

2022 Award Recipients

TONY NORMAN AWARDS

GRADUATE STUDENT RECIPIENT:

Stephanie Doms, KU Leuven, Belgium - *The vitamin D3 analog WY1048 affects cortical Bone directly through VDR induced signaling in osteoblast precursors.*

POST DOCTORAL FELLOW RECIPIENT:

Megan Knuth, UNC Chapel Hill, USA – *Developmental vitamin D deficiency alters adult liver energy metabolism pathways.*

JUNIOR FACULTY RECIPIENT:

Madhu Biyani, Kanazawa University, Japan – *A novel DNA aptamer for CYP24 inhibition exerts a therapeutic effect by enhancing anti-proliferative function of vitamin D3 in lung cancer cells.*

RON HORST PRESENTATION AWARDS

Juhi Arora, Pennsylvania State University, USA – *Vitamin D and the ability to produce 1,25(OH)2D are critical for protection from viral infection of the lungs.*

Shelby Bollen, University of Nottingham, UK – *Vitamin D receptor and vitamin D binding protein polymorphisms are associated with skeletal muscle function and physiology in elite master athletes.*

Cydney Dennis, Virginia Commonwealth University, USA - *24R,25(OH)2D3 induces its anti-apoptotic effect in laryngeal cancer cells through a PLD mediated mechanism.*

Nicole Froelich, Pennsylvania State University, USA – *Developmental control of the vitamin D receptor in T cells.*

Sonya Ketchens, Medical University of South Carolina, USA – *Supplementation of vitamin D in black American pregnant to decrease adverse pregnancy outcomes.*

Satoko Kise, Toyama Prefectural University, Japan – *Functional analysis of vitamin D receptor (VDR) using adenovirus vector and its application to gene therapy for VDRKO rats.*

Vanessa McGaughey, University of Miami, USA - *Mechanisms of vitamin D-dependent presentation of tumor-targeting neoantigens in osteosarcoma*

Martyna Stachowicz-Suhs, Hirsfeld Institute, Poland – *Crosstalk between macrophages and murine 4T1 breast cancer cells in the context of the vitamin D induced metastasis: COX-2/ PGE-2/ IL-6 as the main factors driving this process.*

Serra Ucer Ozgurel, UT Austin, USA – *Male LRP5 A214V mutant mice with genetically programmed high bone mass have disruption of the vitamin D endocrine system.*

Natalie Watkins, UT Austin, USA – *Intestinal epithelial cell deletion of CYP24A1 reduces renal CYP27B1 mRNA and enhances TRPV6 mRNA induction by low dietary calcium.*

NUTRIENTS POSTER AWARD

Kirsten D. Krieger, University of Illinois at Chicago - College of Medicine, *Vitamin D sufficiency enhances epithelial differentiation of mouse prostate organoids and cancer cell lines.*