

2024 VITAMIN D WORKSHOP

CONCISE PROGRAM GUIDE



2024 CONFERENCE ORGANIZERS

Kevin Cashman, PhD – Scientific Co-Chair

Mairead Kiely, PhD – Scientific Co-Chair

James Fleet, PhD – Vitamin D Workshop (President)

JoEllen Welsh, PhD – Vitamin D Workshop (Chief Financial
Officer)

www.vitamindworkshop.org

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TIMETABLE

TUESDAY JUNE 25, 2024

6:00 – 8:00 pm Welcome Reception & Pre-registration, The Mirror Room & Riverside Terrace, River Lee Hotel

WEDNESDAY JUNE 26, 2024

8:00 am – 5:00 pm	Registration [coffee available from 08:15].....	Boole Basement
8:45 – 9:00 am	Welcome and Opening remarks.....	Boole No. 2
9:00 am – 12:20 pm	General Session..... Session 1: Vitamin D, Type 2 Diabetes & Cardiovascular Disease Coffee Break Session 2: Vitamin D in Cancer Prevention, Treatment, Survival	Boole No. 2
12:20 pm – 2:15 pm	Lunch General Poster Session I.....	Mini Rest Boole No. 5 & 6
2:15 pm – 5:25 pm	General Session..... Session 3: Vitamin D and Respiratory Illness including COVID Coffee Break Session 4: Endocrine Society Clinical Guideline Update	Boole No. 2

THURSDAY JUNE 27, 2024

9:00 am – 12:05 pm	General Session..... Session 5: Vitamin D and Reproductive Health/Perinatal Outcomes Coffee Break Session 6: Vitamin D in Brain Development and Decline	Boole No. 2
12:05 pm – 2:30 pm	Lunch..... General Poster Session II.....	Mini Rest Boole No. 5 & 6
3:00 pm – 5:00 pm	General Session..... Session 7: Vitamin D in Musculoskeletal Development and Outcomes Coffee Break Session 8: Vitamin D Metabolism and Molecular Action	Boole No. 2
5:05 pm – 5:30 pm	Awards Ceremony.....	Boole No. 2
7:00 pm – 10:00 pm	Reception and Conference Dinner.....	Aula Maxima

FRIDAY JUNE 28, 2024

9:30 am – 1:00 pm	General Session..... Session 9: Vitamin D Supplementation & Dosing Coffee Break Session 10: Vitamin D Fortification of Food	Boole No. 2
1:00 pm – 2:00 pm	Networking Lunch.....	Coffee Stations

GENERAL INFORMATION

Finding your way around: University College Cork (UCC) is centrally located in Cork City. Please access an orientation map at <https://www.ucc.ie/en/discover/visit/maps/>. The main campus of the University is a 10 min walk (5 min taxi ride) from the River Lee and Hayfield Hotels and student accommodation and within 15 minutes of the City Centre and surrounding hotels and accommodation. The general and poster sessions of the VDW will take place in the Boole basement complex, which is part of the UCC's Boole library, named after George Boole, the founder of Boolean logic, and UCC's first Professor of Mathematics. The entrance to the Boole basement is directly opposite the side of the library building (see UCC Campus map page 5). There will be a reception desk positioned outside of Boole Lecture Theatre No. 2, immediately on your right as you come down the steps into the basement. All the talks will be in Boole Lecture Theatre No. 2, posters will be in Boole Rooms 5 and 6 – please refer to Boole orientation map page 6.

Welcome Reception and Pre-registration: Please join us for a Welcome Reception on the evening of Tuesday June 25th from 6 to 8 pm in The Mirror Room & Riverside Terrace at the River Lee Hotel for a chance to catch up with your Vitamin D Workshop friends. Finger food and drinks will be served and there will be a cash bar. All delegates and their registered accompanying guests are cordially invited. Delegates can also register at this welcome reception, should they wish.

Poster Sessions: There will be three poster viewing opportunities during the Workshop:

- *Plenary Posters* will be highlighted close to the reception area and remain up for the duration of the Workshop. Plenary Posters may be put up on Wednesday (June 26) between 8:00 – 10:00 AM and removed on Friday between 1:00 – 2:00 PM.
- *General Poster sessions* will be held during the afternoon lunch periods on Wednesday (June 26) and Thursday (June 27). All posters will be displayed in Boole lecture Rooms 5 and 6. Wednesday posters may be put up on Wednesday morning before 10:00 AM and removed by 6:00 PM. Posters numbered 1-18 will be displayed in Boole No. 6 and Posters numbered 19-34 will be displayed in Boole No. 5. Thursday posters may be put up on Thursday morning before 10:00 AM and removed by 6:00 PM. Posters numbered 35-50 will be displayed in Boole No. 6 and Posters numbered 51-67 will be displayed in Boole No. 5.
- Please note that any posters not removed at the appropriate times will be discarded.

