
D-66421 Homburg / Saar
Germany
Tel.: 0049-(0)6841-1623832
E-mail: nicole.brengel@uks.eu

Desks

From Wednesday, June 10, 7.30 AM the congress office with the following desks will be located during the symposium at the Schlossberg-Hotel Homburg:

Registration/Information/Travel/Secretariat/Projection

Conference Language

English

Presentation

Speakers are requested to turn their PowerPoint 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 at the Schlossberghotel Homburg.

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 should be transferred to the following account:

Name of Bank: Sparkasse Saarbrücken
Account holder: Universität des Saarlandes
Bank Code: 590 501 01
Account Number: 083600
International Bank Code: IBAN DE 72 5905 0101 0000 0836 00
BIC: SAKSDE55XXX
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

Wednesday, June 10

7.30 AM – 7.00 PM **Registration**

Featured Lectures

8.00 – 8.10 AM **Welcome address**
Univ.-Prof. Dr. med. dent. M. Hannig
Dean of the Faculty of Medicine at
Saarland University

8.10 – 8.15 AM **Opening remarks**
T. 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)**
 C. J. Reynolds (Rochester, USA)

Plenary Lecture

8.15 – 9.00 AM **M. F. Holick (Boston, USA)**
A D-LIGHTFUL FRIEND, RE-VISITED: SUNLIGHT AND VITAMIN D
FOR HUMAN HEALTH FROM INCEPTION UNTIL DEATH: A
HISTORICAL PERSPECTIVE AND NEW INSIGHTS
(Oral presentation (OP) No. 1; Abstract No. 11)

II. Molecular Biology of Vitamin D (I) - Vitamin D Signaling: what is new?

Chair: **A. T. Slominski (Birmingham, USA)**
C. J. Reynolds (Rochester, USA)

9.00 – 9.30 AM **C. Carlberg (Olsztyn, Poland)**
IN VIVO TRANSCRIPTIONAL AND EPIGENETIC RESPONSE OF
HUMAN IMMUNE CELLS TO VITAMIN D₃ SUPPLEMENTATION
(OP No. 2; Abstract No.3)

9.30 – 10.00 AM **N. Rochel (Illkirch, Cedex, France)**
DEVELOPMENT OF SELECTIVE VDR MODULATORS
(OP No. 3; Abstract No.36)

10.00 – 10.30 AM **M. Hewison (Birmingham, UK)**
VITAMIN D AND IMMUNE FUNCTION
(OP No. 4; Abstract No.9)

10.30 – 11.15 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 (Olsztyn, Poland)**
M. Hewison (Birmingham, UK)

11.15 – 11.30 AM **L. Kattner (Saarbrücken, Germany)**
SYNTHESIS OF ¹³C₅ LABELED VITAMIN D₃ FOR EXPLORING
VITAMIN D METABOLISM USING LIQUID CHROMATOGRAPHY
MASS SPECTROMETRY
(OP No. 5; Abstract No.14)

11.30 AM – 12.00 PM **M.A. Maestro (La Coruna, Spain)**
VITAMIN D ANALOGS: LESSONS LEARNED FROM CHEMICAL
RESEARCH AND STRUCTURAL INSIGHTS
(OP No. 6; Abstract No.19)

12.00 – 12.30 PM **D. Steinhilber (Frankfurt, Germany)**
VITAMIN D AND INFLAMMATION: AN UPDATE
(OP No. 7; Abstract No.41)

12.30 – 2.00 PM **Lunch Break and Poster View**

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

Chair: **R. Weller (Edinburgh, UK)**
S. Pilz (Graz, Austria)

Plenary Lecture

2.00 – 2.45 PM **A. T. Slominski (Birmingham, USA)**
GENOMIC EFFECTS OF NEW BIOLOGICALLY ACTIVE
VITAMIN D AND LUMISTEROL METABOLITES
(OP No. 8; Abstract No. 38)

2.45 – 3.15 PM **S. Zelzer (Graz, Austria)**
FUNCTIONAL ASSESSMENT OF VITAMIN D STATUS BY A NOVEL
METABOLIC APPROACH: THE LOW VITAMIN D PROFILE CONCEPT
(OP No. 9; Abstract No. 50)

