5th International Symposium

Vitamin D and Analogs in Cancer Prevention and Therapy

May 02 – 03, 2014
Hotel Krefelder Hof
Krefeld, Germany

Certified by the Ärztekammer Nordrhein and by the AIO in the DKG e.V.
Recommended by the FBA Frauenärztliche BundesAkademie
Welcome

Dear Colleagues,

This time it’s Krefeld, again! On behalf of the scientific committee it is a pleasure to invite you to the 5th International Symposium Vitamin D and Analogs in Cancer Prevention and Therapy.

During the past years our knowledge about molecular biology, metabolism and biologic effects of vitamin D and analogs has exploded. These findings have lead to new concepts for the application of vitamin D and analogs to cancer, and it is obvious that enormous progress is being made on this area. This meeting is specifically designed to offer scientists and clinicians insights into the latest developments in this intriguing research area. The program will include keynote lectures as well as free communications. You are cordially invited to join this meeting.

We hope to see you soon in Krefeld!

Jörg Reichrath
Thomas Vogt

Michael Friedrich
### Featured lectures  
**Friday, May 02, 2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chairs/Authors</th>
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<tr>
<td>8.00 – 8.15 am</td>
<td>Opening remarks</td>
<td>Gregor Kathstede, Michael Friedrich (Krefeld, D), Jörg Reichrath (Homburg/Saar, D)</td>
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<tr>
<td>8.15 – 9.00 am</td>
<td>An Update on the Healthful Benefits of Vitamin D</td>
<td>Michael F. Holick (Boston, USA)</td>
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<td>9.00 – 9.30 am</td>
<td>The impact of a harmonized genomic view on vitamin D receptor locations on understanding the actions of vitamin D</td>
<td>Carsten Carlberg, (Kuopio, FIN)</td>
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<tr>
<td>9.30 – 10.00 am</td>
<td>The Regulation of Gene Expression by 1,25-Dihydroxyvitamin D3 in Target Cells: New Principles and Increased Complexities</td>
<td>J. Wesley Pike (Madison, USA)</td>
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<tr>
<td>10.00 – 10.15 am</td>
<td>Novel insights into VDR structure-function</td>
<td>Natacha Rochel, (Illkirch, F)</td>
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<tr>
<td>10.15 – 10.45 am</td>
<td>Coffee break, technical exhibition and poster viewing</td>
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<tr>
<td>10.45 – 11.15 am</td>
<td>The delicate balance of CYP27B1 and CYP24A1 in ensuring optimal 1,25-(OH)2D3 concentrations for human health</td>
<td>Glenville Jones (Kingston, CAN)</td>
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<tr>
<td>11.15 – 11.30 am</td>
<td>Development of efficient chemical syntheses of Vitamin D degradation products</td>
<td>Lars Kattner (Saarbrücken, D)</td>
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<tr>
<td>11.30 – 11.45 am</td>
<td>Synthesis, docking studies and biological evaluation of 19-norcalcitriol analogs with distorted intercyclic diene system</td>
<td>Katarzyna Sokolowska (Warsaw, PL)</td>
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<tr>
<td>11.45 – 00.05 pm</td>
<td>Pre-clinical Studies of MART-10, a Less Calcemic Vitamin D Analog, for Cancer Prevention and Treatment</td>
<td>Tai C. Chen (Boston, USA)</td>
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<td>0.05 – 1.05 pm</td>
<td>Lunch break, technical exhibition and poster viewing</td>
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<tr>
<td>1.05 – 1.35 pm</td>
<td>Vitamin D and Cancer: Evidence from Epidemiological Studies</td>
<td>William B. Grant (San Francisco, USA)</td>
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<td>1.35 – 2.05 pm</td>
<td>Vitamin D &amp; Cancer: Evidence from the ESTHER and other epidemiological studies</td>
<td>José Manuel Ordóñez-Mena (Heidelberg, D)</td>
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Featured lectures
FRIDAY, MAY 02, 2014

2.05 – 2.25 pm
Vitamin D Status and Cancer Incidence of Hemodialysis (HD) Patients in D [Abstract No. 11]
Rolfdieter Krause (Berlin, D)