Breaks and Social Event

Coffee Breaks: Coffee /tea will be available before the start of each day and all registered delegates are invited to take a small stretch and enjoy tea/coffee and scones/pastries at the two coffee stations, which are adjacent to the poster rooms.

Lunches: Wednesday, Thursday and Friday lunches are included in the registration fee. The lunches on Wednesday and Thursday will be available in the Mini Rest in a building adjacent to Boole. On Friday, a farewell takeaway lunch will be available at the coffee stations after the close of the meeting.

Reception and Conference Dinner: The conference dinner will be in the Aula Maxima building, located in the University's Quad, and only a few minutes of a walk from the Boole library. This old-world gothic revival style hall, dating back to 1849, is steeped in UCC's academic tradition. A pre-dinner drinks reception will commence at 7:00 pm, followed by the conference dinner. A pre-purchased ticket is necessary. Please inquire on-site as a limited number of tickets may become available.

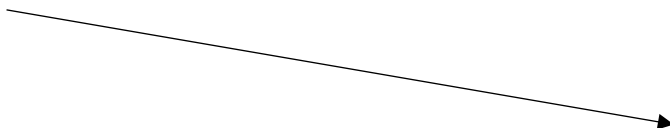
WIFI AND CONFERENCE WEBSITE ACCESS

Wifi Access:

- Complementary wifi access will be provided during the conference through the UCC campus system.
- Login information for guest access is as follows:
 - **Username: vitd-jun-24**
 - **Password: Uy6fbhxf**
- Alternatively, *eduroam* will be available if you are a member through your institution.

Conference Website Access

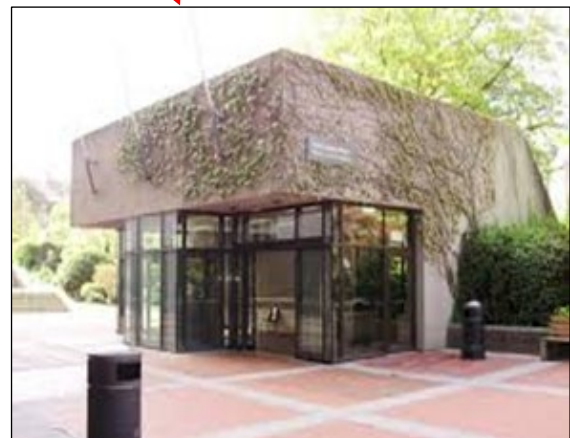
- The conference website <https://vdw.swoogo.com/vdw2024> will remain available throughout the meeting. Abstracts, speaker information and participant lists are accessible on the website.
- Login using your credentials OR **conference passcode VDW2024** to view locked content
- Content can be viewed by day and filtered by sessions, speakers, etc.
- Click on magnifying glass for pop-up with author details, abstract, etc.



9:00 AM - 10:15 AM	Session 1: Type 2 Diabetes, Cardiovascular Disease		Q
9:00 AM - 9:25 AM	EPIGENETIC PROGRAMMING OF IMMUNE CELLS TO CAUSE INSULIN RESISTANCE AND HYPERTENSION	Carlos Bernal-Mizrachi, Washington University	Q
9:30 AM - 9:55 AM	CLINICAL TRIALS SYNTHESIS (CARDIOVASCULAR DISEASE OUTCOMES).	Robert Scragg, School of Population Health, University of Auckland	Q
10:00 AM - 10:10 AM	THE EFFECT OF VITAMIN D ON REGRESSION TO NORMAL GLUCOSE REGULATION IN ADULTS WITH PREDIABETES	Anastassios Pittas, Tufts Medical Center	Q