3.15 – 3.45 PM **F. Ewendt (Halle, Germany)**
ABSORBED AND ACTIVE? VITAMIN D₂ PHOTOISOMERS –
WHAT'S KNOWN?
(OP No. 10; Abstract No. 4)

3.45 – 4.15 PM

C. J. Reynolds (Rochester, USA)

ALTERED 24,25-DIHYDROXYVITAMIN D IN A GENETIC KIDNEY
STONE DISEASE

(OP No. 11; Abstract No.34)

4.15 – 4.45 PM

Coffee Break and Poster View

v. Vitamin D Endocrine System in Health and Disease (II)

**Chair: T. Vogt (Homburg, Germany)
R. Vieth (Toronto, Canada)**

4:45 -5:15 PM

A. Nier (Halle, Germany)

IMPAIRED VITAMIN D METABOLISM IN LIVER DISEASE:
CURRENT PERSPECTIVES ON CONSEQUENCES FOR
VITAMIN D STATUS AND CLINICAL IMPLICATIONS.

(OP No. 12; Abstract No. 26)

5.15 – 5.45 PM

N. Ucar (Boston, USA)

VITAMIN D₃, 25-HYDROXYVITAMIN D₃, AND 1,25-
DIHYDROXYVITAMIN D₃ UPTAKE IN CULTURED HUMAN MATURE
ADIPOCYTES

(OP No. 13; Abstract No. 43)

5.45 – 6.15 PM

M. Herrmann (Graz, Austria)

THE ROLE OF VITAMIN D IN CARDIOVASCULAR
HEALTH

(OP No. 14; Abstract No.8)

6.15 – 6.45 PM

F. Götzinger (Basel, Switzerland)

PHOTOSENSITIVITY OF ANTI-HYPERTENSION MEDICATION
AND SKIN CANCER: HOW STRONG IS THE EVIDENCE?

(OP No. 15; Abstract No. 5)

6.45 – 7.00 PM

Round Table Discussion (chair: M. F. Holick, Boston, USA; C. Carlberg, Olsztyn, Poland; M. Hewison, Birmingham, UK; S. Pilz, Graz, Austria; C. J. Reynolds, Rochester, USA; A. T. Slominski, Birmingham, USA): Vitamin D signaling in health and disease: future research and perspectives

7.00 – 7.05 PM

Concluding Remarks: (M.F. Holick (Boston, USA); J. Reichrath (Homburg, Germany); and T. Vogt (Homburg, Germany)

Thursday, June 11

8.00 AM - 6.00 PM **Registration**

VI. Vitamin D Endocrine System in Health and Disease (II)

Chair: **W. März (Graz, Austria)**
 S. Wagenpfeil (Homburg, Germany)

Plenary Lecture

8.00 – 8.45 AM **M. F. Holick (Boston, USA)**
THE VITAMIN D CONUNDRUM: WHAT IS THE OPTIMAL VITAMIN
D STATUS FOR SKELETAL AND NON-SKELETAL HEALTH?
(OP No. 16, Abstract No. 12)

8.45 – 9.15 AM **H. Brenner (Heidelberg, Germany)**
LARGE-SCALE TRIALS ON THE IMPACT OF VITAMIN D
SUPPLEMENTATION: THE VITAL STUDY AND THE D-HEALTH
STUDY REVISITED
(OP No. 17; Abstract No. 2)

9.15 – 9.45 AM **J. Bittenbring (Homburg, Germany)**
VITAMIN D AND LYMPHOMA: AN UPDATE
(OP No. 18; Abstract No. 1)

9.45 – 10.00 AM **S. Haddad (Homburg, Germany)**
MELANOMA AND VITAMIN D STATUS: FROM RISK TO
PROGNOSIS
(OP No. 19; Abstract No. 7)

10.00 – 10.30 AM **Coffee Break and Poster View**

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

Chair: T. Vogt (Homburg, Germany)
H. Brenner (Heidelberg, Germany)

