PLENARY POSTERS

Board 1: ACTIVE VITAMIN D3 ANALOGS, MAXACALCITOL AND ELDECALCITOL: PROTEIN INTERACTION AND MOLECULAR MODE OF ACTION. Y Ono, M Ohta. Research Division, Chugai Pharmaceutical Co. Ltd., Gotemba, Shizuoka, 412-8513, Japan

Board 2: A GAME CHANGER IN VITAMIN D TESTING: A HIGH THROUGHPUT UNIVERSAL VITAMIN D ASSAY FOR AUTOMATED CHEMISTRY ANALYZERS. FB Saida, C Yuan. Diazyme Laboratories Inc., Poway, CA

Board 3: $1,25(OH)_2D$-MEDIATED CALCIUM ABSORPTION AT PROXIMAL COLON: TARGETED GENE UPREGULATION BY GLYCOSIDE/GLUCURONIDE CALCITRIOL. H Jiang[1], R Horst[2], NJ Koszewski[3], JP Goff[3], S Christakos[4], JC Fleet[1]. [1]Dept. of Nutrition Science, Purdue University, IN; [2]GlycoMyr, Ames, IA, [3]Dept. Biomedical Sciences, Iowa State U., IA; [4]Rutgers New Jersey Medical School, NJ

Board 4: NUTRIGENOMICS OF $1,25(OH)_2D_3$ ACTION IN THE INTESTINE. S. Li[1], J. De La Cruz[1], J. Hur[2], O. Pellon-Cardenas[2], N. Shroyer[3], J. Fleet[4] M. Verzi[2] and S. Christakos[1]. Rutgers New Jersey Medical School, Newark, NJ[1], Rutgers University, New Brunswick, NJ[2], Baylor College of Medicine, Houston, TX [3], Purdue University, West Lafayette, IN[4]

Board 5: ROLE OF VDR SIGNALING IN SALIVARY GLAND HOMEOSTASIS AND CANCER. DeSantis K, Robilotto S and Welsh, JE. University at Albany Cancer Research Center, Rensselaer, NY 12144

Board 6: VITAMIN D REGULATION OF METABOLISM IN TRIPLE NEGATIVE BREAST CANCER. CJ Narvaez[1], D Grebenc[2], and JE Welsh[1]. [1]Cancer Research Center, University at Albany, Rensselaer, NY 12144; [2]Dept of Biochemistry, Queens University, Kingston, ON K7L 3N6

Board 7: GENETIC POLYMORPHISM LEADING TO OVER-EXPRESSION OF VDR IN ACTIVATED T CELLS PROMOTES PRO-INFLAMMATORY BEHAVIOUR. G Fernandez Lahore, B Raposo, M Aoun, M Lagerquist, KS Nandakumar KS, R Holmdahl. Division Medical Inflammation Research, Dept. Medical Biochemistry and Biophysics, Karolinska Institute, Sweden

Board 8: IN SILICO IDENTIFICATION OF NOVEL TRANSCRIPTION FACTORS ASSOCIATED WITH CYP27B1 TRANSCRIPTIONAL REGULATION IN MONONUCLEAR PHAGOCYTES EXPOSED TO LPS. R Martinelli, MJ Rodriguez, L Daurelio, L Esteban. Department of Biological Chemistry, School of Medicine, National University of Rosario, Santa Fe

Board 9: COMPLEMENT COMPONENT C3a REGULATES EPITHELIAL CELL 25(OH)D3 TO 1,25(OH)D3 METABOLISM Atkinson C, Schlosser RJ, Mulligan JK. Medical University of South Carolina

Board 10: WHAT IS THE MINIMAL SERUM 25-HYDROXYVITAMIN D LEVEL FOR OPTIMAL SKELETAL MINERALIZATION? S. D. Rao, S. Palnitkar, S. Qiu, Nayana Parikh. Bone & Mineral Research Laboratory, Henry Ford Health System, Detroit, MI, 48202

Board 11: UNDERSTANDING THE LINK BETWEEN VITAMIN D DEFICIENCY AND OBESITY. M Knuth, D Mahapatra, D Jima, S Kullman. Department of Biological Sciences, North Carolina State University, Raleigh, NC

Board 12: VITAMIN D RECEPTOR EXPRESSION HAS BECOME DEPENDENT ON THE BRAFV600E MUTATION IN METASTATIC MELANOMA. K.M. HAU, E.P. Rodriguez, and P.D. Thompson School of Biomedical Science, Ulster University, United Kingdom

Board 13: MATERNAL VITAMIN D DEFICIENCY INDUCES TRANSCRIPTOMIC CHANGES IN NEWBORN RAT LUNGS. Erica Mandell[1], Sharon Ryan[1], Gregory J. Seedorf[1], Steven H. Abman[1] and James C. Fleet[2]. [1]Pediatric Heart Lung Center, Department of Pediatrics, University of Colorado, School of Medicine, Aurora, CO 80045. [2]Department of Nutrition Science and the Center for Cancer Research, Purdue University, West Lafayette, IN 47906