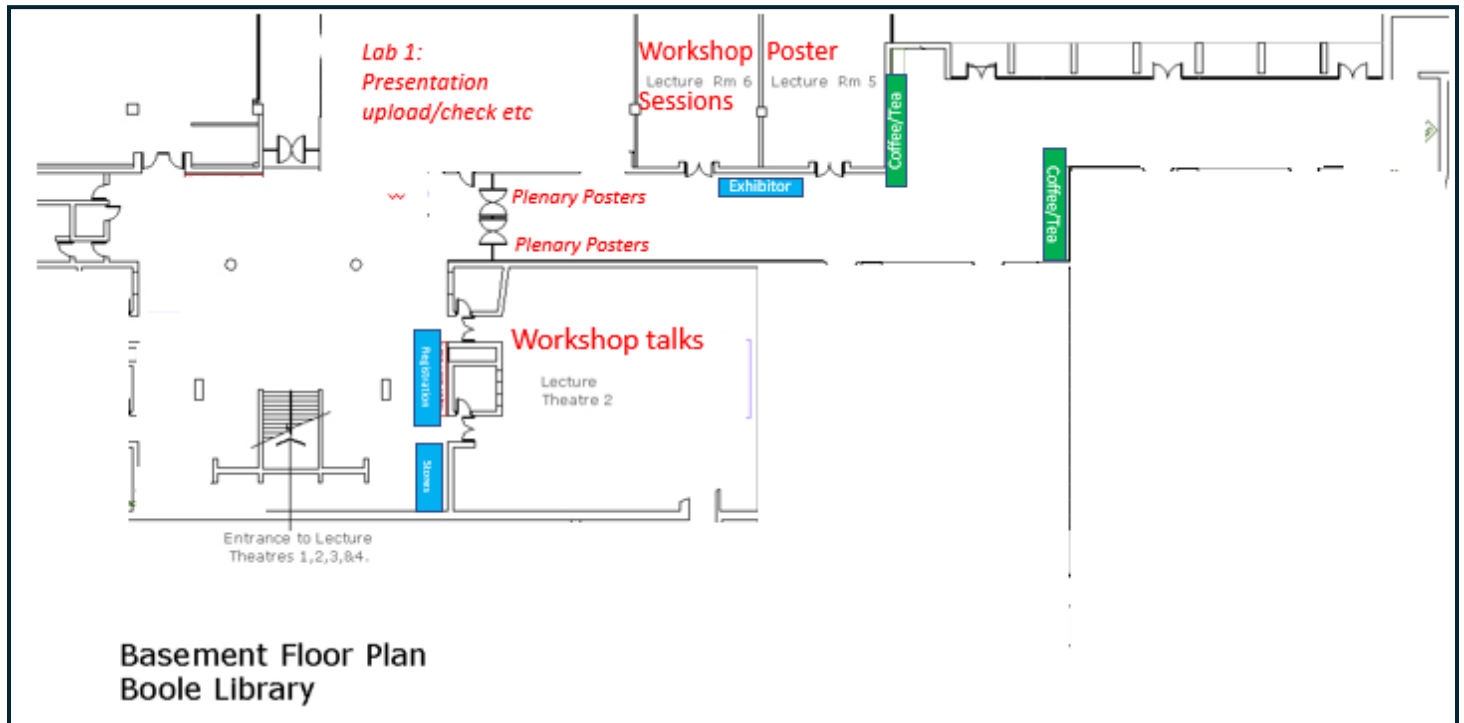
ORIENTATION MAP 1: CAMPUS

Boole basement complex within UCC's main campus
(*opposite the Boole Library*)



Entrance to Boole basement complex (#8)
There will be VDW 2024 signage on the door

ORIENTATION MAP 2: BOOLE BASEMENT



WORKSHOP ORGANIZERS, SPONSORS & EXHIBITORS

Vitamin D Workshop Leadership

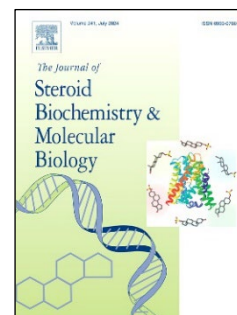
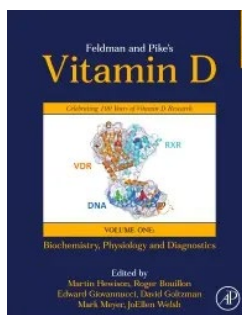
- James Fleet, PhD - President
- JoEllen Welsh, PhD - Chief Financial Officer

Local Organization

- Scientific Co-Chairs – Kevin Cashman, PhD & Mairead Kiely, PhD University College Cork
- Meeting Planner - Nichole Ballard, YES Events!
- Catering – Christopher McCarthy, KSG Catering at UCC

Sponsors & Exhibitors

- NIH National Institute on Aging Conference Grant (Platinum Sponsor)
- OPKO Health (Gold Sponsor)
- HEYL Chem, Berlin, Germany (Exhibitor)
- Elsevier – Poster Prizes, Feldman and Pike's Vitamin D Fifth Edition
- JSBMB – 25th Workshop on Vitamin D Special Issue (see page 18)



Funding for this conference was made possible, in part, by R13 AG4889-01 from the National Institute on Aging. The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; not does mention by trade names, commercial practices, or organisations imply endorsement by the U.S. Government.