- 10:30 – 11:00 AM **W. März (Graz, Austria)**
VITAMIN D DEFICIENCY AND CARDIO-VASCULAR
HEALTH
(OP No. 20; Abstract No. 20)
- 11.00 – 11.15 AM **B. Schöttker (Heidelberg, Germany)**
MAIN RESULTS OF THE VICTORIA-RCT: PERSONALIZED VITAMIN
D₃ SUPPLEMENTATION DID INCREASE 25-HYDROXYVITAMIN D
LEVELS AS PLANNED BUT DID NOT REDUCE FATIGUE IN
COLORECTAL CANCER PATIENTS.
(OP No. 21; Abstract No. 37)
- 11.15 – 11.30 AM **C. Zemlin (Homburg, Germany)**
VITAMIN D DEFICIENCY IN BREAST CANCER PATIENTS
(OP No. 22; Abstract No. 51)
- 11.30 – 11.45 AM **J. Spitz (Schlangenbad, Germany)**
INDIVIDUAL VITAMIN D SUPPLEMENTATION TO OVERCOME
THE NATIONAL VITAMIN D DEFICIENCY IN GERMANY!?
(OP No. 23; Abstract No. 40)
- 11.45 AM – 12.00 PM **H. Piazena (Berlin, Germany)**
SUN SIMULATED LOW-DOSE UV-EXPOSURE TO RESTORE
VITAMIN D₃ LEVELS
(OP No. 24; Abstract No. 29)

Plenary Lecture

12.00 - 12.45 PM

S. Pilz (Graz, Austria)

ENDOCRINE SOCIETY GUIDELINE FOR PREVENTING AND
TREATING VITAMIN D DEFICIENCY: A CRITICAL APPRAISAL
(OP No. 25; Abstract No. 32)

12.45 – 1.00 PM

**Round Table Discussion (chair: M.F. Holick, Boston,
USA; W. März, Graz, Austria; S. Pilz, Graz, Austria;
A.T. Slominski, Birmingham, USA; H.C. Wulf,
Copenhagen, Denmark)**

WHAT IS THE OPTIMAL VITAMIN D STATUS FOR
GLOBAL HEALTH?

1.00 – 1.05 PM

**Concluding Remarks: M.F. Holick, Boston, USA; J.
Reichrath, Homburg, Germany and T. Vogt, Hom-
burg, Germany**

1.05 – 2.15 PM

Lunch Break and Poster View

International Symposium

Biologic Effects of Light

PRELIMINARY PROGRAMME

Thursday, June 11

I. Solar Radiation and Health (I)

Chair: F. A. Bahmer (Münster, Germany),
M. F. Holick (Boston, USA)

Plenary Lecture

2.15 – 3.00 PM

R. Weller (Edinburgh, UK)

GEOGRAPHY AND SKIN COLOUR MUST DETERMINE
SUNLIGHT ADVICE

(OP No. 26; Abstract No. 45)

3.00 – 3.15 PM

M. Matzel (Cologne, Germany)

27 DAYS VERSUS MORE THAN 6 YEARS – WHAT THE
BURDEN OF DISEASE REVEALS ABOUT THE TRUE
MEANING OF SUNLIGHT

(OP No. 27; Abstract No. 21)

- 3.15 – 3.45 PM **P. G. Lindqvist (Stockholm, Sweden)**
TO DISTINGUISH SOLARIUM USE WITH AND WITHOUT
RISK BEHAVIOUR ON MELANOMA INCIDENCE AND ALL
CAUSE MORTALITY – A REPORT FROM THE LARGE
MISS COHORT
(OP No. 28; Abstract No. 18)
- 3.45 – 4.00 PM **M. Meinke (Berlin, Germany)**
REDEFINE PHOTOPROTECTION: SUN PROTECTION
BEYOND SUNBURN
(OP No. 29; Abstract No. 23)
- 4.00 – 4.30 PM **H. C. Wulf (Copenhagen, Denmark)**
SUN EXPOSURE AND TREND IN SUN PROTECTION
(OP No. 30; Abstract No. 47)
- 4.30 – 4.45 PM **R. Vieth (Toronto, Canada)**
LONG-LATENCY DISEASE PREVENTION AND ADVICE TO THE
PUBLIC ABOUT THE ROLE OF SUNSHINE EXPOSURE AND/OR
VITAMIN D
(OP No. 31; Abstract No. 44)
- 4.45 – 5.15 PM **J. Levy (Denver, USA)**
SUN CARE 2040: A NEW FOCUS ON EFFECTIVE
SUNBURN PREVENTION
(OP No. 32; Abstract No. 17)
- 5.15 – 5.45 PM **Round Table Discussion (chair: J. Levy, Denver, USA.
Participants: M. F. Holick, Boston, USA; H. C. Wulf,
Copenhagen, Denmark; R. Weller, Edinburgh, UK):**
SUN CARE 2040: Consensus for Steps to Succeed and
How much Sun do We Need?