2.25 – 2.55 pm
UV-radiation and melanoma. Current concepts
[Abstract No. 12]
Johan Emilian Moan (Oslo, N)

2.55 – 3.25 pm
Coffee break, technical exhibition and poster viewing

Vitamin D and UV-Radiation in Cancer Prevention (II)
Chair: William B. Grant (San Francisco, USA)
Johan Emilian Moan (Oslo, N)

3.25 – 3.55 pm
Beneficial effects of UV radiation on diseases other than cancer: an update [Abstract No.13]
Asta Juzeniene (Oslo, N)

3.55 – 4.25 pm
Vitamin D in preventive medicine [Abstract No. 14]
Winfried März (Graz, A)

4.25 – 4.55 pm
Vitamin D and Cardiovascular Disease [Abstract No.15]
Armin Zittermann (Bad Oeynhausen, D)

4.55 – 5.25 pm
Break, technical exhibition and poster viewing

VI Vitamin D Compounds in Gynecological Malignancies and in Lymphoma
Chair: Michael Friedrich (Krefeld, D)
Frank R. De Grujil (Leiden, NL)

5.25 – 5.55 pm
Vitamin D signaling in Triple Negative Breast Cancer [Abstract No. 16]
JoEllen Welsh (Rensselaer, USA)

Featured lectures
FRIDAY, MAY 02, 2014

5.55 – 6.10 pm
Vitamin D Inhibits the Proliferation of Ovarian Cancer Cell Lines and Suppresses the Expression of Cyclooxygenase-2 [Abstract No. 17]
Marc Thill (Frankfurt, D)

6.10 – 6.40 pm
Vitamin D deficiency impairs Rituximab-mediated cellular cytotoxicity [Abstract No. 18]
Jörg Thomas Bittenbring (Homburg/Saar, D)

6.40 – 6.55 pm
Vitamin D and risk of non-Hodgkin lymphoma including cutaneous T-cell lymphoma [Abstract No. 19]
Chalid Assaf (Krefeld, D)

Get-together
Friday, May 02, 2014 at 7.30 pm at
Krefelder Rennbahn
An der Rennbahn 4 | 47800 Krefeld, Germany
Thursday, May 3, 2014

**Featured lectures**

### VII Vitamin D Compounds in Skin Cancer

*Chair: J.Wesley Pike (Madison, USA)*  
*Thomas Vogt (Homburg/Saar, D)*

**8.00 – 8.30 am**

Role of vitamin D in human skin cancers [Abstract No. 20]  
*Jörg Reichrath (Homburg/Saar, D)*

**8.30 – 9.00 am**

Vitamin D and melanoma [Abstract No. 21]  
*Julia A. Newton-Bishop (Leeds, UK)*

**9.00 – 9.30 am**

Vitamin D and cancer prevention: animal models and observational data in renal transplant patients [Abstract No. 22]  
*Frank R. De Gruijl (Leiden, NL)*

**9.30 – 10.00 am**

Calcitriol – a potent Hedgehog signaling inhibitor [Abstract No. 23]  
*Anja Uhmann (Göttingen, D)*

**10.00 – 10.30 am**

Coffee break, technical exhibition and poster viewing

### VIII Vitamin D Compounds: Implications for Cancer

*Chair: Glenville Jones (Kingston, CAN)*  
*Winfried März (Graz, A)*

**10.30 – 10.45 am**

Calcitriol negatively regulates Smoothend activity by binding its CRD [Abstract No. 24]  
*Benedikt Albert (Göttingen, D)*

**10.45 – 11.00 am**

Antiproliferative and proapoptotic effects of vitamin D analogues in keratinocytes indicate a novel therapeutical strategy against non-melanoma skin cancer [Abstract No. 25]  
*Christoph C. Geilen (Hamburg, D)*

**11.00 – 11.30 am**

Preclinical and Epidemiologic Observations – Cancer and Vitamin D: Are There Clinical Applications? [Abstract No. 26]  
*Donald L. Trump (Buffalo, USA)*