2024 AWARD RECIPIENTS

Tony Norman Awards for Highest Ranked Abstracts by Trainees

- Reagan Mogire, Post Doctoral Fellow, NIH. *Novel insights into the role of OSBPL11 in vitamin D metabolism*
- Anna Louise Vestergaard, Post Doctoral Fellow, Aarhus University. *Vitamin D in pregnancy – the GRAVITD trial*
- Nicole Froelich, Graduate Student, Pennsylvania State University. *Vitamin D deficiency impacts the development of immunity from embryonic to adulthood*

Trainee Travel Awards for Highly Ranked Abstracts

- Dexing Dai, The Second Xiangya Hospital of Central South University, China. *1,25-Dihydroxyvitamin D enhances instantaneous muscle strength via phospholipase C- γ 1.*
- Aiten Ismailova, McGill University, Canada. *The effect of the hormonal form of vitamin D on neutrophil gene expression and function*
- Sophia Karabatsos, McGill University, Canada. *Function of the transcription factor Autoimmune Regulator (AIRE) as a vitamin D receptor coactivator.*
- Ireen Kooij University Hospital Copenhagen, Denmark. *Vitamin D and IVF/ICSI outcome: are we measuring the right metabolites?*
- Kateryna Len, IGBMC, France. *Vitamin D receptor in PTEN-deficient prostatic epithelial cells prevents cancer progression*
- Yali Ling, The Second Xiangya Hospital of Central South University, China. *1,25(OH) $_2$ D inhibits bone aging.*
- Ziyang Liu, Matsumoto Dental University, Japan. *VDR in osteoblastic cells dictates disease outcomes of calcium and phosphate metabolic disorders*
- Carmen Reynolds, Mayo Clinic, USA. *Altered 24,25-Dihydroxyvitamin D in a genetic kidney stone disease.*

SCIENTIFIC PROGRAM

Tuesday, June 25 – Check-In and Reception (River Lee Hotel)

6:00 – 8:00 PM Badge Pick-Up & Welcome Reception, The Mirror Room & Riverside Terrace, River Lee Hotel

Wednesday, June 26 – Scientific Sessions and Posters (Boole Theatre Complex, UCC)

8:45 - 9:00 AM Welcome and Opening Remarks - *Mairead Kiely*, University College Cork; *Kevin Cashman*, University College Cork; *James Fleet*, University of Texas at Austin; *JoEllen Welsh*, SUNY Albany

SESSION 1: Vitamin D, Type 2 Diabetes and Cardiovascular Disease (Chairs: Rolf Jorde, Barbora de Courten)

9:00 - 9:25 AM	Epigenetic programming of immune cells to cause insulin resistance and hypertension.	Carlos Bernal-Mizrachi, Washington University
9:30 - 9:55 AM	Clinical trials synthesis (cardiovascular disease outcomes)	Robert Scragg, School of Population Health, University of Auckland
10:00 - 10:10 AM	The effect of vitamin D on regression to normal glucose regulation in adults with prediabetes	Anastassios Pittas, Tufts Medical Center

Coffee Break

SESSION 2: Vitamin D in Cancer Prevention, Treatment and Survival (Chairs: Dan Bikle, John White)

10:35 - 11:00 AM	Vitamin D, prostate cancer and disparities	Larisa Nonn, University of Illinois College of Medicine Chicago
11:05 - 11:30 AM	Vitamin D and cancer incidence and mortality	Rachel Neale, QIMR Berghofer Medical Research Institute
11:35 - 11:45 AM	Vitamin D receptor in PTEN-deficient prostatic epithelial cells prevents cancer progression	Kateryna Len, IGBMC
11:50 - 12:00 PM	Vitamin D opposes multilineage cell differentiation in human colon organoids	Asunción Fernández-Barral, Instituto de Investigaciones Biomédicas Sols-Morreale
12:05 - 12:15 PM	Role of 24R,25(OH)2D3 in the regulation of estrogen-sensitive breast and laryngeal cancer	D. Joshua Cohen, Virginia Commonwealth University

12:15 – 2:15PM. POSTER SESSION I and Hot Lunch served in the Mini-Rest

SESSION 3: Vitamin D and Respiratory Illness including COVID (Chairs: Roger Bouillon, Vin Tangpricha)

2:15 - 2:40 PM	Lessons from the bench: COVID-19 and our understanding of vitamin D and immune function	Martin Hewison, University of Birmingham
2:45 - 3:10 PM	Vitamin D for respiratory infections: lost in translation?	Adrian Martineau, Blizard Institute
3:15 - 3:25 PM	The effect of the hormonal form of vitamin D on neutrophil gene expression and function	Aiten Ismailova, McGill University
3:30 - 3:40 PM	Latent class analysis reveals COVID-19-related subgroups with differential responses to calcifediol	Roger Bouillon, KU Leuven