5.45 – 6.15 PM

Coffee Break and Poster View

II. Solar Radiation and Health (II)

Chair: **A. Tanew (Vienna, Austria),
M. Meinke (Berlin, Germany)**

6.15 – 6.30 PM

M. Hohl (Homburg, Germany)

HUMAN SKIN BIOPSIES AS AN EXPERIMENTAL MODEL
FOR THE ANALYSIS OF DRUG-INDUCED
PHOTOSENSITIVITY

(OP No. 33; Abstract No. 10)

6.30 -7.00 PM

P. A. Philipsen (Copenhagen, Denmark)

TAPE STRIP-DERIVED GENE EXPRESSION OF BASAL
CELL CARCINOMA IS ASSOCIATED WITH LINE FIELD
OPTICAL COHERENCE TOMOGRAPHY IMAGE FEATURES

(OP No. 34; Abstract No. 28)

7.00 – 7.30 PM

K. Kleszczynski (Tokyo, Japan)

MELATONIN LIMITS UVB-DRIVEN SENESCENCE BY
PRESERVING MITOCHONDRIAL INTEGRITY

(OP No. 35; Abstract No. 15)

7.30 – 7.45 PM

H. C. Wulf (Copenhagen, Denmark)

MEASUREMENT OF SKIN TYPE AND ITS RELATION TO
SKIN CANCER RISK

(OP No. 36; Abstract No. 48)

7.45 – 7.50 PM

Concluding Remarks: M.F. Holick (Boston, USA); J.
Reichrath (Homburg, Germany)

Friday, June 12

8.00 AM - 4.30 PM **Registration**

III. Solar Radiation and Health (III): Optical radiation in the management of psoriasis, atopic dermatitis, actinic keratoses, photodermatoses, and more...

Chair: **P. A. Philipsen (Copenhagen, Denmark)**
 K. Kleszczynski (Tokyo, Japan)

Plenary Lecture

8.00 – 8.30 AM **A. T. Slominski (Birmingham, USA)**
REGULATION OF THE CENTRAL NEUROENDOCRINE
AND IMMUNE SYSTEM BY ULTRAVIOLET RADIATION:
IMPLICATIONS FOR THE REGULATION OF BODY
HOMEOSTASIS
(OP No. 37; Abstract No. 39)

8.30 – 9.00 AM **R. Weller (Edinburgh, UK)**
PROTEOMIC MEDIATION ANALYSIS IDENTIFIES VITAMIN D
INDEPENDENT PATHWAYS DRIVING UV HEALTH BENEFITS
(OP No. 38; Abstract No. 46)

9.00 – 9.30 AM **A. Tanew (Vienna, Austria)**
HYPOTHETICAL VERSUS PROVEN EXTRACUTANEOUS EFFECTS OF
UVB PHOTOTHERAPY FOR SKIN DISEASES – WHAT CAN BE
GATHERED FROM THE SCIENTIFIC LITERATURE?
(OP No. 39; Abstract No. 42)

9.30 – 9.45 AM **N. J. Neumann (Düsseldorf, Germany)**
MANAGEMENT OF PHOTODERMATOSES
(OP No. 40; Abstract No. 25)

9.45 – 10.00 AM **H. C. Wulf (Copenhagen, Denmark)**
PHOTODYNAMIC THERAPY OF ACTINIC KERATOSES: AN
UPDATE
(OP No. 41; Abstract No. 49)

