

Session III:**RENAL PHYSIOLOGY AND DISEASE**

Session Chair: Michael Kimlin, Co-Chair: Renate de Jongh

13:30 - 13:35	Chair's Introduction	
13:35 - 14:00 14:00 - 14:05	R. Erben <i>Discussion</i>	VITAMIN D, FGF23 AND CALCIUM CHANNELS
14:05 - 14:30 14:30 - 14:35	M. Vervloet <i>Discussion</i>	FIBROBLAST GROWTH FACTOR 23 (FGF23) AND VITAMIN D IN CHRONIC RENAL FAILURE
14:35 - 14:45 14:45 - 14:50	K. Schlingmann <i>Discussion</i>	NEPHROLITHIASIS CAUSED BY MUTATIONS IN CYP24A1
14:50 - 15:00 15:00 - 15:05	S. Strugnell <i>Discussion</i>	MODIFIED-RELEASE CALCIFEDIOL (MRC) CAPSULES INCREASE 25D AND 1,25D AND LOWER iPTH INDEPENDENT OF eGFR IN CHRONIC KIDNEY DISEASE PATIENTS WITHOUT IMPACTING SERUM CALCIUM AND PHOSPHORUS
15:05 - 15:30	COFFEE BREAK	

Session IV:**VITAMIN D AND CANCER**

Session Chair: JoEllen Welsh, Co-Chair: George Studzinski

15:30 - 15:35	Chair's Introduction	
15:35 - 16:00 16:00 - 16:05	M. van Driel <i>Discussion</i>	VITAMIN D IN BONE METASTATIC CANCER MODELS: POSSIBLE THERAPEUTIC AGENT
16:05 - 16:15 16:15 - 16:20	E. Kallay <i>Discussion</i>	IMPACT OF CYP24A1 OVEREXPRESSION ON GROWTH OF COLORECTAL TUMOURS
16:20 - 16:30 16:30 - 16:35	M. Tenniswood <i>Discussion</i>	MODULATION OF ENERGY METABOLISM BY VITAMIN D IN PROSTATE CANCER
16:35 - 16:45 16:45 - 16:50	G. Lugli <i>Discussion</i>	SUPPRESSION OF microRNAs MAY BE A DRIVER OF PROSTATE CARCINOGENESIS WHICH IS REVERSIBLE BY 1,25-DIHYDROXYVITAMIN D

Session V:**MEASUREMENT OF VITAMIN D METABOLITES**

Session Chair: Helen Henry, Co-Chair: Miguel Maestro

16:50 - 16:55	Chair's Introduction	
16:55 - 17:20 17:20 - 17:25	G. Jones <i>Discussion</i>	VITAMIN D METABOLIC PROFILING USING LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY (LC-MS/MS)
17:25 - 17:50 17:50 - 17:55	C. Sempos <i>Discussion</i>	STANDARDIZING VITAMIN D ASSAYS: IMPORTANCE TO RESEARCH
17:55 - 18:05 18:05 - 18:10	A. Valcour <i>Discussion</i>	A NOVEL, FULLY-AUTOMATED CHEMILUMINESCENT ASSAY FOR THE DETECTION OF 1,25-DIHYDROXYVITAMIN D IN BIOLOGICAL SAMPLES
18:10 - 18:20 18:20 - 18:25	A. Heijboer <i>Discussion</i>	DETERMINATION OF REFERENCE VALUES FOR SERUM TOTAL 1,25-DIHYDROXYVITAMIN D3 USING A 2D ID-UPLC-MS/MS METHOD

Scientific Program – Thursday
18th WORKSHOP ON VITAMIN D

Session VI and VII **Sponsored by World Health Organization**

8:30 - 8:45 Introduction WHO Sessions
Juan Pablo Peña-Rosas

Session VI: PREVALENCE, DIAGNOSIS AND PREVENTION OF RICKETS
Session Chair: Howard Morris, Co-Chair: Inez Schoenmakers

8:45 - 8:50 Chair's Introduction

8:50 - 9:15 J. Pettifor SCREENING OF COMMUNITIES FOR VITAMIN D DEFICIENCY
9:15 - 9:20 *Discussion* RICKETS

9:20 - 9:45 N. Shaw PREVENTION AND TREATMENT OF RICKETS AND
9:45 - 9:50 *Discussion* RECOMMENDATIONS ON VITAMIN D

9:50 - 10:20 COFFEE BREAK

Session VII: VITAMIN D DEFICIENCY DURING PREGNANCY
Session Chair: Bruce Hollis, Co-Chair: John McGrath

10:20 - 10:25 Chair's Introduction

10:25 - 10:50 C. Palacios VITAMIN D SUPPLEMENTATION IN PREGNANCY
10:50 - 10:55 *Discussion*