Coffee Break

SESSION 4: Endocrine Society Clinical Guideline Update (Chairs: Martin Hewison, Kevin Cashman)

4:05 - 4:30 PM	Vitamin D for the prevention of disease: an Endocrine Society clinical practice guideline	Anastassios Pittas, Tufts Medical Center
4:30 - 5:25 PM	Panel Presentation of the Endocrine Society Recommendations and Audience Discussion Anastassios Pittas, Robert Scragg, Mairead Kiely, Paul Lips, Dan Bikle	

Thursday, June 27– Scientific Sessions and Posters (Boole Theatre Complex, UCC)**SESSION 5: Vitamin D and Reproductive Health/Perinatal outcomes (Chairs: Carole Wagner, Sina Gallo)**

9:00 - 9:25 AM	Latest data on vitamin D and male reproduction	Martin Blomberg Jensen, University Hospital Copenhagen Herlev - Gentofte
9:30 - 9:55 AM	Inequalities in vitamin D status among multiparous mothers and their neonates living in Canada	Hope Weiler, Health Canada
10:00 - 10:10 AM	Vitamin D in pregnancy – the GRAVITD trial	Anna Louise Vestergaard, Aarhus University
10:15 - 10:25 AM	Vitamin D and IVF/ICSI outcome: are we measuring the right metabolites?	Ireen Kooij, Herlev Hospital
10:30 - 10:40 AM	Vitamin D deficiency, altered 3-epimerization and 24-hydroxylation of 25-OH-D3: a triad of metabolic aberrations in a cohort of pre-term infants	Martin Kaufmann, Queen's University

*Coffee Break***SESSION 6: Vitamin D in Brain Development and Decline (Chairs: JoEllen Welsh, Carmen Reynolds)**

11:05 - 11:30 AM	Vitamin D, a developmental neurosteroid affecting brain development and function	Darryl Eyles, University of Queensland
11:35 - 12:00 PM	Vitamin D and cognition in the ageing brain	Francois Feron, Aix-Marseille Université,

12:00 – 2:30 PM. POSTER SESSION II with Buffet Lunch served in the Mini-Rest**SESSION 7: Vitamin D in Musculoskeletal development and outcomes (Chairs: Tom Thacher, Paul Lips)**

2:30 - 2:55 PM	New FAO-WHO vitamin D intake recommendations for 0-4 year olds (rickets prevention)	Kevin Cashman, University College Cork
3:00 - 3:25 PM	A comprehensive perspective on the role of vitamin D signaling in maintaining bone homeostasis	Lieve Verlinden, KU Leuven
3:30 - 3:40 PM	1,25D3 confers protection against glucocorticoid excess in bone, muscle and the heart	Teresita Bellido, University of Arkansas for Medical Sciences
3:45 - 3:55 PM	The role of NFATC1 in 1,25D mediated regulation of osteocyte lacuno-canalicular remodeling	Eva Liu, Brigham and Women's Hospital

*Coffee Break***SESSION 8: Vitamin D metabolism and molecular action (Chairs: Jim Fleet, Martin Kaufmann)**

4:20 - 4:45 PM	Exploiting genomic mechanisms of renal vitamin D metabolism to detect nonrenal calcitriol production	Mark Meyer, University of Wisconsin-Madison
4:50 - 5:00 PM	Novel insights into the role of OSBPL11 in vitamin D metabolism	Reagan Mogire, NIH

5:05 - 5:25 PM Awards Ceremony (Jim Fleet, JoEllen Welsh)**7:00 - 10:00 PM Reception and Conference Dinner (ticket required)**

Friday, June 28 – Scientific Sessions and Posters (Boole Theatre Complex, UCC)**SESSION 9: Vitamin D Supplementation & Dosing (Chairs: Glenville Jones, Anne Marie Jukic)**

9:30 - 9:55 AM	Absorption and metabolism of vitamin D2, vitamin D3, and 25-hydroxyvitamin D	James Fleet, University of Texas at Austin
10:00 - 10:25 AM	Calcifediol: efficacy and safety	Maria Luisa Brandi, MD, PhD, University of Florence and FIRMO Foundation
10:30 - 10:40 AM	A natural role for vitamin D2 in the physiological economy of vitamin D	David Fraser, The University of Sydney
10:45 - 10:55 AM	Unraveling vitamin D sources in salmon: insights from feed and UVB exposure studies	Samir Hobloss, DTU Fødevareinstituttet