10.00 – 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 – 11.00 AM **C. M. Lerche (Copenhagen, Denmark)**
URINARY THYMIDINE DIMER EXCRETION AFTER ULTRAVIOLET
RADIATION FROM TANNING BEDS COMPARED TO NATURAL SUN
EXPOSURE
(OP No. 42; Abstract No. 16)

11.00 - 11.30 AM **M. Meinke (Berlin, Germany)**
WAVELENGTH, DOSE, SKIN TYPE AND SKIN MODEL
RELATED RADICAL FORMATION IN SKIN
(OP No. 43; Abstract No. 24)

11.30 – 11.45 AM **J. R. Granborg (Copenhagen, Denmark)**
MURINE URINARY THYMIDINE DIMER EXCRETION
AFTER UVA AND UVB EXPOSURE AND DURING LONG-
TERM VORICONAZOLE AND PREDNISOLONE
TREATMENT
(OP No. 44; Abstract No. 6)

11.45 AM -12.15 PM **P. A. Philipsen (Copenhagen, Denmark)**
NEW ACTION SPECTRA FOR VITAMIN D AND
THYMIDINE DIMERS FORMATION IN HUMAN SKIN –
DOES THIS ALTER THE RISK – BENEFIT BALANCE?
(OP No. 45; Abstract No. 27)

12.15 – 1.45 PM **Lunch Break and Poster View**

V. Arnold Rikli Price Award

1.45 – 2.00 PM **Laudatio and Price Ceremony**
A. Wolff (Jörg Wolff Foundation, Stuttgart,
Germany)

2.00 – 2.30 PM **Arnold Rikli Price Lecture**
R. Weller (Edinburgh, UK)

VI. Optical Radiation and Health

Chair: **A. T. Slominski (Birmingham, USA)**
R. Weller (Edinburgh, UK)

Plenary Lecture

2.30 – 3.15 PM **M. F. Holick (Boston, USA)**
HOW MUCH SUNLIGHT DO WE NEED? STANDARD OF CARE AND NOVEL
APPROACHES FOR TREATING AND PREVENTING VITAMIN D DEFICIENCY
(OP No. 46; Abstract No. 13)

3.15 – 3.30 PM

C. Pihl (Copenhagen, Denmark)

THE ICARUS PROJECT: THE IMPACT OF HEAT TOLERANCE AND SKIN CHARACTERISTICS ON VITAMIN D, URINARY PHOTOLESIONS, AND STEROID HORMONES FOLLOWING HEAT AND ULTRAVIOLET RADIATION EXPOSURE

(OP No. 47; Abstract No. 31)

3.30 – 4.00 PM

U. Riedmann (Graz, Austria)

SEASONALITY OF UV RADIATION: ANALYSIS, METHODS AND FINDINGS

(OP No. 48; Abstract No. 35)

4.00 – 4.15 PM

M. Matzel (Cologne, Germany)

HIGH SUN PROTECTION FACTOR; LOW EVIDENCE – WHY SUNSCREEN NEEDS A RETHINK

(OP No. 49; Abstract No. 22)

4.15 – 4.30 PM

H. Piazena (Berlin, Germany)

WATER-FILTERED INFRARED A (wIRA) IRRADIATION AS A POTENT RADIOSENSITIZER IN THE TREATMENT OF SUPERFICIAL CANCERS: PHYSICAL AND PHOTOBIOLOGICAL BASICS

(OP No. 50; Abstract No. 30)

Plenary Lecture

4.30 -5.15 PM:

S. Pilz (Graz, Austria)

SUNLIGHT/UV EXPOSURE AND MORTALITY: WHAT IS THE EVIDENCE?

(OP No. 51; Abstract No. 33)

5.15 – 5.45 PM

Round Table Discussion (chair: M.F. Holick, Boston, USA; S. Pilz, Graz, Austria; J. Reichrath, Homburg, Germany; R. Weller, Edinburgh, UK)

Optical Radiation and Health – Present Concepts and Future Outlook

5.45 – 6.00 PM

Concluding Remarks: M.F. Holick (Boston, USA), J. Reichrath (Homburg, Germany) and T. Vogt (Homburg, Germany)