10:55 - 11:20 M. Tabesh MATERNAL VITAMIN D STATUS AND RISK OF PRE-ECLAMPSIA: A
11:20 - 11:25 *Discussion* SYSTEMIC REVIEW AND META-ANALYSIS

11:25 - 11:50 C. Cooper MATERNAL VITAMIN D STATUS AND PRE- AND POSTNATAL BONE
11:50 - 11:55 *Discussion* DEVELOPMENT IN THE CHILD

11:55 - 12:55 WHO Round Table Discussion
Session Chairs: Roger Bouillon and Inez Schoenmakers

12:55 - 14:30 **LUNCH AND POSTER SESSION II VIEWING**

Session VIII: VITAMIN D NUTRITION AND SUPPLEMENTATION
Session Chair: Christel Lamberg-Allardt, Co-Chair: Susan Whiting

14:30 - 14:35 Chair's Introduction

14:35 - 15:00 M. Kiely MODELLING OF VITAMIN D INTAKE AND EFFECTS OF FOOD
15:00 - 15:05 *Discussion* FORTIFICATION

15:05 - 15:15 S. Whiting MATERNAL VITAMIN D SUPPLEMENTATION AT 50 mcg PER DAY
15:15 - 15:20 *Discussion* PROTECTS AGAINST LOW SERUM 25-HYDROXYVITAMIN D
[25OHD] IN INFANTS AT 8 WEEKS OF AGE: A RANDOMIZED
CONTROLLED TRIAL OF THREE DOSES OF VITAMIN D BEGINNING
IN GESTATION AND CONTINUED IN LACTATION

15:20 - 15:30 C. Carlberg TRANSCRIPTOMIC AND EPIGENOMIC RESPONSE OF WHITE
15:30 - 15:35 *Discussion* BLOOD CELLS OF VITAMIN D3-SUPPLEMENTED HUMAN
SUBJECTS *IN VIVO*

15:35 - 16:00 COFFEE BREAK

Session IX:

VITAMIN D AND IMMUNOLOGY

Session Chair: Margherita Cantorna, Co-Chair: Martin Hewison

16:00 - 16:05	Chair's Introduction	
16:05 - 16:30 16:30 - 16:35	C. Mathieu <i>Discussion</i>	VITAMIN D AND TYPE 1 DIABETES
16:35 - 17:00 17:00 - 17:05	A. Martineau <i>Discussion</i>	VITAMIN D AND INFECTIOUS DISEASES
17:05 - 17:15 17:15 - 17:20	G.B. Ferreira <i>Discussion</i>	1 α ,25-DIHYDROXYVITAMIN D ₃ INDUCES TOLERANCE IN HUMAN DENDRITIC CELLS BY ACTIVATION OF INTRACELLULAR METABOLIC PATHWAYS
17:20 - 17:30 17:30 - 17:35	W. Dankers <i>Discussion</i>	1,25(OH) ₂ D ₃ SUPPRESSES THE PRO-INFLAMMATORY TH17-RASF FEEDBACK LOOP VIA IL-4-DEPENDENT AND -INDEPENDENT MECHANISMS
17:35 - 17:45 17:45 - 17:50	D. Bikle <i>Discussion</i>	VITAMIN D AND CALCIUM REGULATION OF WOUND HEALING
17:50 - 18:00 18:00 - 18:05	L. Song <i>Discussion</i>	THE VITAMIN D RECEPTOR REGULATES TISSUE RESIDENT MACROPHAGE PROLIFERATION DURING CUTANEOUS WOUND HEALING
18:05 - 18:30	RECOGNITION OF WORKSHOP AWARD RECIPIENTS	
19:00 - 23:00	NETWORKING EVENT "PRINSENHOF" INCLUDING BUFFET DINNER	

Scientific Program – Friday
18th WORKSHOP ON VITAMIN D

Session X:

PLENARY LECTURE

Session Co-chairs: Roger Bouillon and Joerg Reichrath

9:00 - 9:05	Chair's Introduction	
9:05 - 9:50	Keynote Speaker Bart Staels	NUCLEAR RECEPTORS IN HEALTH AND DISEASE
9:50 - 10:00	<i>Discussion</i>	

Session XI:

VITAMIN D AND ITS RECEPTOR: MOLECULAR MECHANISMS

Session Chair: Hans van Leeuwen, Co-Chair: Anthony Norman

10:00 - 10:05	Chair's Introduction	
10:05 - 10:30	M. Meyer	DYNAMIC VDR CONTROL OF GENE EXPRESSION DURING DIFFERENTIATION AND SELECTIVE REGULATION OF <i>MMP13</i> TRANSCRIPTION
10:30 - 10:35	<i>Discussion</i>	
10:35 - 10:45	D. Matthews	ADIPOSE-SPECIFIC VDR DELETION ALTERS BODY FAT AND ENHANCES MAMMARY EPITHELIAL DENSITY
10:45 - 10:50	<i>Discussion</i>	
10:50 - 11:00	D. Glenn	AMPLIFICATION OF LIPOTOXIC CARDIOMYOPATHY IN VDR KNOCKOUT MOUSE
11:00 - 11:05	<i>Discussion</i>	
11:05 - 11:30	COFFEE BREAK	

Session XII:

VITAMIN D, MUSCLE AND CARDIOVASCULAR SYSTEM

Session Chair: Peter Ebeling, Co-Chair: Natasja van Schoor

11:30 - 11:35 PM	Chair's Introduction	
11:35 - 12:00	R. Brandes	VITAMIN D PROMOTES VASCULAR REGENERATION
12:00 - 12:05	<i>Discussion</i>	
12:05 - 12:30	H. Bischoff-Ferrari	EFFECT OF HIGH-DOSE VITAMIN D ON FALL PREVENTION
12:30 - 12:35	<i>Discussion</i>	
12:35 - 12:45	D. Agrawal	VITAMIN D STATUS DETERMINES INTIMAL HYPERPLASIA AND RESTENOSIS FOLLOWING CORONARY INTERVENTION
12:45 - 12:50	<i>Discussion</i>	
12:50 - 13:00	C. Bernal-Mizrachi	ABSENCE OF MACROPHAGE VITAMIN D RECEPTOR ACCELERATES MONOCYTE CHOLESTEROL TRANSPORT INTO THE ATHEROSCLEROTIC PLAQUE IN MICE
13:00 - 13:05	<i>Discussion</i>	
13:05 - 14:30	LUNCH AND POSTER SESSION III VIEWING	

Session XIII:

VITAMIN D AND BONE

Session Chair: Marie Demay, Co-Chair: Geert Carmeliet

14:30 - 14:35	Chair's Introduction	
14:35 - 15:00	P. Anderson	LOCAL SYNTHESIS OF $1\alpha,25(\text{OH})_2\text{D}_3$ <i>IN VIVO</i> IS REQUIRED TO PROMOTE BONE FORMATION AND IS SUBSTRATE DEPENDENT
15:00 - 15:05	<i>Discussion</i>	
15:05 - 15:15	G. Laverny	UNLIGANDED VITAMIN D RECEPTOR IMPAIRS MORE MINERAL AND BONE HOMEOSTASIS THAN FULL RECEPTOR DEFICIENCY
15:15 - 15:20	<i>Discussion</i>	

15:20 - 15:30 15:30 - 15:35	H. St. John <i>Discussion</i>	GENOME-WIDE ANALYSIS OF THE COOPERATIVE ACTIONS OF 1,25(OH) ₂ D ₃ AND PTH IN OSTEOCYTE DIFFERENTIATION
15:35 - 15:45 15:45 - 15:50	J. Ryan <i>Discussion</i>	VITAMIN D-MEDIATED BONE RESORPTION IS REGULATED BY MATURE OSTEOBLASTS, BUT NOT OSTEOCYTES, DURING GROWTH
15:50 - 16:00 16:00 - 16:05	H. Morris <i>Discussion</i>	1,25-DIHYDROXYVITAMIN D ANALOGUES WITH AN AROMATIC RING SUBSTITUTED IN THE 20,22-POSITION ELICIT DIFFERENTIAL ACTIVITIES IN MC3T3 AND MLO-A5 OSTEOBLAST-LIKE CELL LINES

16:05 - 16:30 COFFEE BREAK

Session XIV: SELECTED ORAL PRESENTATIONS AND LATE BREAKING NEWS

16:30 - 16:38 16:38 - 16:40	E. de Koning <i>Discussion</i>	SERUM 25-HYDROXYVITAMIN D, PARATHYROID HORMONE AND THE RISK OF OVERALL AND DISEASE-SPECIFIC MORTALITY: RESULTS FROM THE LONGITUDINAL AGING STUDY AMSTERDAM
16:40 - 16:48 16:48 - 16:50	D. Eyles <i>Discussion</i>	1,25 α (OH) ₂ D ₃ PREVENTS AUTISM-RELATED PHENOTYPES IN A MATERNAL IMMUNE ACTIVATION ANIMAL MODEL
16:50 - 16:58 16:58 - 17:00	TBA <i>Discussion</i>	
17:00 - 17:08 17:08 - 17:10	TBA <i>Discussion</i>	

CLOSING REMARKS