**11.30 – 0.00 pm**

Latitude as a Confounder for Prostate Cancer U-Shaped Risk Curves in Relation to Serum 25-Hydroxyvitamin D: a Meta-Analysis of Case-Control and Cohort Studies [Abstract No. 27]  
*Reinhold Vieth (Toronto, CAN)*

**0.00 – 0.30 pm**

A Perspective on the Raging D-Bate about the Health Benefits of Vitamin D [Abstract No. 28]  
*Michael F. Holick (Boston, USA)*

**0.30 – 1.00 pm**

Round Table Discussion

Vitamin D and analogs: a new era in cancer prevention and treatment?  
*Chair: Donald L. Trump (Buffalo, USA)*

**1.00 – 1.10 pm**

Concluding remarks  
*Jörg Reichrath (Homburg/Saar, D)*  
*Michael Friedrich (Krefeld, D)*

**1.10 – 2.30 pm**

Lunch break, technical exhibition and poster viewing

Posters and technical exhibition will be displayed throughout the meeting
**Featured lectures**  
**Saturday, May 3, 2014**

**Satellite symposium**  
Chair: Michael Friedrich (Krefeld, D)  
Jörg Reichrath (Homburg/Saar, D)

2.30 - 3.00 pm  
Die erweiterte Bedeutung des Sonnenhormons Vitamin D für unsere Gesundheit – kaum entdeckt und schon verloren!  
[Abstract No. 29]  
Jörg Spitz (Schlangenbad, D)

3.00 - 3.30 pm  
Vitamin D und Osteoporose: was ist für den klinischen Alltag wichtig? [Abstract No. 42]  
Clayton Kraft (Krefeld, D)

3.30 - 4.00 pm  
Vitamin D in der onkologischen Intervention: wichtige Aspekte für die Praxis. [Abstract No. 30]  
Uwe Gröber (Essen, D)

4.00 - 4.30 pm  
UV, Vitamin D und Hautkrebs: wie viel Sonne braucht der Mensch? [Abstract No. 31]  
Jörg Reichrath (Homburg/Saar, D)

„**Auf Wiedersehen and Good Bye**“

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**Registration form**

Please complete this form and fax back to +49 (0) 211-770589-29, or scan and e-mail your response to info@medical-communications.de or register online at www.medical-communications.de

For organizational reasons we kindly ask for registration in advance. However, on-site registration is possible.

I will join the 5th International Symposium  
“**Vitamin D and Analogues in Cancer Prevention and Therapy**”  
May 02 - 03, 2014 in Krefeld, Germany

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**Registration Fees**

**Conference ticket**
- 2 days incl. Satellitensymposium, per person: €300,—*

**Reduced price**
- for students, per person: €100,—*

**Conference ticket**
- Saturday afternoon (Satellitensymposium only): €50,—*

All tickets include lunch, coffee breaks and softdrinks during the conference.

**Evening reception**
- May 02, 2014: €30,—*

The ticket includes food and beverage.

**Total amount**
- €………………
  *19% VAT inclusively

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  Master Card   VISA

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Confirmation of registration is subject to payment of the registration fee to be due at the moment of registration. Registration deadline is April 28, 2014. For payments/registrations coming in after this point in time, confirmation will be handed out on site in our conference office. To become valid, reservations have to be accompanied by the debit advice or credit card for the total amount due. In case of cancellation of participation until March 18, 2014, 50% of the registration will be reimbursed. No further reimbursement will be made after this point in time unless you name us a person to replace yourself, who will take over your complete reservation. In those cases documents will be charged with a handling fee of € 20,–.