*Coffee Break***SESSION 10: Vitamin D Fortification of Food (Chairs: Susan Lanham-New, Eleanor Dunlop)**

11:20 - 11:40 AM	Canada's vitamin D fortification strategy	Janice Daoust, Health Canada
11:40 - 12:00 PM	Vitamin D as a fortificant – contribution to intakes, applications, cost, uptake by the food industry and opportunities	Maaïke Bruins, DSM-Firmenich
12:00 - 12:20 PM	Prevention of vitamin D deficiency at a population level – the case for co-design of policy	Mairead Kiely, University College Cork
12:20 - 12:50 PM	Round Table	
12:50 - 1:00 PM	Closing Remarks	
1:00 PM	Takeaway lunch available	

PLENARY POSTERS

WEDNESDAY JUNE 26 – FRIDAY JUNE 28

ON DISPLAY THROUGHOUT THE CONFERENCE IN THE COFFEE/EXHIBIT AREA	
TITLE	PRESENTER
P1: 1,25-Dihydroxyvitamin D enhances instantaneous muscle strength via phospholipase C- γ 1.	Dexing Dai, The Second Xiangya Hospital of Central South University
P2: Altered 24,25-Dihydroxyvitamin D in a genetic kidney stone disease.	Carmen Reynolds, Mayo Clinic
P3: Mice with renal VDR deletion are normocalcemic with increased intestinal calcium absorption in males.	Lieve Verlinden, Clinical and Experimental Endocrinology, KU Leuven
P4: PS-101, A VDR agonist/HDAC inhibitor hybrid molecule.	Fatemeh Sarmadi, McGill University
P5: Vitamin D metabolism in anephric patients – fall of a dogma.	Roger Bouillon, NVT
P6: Vitamin D deficiency impacts the development of immunity from embryonic to adulthood	Nicole Froelich, Pennsylvania State University
P7: 1,25(OH) $_2$ D inhibits bone aging	Zhongjian Xie, The Second Xiangya Hospital of Central South University
P8: Vitamin D is essential for thymic morphogenesis and function: implications for autoimmunity.	Patricio Artusa, McGill University
P9: Sustained reduction of PTH by extended-release calcifediol associates with slower CKD progression.	Charles Bishop, OPKO Health

POSTER SESSION 1

WEDNESDAY JUNE 26

ON DISPLAY IN BOOLE ROOM 6		
POSTER NUMBER	TITLE	FIRST AUTHOR
1	Efficacy and safety of weekly calcifediol 75 & 100 mcg doses in subjects with vitamin D deficiency.	Paula Arranz FAES FARMA S.A.
2	A simulation study to develop an individualized vitamin D supplementation regimen.	Anne Marie Jukic NIEHS
3	Can increased vitamin D supplementation reduce overweight-related inflammation in pregnancy?	Helena H. Andersen Aarhus University
4	No association between maternal vitamin D status in pregnancy and cardiometabolic risk in offspring.	Hanna Augustin Institution of Medicine, Sahlgrenska
5	Higher 25(OH)D3, but not 25(OH)D2, associates with lower transient elastography scores in chronic hepatitis infection.	Shahdi Malakooti Case Western Reserve University
6	Vitamin D deficiency is associated with increased Plasminogen Activator Inhibitor 1/Plasminogen Activator Inhibitor 2 ratio in	Anna Louise Vestergaard Aarhus University
7	GXE Study uncovers 162 novel vitamin D variants after precise estimate of ambient UV exposure.	Rasha Shraim, Trinity College Dublin
8	Healthy adults with high trunk fat content have low bioavailability of vitamin D.	Zhongjian Xie, The Second Xiangya Hospital of Central South University
9	Vitamin D deficiency in Mongolian men aged 15-49 years old.	Tserendolgor Uush New Medical University
10	UV light vs oral vitamin D: regulators of blood pressure and immunological response in a pig model.	Julia Kuehn Martin Luther University
11	The Swedish vitamin D fortification policy may benefit most pregnant women, but not equally.	Mathilda Forsby University of Gothenburg
12	Investigating the potential role of IGFBP3 as a vitamin D antiproliferative mediator in lung cancer. A	Dominika Lewoń-Mrozek Hirsfeld Institute
13	Metabolomics to assess high-dose cholecalciferol in vitamin D deficient critically ill children.	Philip Britz-Mckibbin McMaster University
14	Exploring the impact of adult, whole body- and intesting specific- CYP24A1 deletion on vitamin D metabolites and	James Fleet University of Texas at Austin
15	UV light exposure vs vitamin D supplementation: a comparison of vitamin D metabolism in a pig model.	Julia Kuehn Martin Luther University
16	Adequacy of vitamin D supplementation to improve mental health and physical functional outcomes in African Americans	Adriana Dusso Washington University
17	Cholecalciferol and prebiotic on intestinal and airway microbiota in adults with Cystic Fibrosis.	Vin Tangpricha Emory University
18	Sulfated vitamin D metabolites have prominent roles during lactation.	Carmen Reynolds Mayo Clinic