Board 14: TROPHIC FACTOR SIGNALING PROMOTES HAIR FOLLICLE FORMATION IN VDR-NULL MICE. N Vishlaghi, A Corral, TS Lisse Biology Department, University of Miami, FL

Board 15: MEGALIN MEDIATES 25-HYDROXYVITAMIN D ACTIONS IN HUMAN MESENCHYMAL STEM CELLS. J. Glowacki, Y. Gao, S. Luu, S. Zhou Brigham and Women's Hospital, Boston MA

Board 16: GLUTATHIONE-DEFICIENCY INDUCES EPIGENETIC MODIFICATIONS OF VITAMIN D-REGULATORY GENES IN DIABETIC MICE: ITS ROLE IN 25(OH)VITAMIN D-DEFICIENCY R Parsanathan and SK. Jain, Department of Pediatrics, Louisiana State University Health Sciences Center, Shreveport, LA 71130, United States

Board 17: 25-HYDROXYVITAMIN D-GLUCURONIDE ACTIVATES VDR IN THE COLON OF MICE. C Reynolds, N Koszewski, R Horst, D Beitz, J Goff. Iowa State University, Ames, IA

Board 18: ELUCIDATION of 25-HYDROXYVITAMIN D3 METABOLISM USING *Cyp24a1*-KNOCKOUT RATS GENERATED by CRISPR/Cas9 SYSTEM. K. Yasuda[1], K. Okamoto[1], M. Nishikawa[1], F. Kawagoe[2], K. Nakagawa[3], N. Tsugawa[4], T. Okano[3], A. Kittaka[2], S. Ikushiro[1], T. Sakaki[1]. [1] Toyama Prefectural University, Toyama, Japan, [2] Teikyo University, Tokyo, Japan, [3] Kobe Pharmaceutical University, Hyogo, Japan, [4] Osaka Shoin Women's University, Osaka, Japan

Board 19: POLYMORPHISMS IN THE VITAMIN D SYSTEM AND MORTALITY - THE TROMSØ STUDY. R Jorde[1,2], T Wilsgaard[3], G Grimnes[1,2]. [1]Tromsø Endocrine Research Group, Department of Clinical Medicine, UiT The Arctic University of Norway, and [2]Division of Internal Medicine, University Hospital of North Norway, Tromsø, Norway, [3]Department of Community Medicine, UiT The Arctic University of Norway, Tromsø, Norway

Board 20: PROGRESSION OF SECONDARY HYPERPARATHYROIDISM IN STAGE 3-4 CKD IS ATTENUATED BY SERUM TOTAL 25-HYDROXYVITAMIN D LEVELS ABOVE 50 NG/ML**.** S Sprague[1], S Strugnell[2], A Ashfaq[2], M Petkovich[3] and C Bishop[2]. [1]NorthShore University HealthSystem, Evanston, IL, [2]OPKO Health, Miami, FL, and [3]Queens University, Kingston, Ontario

Board 21: 1,25-DIHYDROXYVITAMIN-D3 LEVEL MEASURED AT THE TIME OF ALLOGENEIC STEM CELL TRANSPLANTATION PREDICTS ONE-YEAR SURVIVAL. K Peter[1], PJ Siska[1], T Roider[1], C Matos[1], K Renner[1], K Singer[1], D Weber[1], M Güllstorf[3], D Wolff[1], W Herr[1], F Ayuk[3], E Holler[1], K Stark[2], I Heid[2], M Kreutz[1]. [1]Department of Internal Medicine III, Hematology and Medical Oncology, University Medical Center of Regensburg, Germany, [2]Department for Epidemiology and Preventive Medicine, University Medical Center of Regensburg, Germany, [3]Department of Stem Cell Transplantation, University Medical Center Hamburg-Eppendorf, Hamburg, Germany. I.H. and M.K. contributed equally to this study.

Board 22: VITAMIN D2-BASED ENHANCEMENT OF SORAFENIB-MEDIATED DEATH AND GROWTH INHIBITION IN HEPATOCELLULAR CARCINOMA CELLS. QF Wu, X Wang, HC Dai, A Luna, GP Studzinski and C Liu. Department of Pathology, Immunology and Laboratory Medicine, Rutgers-New Jersey Medical School, Newark, New Jersey, USA

Board 23: VITAMIN D SUPPLEMENTATION IMPROVES THE METABOLIC PROFILE IN A RISK POPULATION: A RANDOMIZED CLINICAL TRIAL. Rune Holt,[1] Jørgen Holm Petersen,[1,] Anders Juul,[1] Niels Jørgensen,[1,] and Martin Blomberg Jensen,[1,2]. [1]Department of Growth and Reproduction, Rigshospitalet, University of Copenhagen, Denmark; [2]Division of Bone and Mineral Research, Harvard School of Dental Medicine/ Harvard Medical School, Boston, Massachusetts, USA

Board 24: DIFFERENTIAL EXPRESSION OF GENES REGULATING GROWTH, CONTRACTION AND OXIDATIVE CAPACITY IN SKELETAL MUSCLE OF VITAMIN D DEFICIENT RATS. A Ismail, R Gogulothu; Department of Biochemistry; National Institute of Nutrition, Hyderabad, India