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PO No 1, Abstract No 32

Evaluation of 25OHD3 in serum of patients with vulvar cancer and benign vulvar lesions

D. Salehin, B. Hemmerlein (Krefeld, D); M. Thill (Frankfurt, D); C. H. Wirsing von König, M. Friedrich (Krefeld, D)

PO No 2, Abstract No 33

Prospective investigation of 25(OH)D3 serum concentration following UVB narrow band phototherapy in patients with psoriasis and atopic dermatitis

A. Weinhold, R. Obeid, Th. Vogt, J. Reichrath (Homburg/Saar, D)

PO No 3, Abstract No 34

Single nucleotide polymorphisms (SNPs) in genes involved in the vitamin D endocrine system are associated with risk for cutaneous basal cell carcinomas (BCCs) and squamous cell carcinomas (SCCs)

M. Koreng, S. Reichrath, A. Weinhold, S. Gräber, Th. Vogt, J. Reichrath (Homburg/Saar, D)

PO No 4, Abstract No 35

Imatinib exerts inhibitory effects on vitamin D3 metabolism

L. M. Mehlig, C. Garve, J. T. Tauer, M. Suttrop, A. Bauer (Dresden, D)

PO No 5, Abstract No 36

Genetic variants (SNPs) of genes involved in skin pigmentation are associated with 25(OH)D serum concentration

R. Saternus, S. Gräber (Homburg/Saar, D); S. Pilz (Graz, A); M. Kleber (Freiburg, D); W. März (Mannheim, D); Th. Vogt, J. Reichrath (Homburg/Saar, D)

PO No 6, Abstract No 37

Combination of Vitamin D and COX-2 Inhibitors in Breast Cancer Cell Lines

M. Thill (Frankfurt, D); K. Reichert, A. Woeste (Lübeck, D); M. Friedrich (Krefeld, D); D. Fischer, F. Köster (Lübeck, D)

PO No 7, Abstract No 38

Effect of Cotinine Blood Serum Level on Vitamin-D Blood Serum Level Among Women Smokers in the United States

R Manavi Kiano, B. P. Alston-Mills (Raleigh, NC, USA)

PO No 8, Abstract No 39

Expression of Vitamin D receptor in squamous epithelial vulvar cancer and vulvar intraepithelial neoplasia

M. Friedrich (Krefeld, D); M. Thill (Frankfurt, D); B. Hemmerlein, D. Salehin (Krefeld, D)

PO No 9, Abstract No 40

Evaluation of 25OHD3 in serum of patients with vulvar cancer and benign vulvar lesions

D. Salehin, B. Hemmerlein (Krefeld, D); M. Thill (Frankfurt, D); C. H. Wirsing von König, M. Friedrich (Krefeld, D)

PO No 10, Abstract No 41

Differential expression of nuclear vitamin D receptor (VDR) cofactors contributes to the resistance of melanoma cell lines against the antiproliferative effects of 1,25-dihydroxyvitamin D3 (1,25(OH)2D3)

V. Planz, Th. Vogt, J. Reichrath (Homburg/Saar, D)
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M. Friedrich, J. Reichrath and Th. Vogt

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M. Friedrich (Krefeld, D)
M. F. Holick (Boston, USA)
J. Reichrath (Homburg/Saar, D)
Th. Vogt (Homburg/Saar, D)

Date and Place
Mercure Hotel Krefelder Hof
Uerdinger Straße 245 | 47800 Krefeld | Germany
Friday, May 02, 2014 and Saturday, May 03, 2014
Registration at 7.15 am

Hotel
Rooms are available at special rates at Mercure Hotel Krefelder Hof. Please make your reservation indicating the code “Vitamin D 2014”. Please note that we cannot guarantee the availability of rooms.
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E-Mail: h5404@accor.com

Conference language
English

Satellitensymposium language
German

Conference office and opening hours
Daily opening times: 1 hour before the conference begins until 30 minutes after end of the meeting.

Conference phone
+49 (0) 172 - 2128605

Organizer / Information
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Certification
The conference will be certified by the Ärztekammer Nordrhein and by the AIO in the DKG e.V.
For German participants please bring your barcode to record the CME points.

Evening reception May 02, 2014
Ticket, per person € 30,–
The Get-together takes place
Friday, May 02, 2014 at 7.30 pm
“Krefelder Rennbahn” – Derby restaurant
An der Rennbahn 4 | 47800 Krefeld, Germany
The ticket includes food and beverage.
Dresscode: business casual

Registration Fees
Conference ticket (2 days) incl. Satellite symposium, per person € 300,–*
Reduced price for students (2 days), per person € 100,–*
Conference ticket – Saturday afternoon (Satellite symposium only) € 50,–*
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