POSTER SESSION 1

WEDNESDAY JUNE 26

ON DISPLAY IN BOOLE ROOM 5		
POSTER NUMBER	TITLE	FIRST AUTHOR
19	Association between dietary iron intake and vitamin D status: post-hoc analysis of the D2-D3 study.	Emily Brown University of Surrey
20	Effect of cholecalciferol supplementation on mineral composition in seminal fluid from infertile men.	Frederikke Bay Toft Copenhagen University Hospital
21	A vitamin D trial in localized intermediate risk prostate cancer cases on active surveillance- PROSD	Visalini Nair-Shalliker The Daffodil Centre, Cancer Council
22	Optimizing for vitamin D intake and low carbon emissions in diets among Swedish adolescents.	Andre Hesselink University of Gothenburg
23	Identification of CYP27B1 in the chicken genome.	Marina Kohn University of Munich
24	Intralesional injection of vitamin D for treatment of cutaneous warts.	Tom Thacher Mayo Clinic
25	Next-generation effects of vitamin D supplementation in pregnancy.	Nanna Svensson Aarhus University
26	An integrated bioinformatics analysis of 25-D 1 alpha-hydroxylase regulation in prostate cancer.	Romina Martinelli Universidad Nacional de Rosario
27	Association between vitamin D (VITD) status and COVID-19 infection in adults aged 50 years and older.	Carol Wagner Medical University of South Carolina
28	Are current infant vitamin D intakes sufficient to achieve adequacy? A feasibility study in Athens, GA, USA.	Valentina Paez Nutritional Sciences, University of
29	Transient decline in hemoglobin in breast fed infants randomized to 1000 vs. 400 IU of vitamin D3.	Hope Weiler Health Canada
30	Vitamin D (VITD) and acute kidney injury (AKI) in very low birth weight (VLBW) preterm neonates.	Carol Wagner Medical University of South Carolina
31	Function of the transcription factor Autoimmune Regulator (AIRE) as a vitamin D receptor coactivator.	Sophia Karabatsos McGill University
32	Vitamin D metabolites regulate matrix vesicle function in mineralizing tissues.	Barbara Boyan Virginia Commonwealth University
33	The intra- and inter- relationships between various vitamin D forms and adipokines in maternal-neonatal pairs in Greece.	Tarek Arabi Alfaisal University
34	Mothers during pregnancy and their children during early infancy as related to developmental defects or disorders of the	Susan Reed Medical University of South Carolina

POSTER SESSION 2

THURSDAY JUNE 27

ON DISPLAY IN BOOLE ROOM 6		
POSTER NUMBER	TITLE	FIRST AUTHOR
35	Elucidation of molecular mechanism of vitamin D and VDR actions using genetically modified rats	Kaori Yasuda Toyama Prefectural University
36	Higher parathyroid hormone levels are associated with cardiometabolic risk and hypertension in Macao	Kaye Brock University of North Texas
37	Impacts of age on vitamin D3 metabolism and action in laying hens	Laura Ellestad University of Georgia
38	The impact of vitamin D signaling on osteocyte gene expression and function is stage-specific	James Fleet University of Texas at Austin
39	VDR deletion in dorsal root ganglia has no effect on bone mass but increases fat mass in female mice	Stefanie Doms KU Leuven
40	Association between vitamin D status and respiratory tract infections requiring hospital admission	Abi Bournot University of Surrey
41	VDR in osteoblastic cells dictates disease outcomes of calcium and phosphate metabolic disorders	Ziyang Liu Matsumoto Dental University
42	Vitamin D dosage in outpatients during and after the COVID-19 pandemic: a brief algorithm	Andrius Bleizgys Vilnius University
43	Action spectrum for 7-dehydrocholesterol in ex vivo human skin exposed with UV-LEDs and vitamin D3 measured by UHPLC-MS/MS	Jette Jakobsen Technical University of Denmark
44	Optimized synthesis of the vitamin D antagonist ZK168281	Miguel A. Maestro University of A Coruna
45	Investigating the association between FOK1 polymorphism in the vitamin D receptor gene and type 2 diabetes prevalence: a comprehensive analysis	Romina Martinelli Universidad Nacional de Rosario
46	A global systematic review and meta-analysis of vitamin D status	Eleanor Dunlop Deakin University
47	CFTR modulators not associated with increased vitamin D levels in young adults with cystic fibrosis	Crystal Cobb Emory University
48	Identification of novel metabolites of vitamin D3-lactone by CYP3A4	Rino Tsutsumi Tokyo University
49	Low vitamin D binding protein and high cytokines in patients with primary hyperparathyroidism	Xiangbing Wang Rutgers University
50	Vitamin D metabolism is changed and FGF23 levels are increased in patients with cirrhosis	Anika Nier Martin Luther University

POSTER SESSION 2

THURSDAY JUNE 27

ON DISPLAY IN BOOLE ROOM 5		
POSTER NUMBER	TITLE	FIRST AUTHOR
51	A scoping review of carcinogenic potential of 40+ years of functional vitamin D and K deficiency	Tim Oliver Barts Cancer Institute
52	Phosphate transportation in the male reproductive tract and semen quality	Zhihui Cui Copenhagen University Hospital
53	The sunny side of tomatoes: maximising pro-vitamin D3 accumulation in biofortified fruit	Brenda Kageni Mionki John Innes Centre
54	Lower levels of vitamin D3 are associated with post- COVID-19 depression	Alexandre Matar MetroHealth
55	Maternal vitamin D deficiency alters pulmonary endothelial cell growth and mRNA expression in newborn rats	Erica Mandell University of Colorado
56	Meta-analysis characterizing the serum 25-hydroxyvitamin D response to vitamin D supplementation	Joerg Reichrath Saarland University
57	Vitamin D2 supplementation and the effect on 25-hydroxyvitamin D3 concentrations: a meta-analysis	Emily Brown University of Surrey
58	Vitamin D may mitigate ambient air pollutant effects on miscarriage and improve decidualization	Anne Marie Jukic NIEHS
59	Changes in vitamin biomarkers across pregnancy and by maternal obesity	Sina Gallo University of Georgia
60	Comprehensive vitamin D LC-MS/MS profiling of 8 vitamin D metabolites in the clinical laboratory	Nick Narinx KU Leuven
61	Ambient UVB, supplements and other factors interact to impact vitamin D status	Lina Zgaga Trinity College Dublin
62	Acute hyperglycemia induces podocyte apoptosis by increased monocyte ADAM17 expression and TNF α release, a process aggravated by vitamin D deficiency	Adriana Dusso Washington University
63	Can high maternal vitamin D levels positively affect prenatal neurodevelopment in obese pregnancies?	Caroline Sylvest Worm Aarhus University
64	DBP isoforms do not affect total or free 25OHD response to vitamin D supplementation in older adults	Xinran Hu University of Florida
65	Integrated in-silico analysis of prostate adenocarcinoma data using random forest reveals CYP27B1 methylation as a precise fine-tuning mechanism	Romina Martinelli Universidad Nacional de Rosario
66	A method for measuring urine levels of vitamin D metabolites using LC-MS/MS	Masaki Takiwaki JEOL Ltd.

MANUSCRIPT SUBMISSION

JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR BIOLOGY

Proceedings of the 25th Vitamin D Workshop

The Journal of Steroid Biochemistry and Molecular Biology (JSBMB) will publish a Special Issue of peer-reviewed manuscripts describing research presented at the 25th Vitamin D Workshop. All workshop delegates who present a promoted talk or a poster at the Workshop are encouraged to submit a full-length manuscript to the Special Issue. Manuscripts must contain previously unpublished work based on the conference presentation. Only Invited Speakers, who are encouraged to provide a manuscript summarizing their platform presentation, may submit review articles.

Please note that all manuscripts submitted for the Proceedings will be peer-reviewed according to standard JSBMB criteria and therefore acceptance is not guaranteed. Manuscripts must be original publications thereby precluding submission of data that has been published or is accepted for publication elsewhere. A plagiarism check for duplicate content is standard practice at the journal.

Submission Process:

- Deadline for on-line submissions for the Special Issue is **November 1, 2024**
- Manuscripts for the Vitamin D Workshop Special Issue must be submitted electronically
- The submission website for JSBMB is <https://www.editorialmanager.com/sbmb/default1.aspx>
- Guide for Authors is accessed at <https://www.sciencedirect.com/journal/the-journal-of-steroid-biochemistry-and-molecular-biology/publish/guide-for-authors>
- Authors must indicate that the manuscript is to be considered for publication in the Special Issue of the 25th Vitamin D Workshop. The Special Issue should be selected when you reach the “**Article Type**” step in the submission process