

Scientific Program

DAY 1 – Monday, April 29, 2024		
12:00-13:00	Registration	Founders Hall Foyer
13:00-13:15	Connie Weaver (San Diego State University, USA) Welcome and Official Opening	Founders Ballroom B
	UPDATE ON OSTEOPOROSIS & BONE HEALTH onnie Weaver (USA) & Anne Schafer (USA)	Founders Ballroom B
13:15-13:45	René Rizzoli (Geneva University Hospitals and Faculty of Medicine, Geneva, Switzerland) Nutrition and lifestyle factors for osteoporosis: A 2024 update	
13:45-14:15	Sue Shapses (Rutgers University, USA) Nutritional Influences on Bone and Body Composition Considerations	on: Ethnic
14:15-14:45	Winnie Chee (International Medical University (IMU), Malay Lifestyle and nutritional factors for Asian bone health	
14:45-15:15	Break	Founders Lawn
SESSION 2: UPDATE ON SARCOPENIA & MUSCLE HEALTH Moderators: Sue Lanham-New (UK) & Stuart Phillips (Canada) Founders Ballroom B		
15:15-16:00	Robin M. Daly (Deakin University, Australia) Nutrition and lifestyle factors for sarcopenia: A 2024	update
16:00-16:30	Timothy Kwok (The Chinese University of Hong Kong, Hong Kong) Interaction between diet, sarcopenia and brain health	
16:30-17:00	Roger Fielding (Tufts University, USA) The role of the gut microbiome and serum metabolome on muscle mass and function in older adults	

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SESSION 3: ORAL PRESENTATIONS SELECTED FROM ABSTRACTS Moderators: Nana Gletsu-Miller (USA) & Kelsey Mangano (USA) Founders Ballroom B		
17:00-18:00	Sisi Cao (San Diego State University, USA) Urinary Sodium and Calcium Excretion in He Response to Dietary Salt: A Randomized Cre	
	Nehe Dole (University of Arkansas for Medical Sc Novel role of lipocalin 2 in bone: Protection function and ferroptosis during obesity-indu	against mitochondrial
	Marie-Noëlle Horcajada (Nestlé Institute of Hea A Young-Child Formula with the Synbiotic L oligosaccharides Increases Bone and Musc month Randomized Controlled Trial	. reuteri and Galacto-
	Kenneth Lo (The Hong Kong Polytechnic University Increasing dietary protein intake and adhere patterns prevents cognitive decline of older	ence to healthy dietary
	Susan Lanham-New (University of Surrey, United Association between vitamin D status and requiring hospital admission: analysis of eth Biobank cohort	espiratory tract infections
	Welcome Reception	Founders Ballroom A
18:00-19:30	Interactive Poster Session	Founders Ballroom A
DAY 2 – Tuesday, April 30, 2024		
7:00-8:00	Registration	Founders Hall Foyer
7:00-8:00	Breakfast	Founders Lawn
SESSION 4: NUTRITION, EXERCISE, MUSCLE, BONE INTERACTIONS Moderators: Robin Daly (Australia) & Wendy Kohrt (USA) Founders Ballroom E		
8:00-8:30	Luc van Loon (Maastricht University, Netherlands Protein to support muscle conditioning in a	
8:30-9:00	Andrea Josse (York University, Canada) Dairy and exercise for bone health: Evidence	e and recommendations
9:00-9:30	<u>Darren Candow</u> (University of Regina, Canada) Effects of creatine on bone, muscle and brain	in health – hope or hype?

SESSION 5: ORAL PRESENTATIONS SELECTED FROM ABSTRACTS (cont) Moderators: Elisabet Børsheim (USA) & Taylor Wallace (USA) Founders Ballroom B		
9:30-10:00	Lisa Merrill (University of Massachusetts, Lowell, USA) The Gut Microbiome, Bone Material Strength, and D Adults	iet in Puerto Rican
	Brenda Smith (Indiana University School of Medicine, USA Short Chain Frucotooligosaccharide Promotes Bon Formation in Conjunction with Increasing Osteocyte Regulatory Cells	e Mineralization and
	Liping Zhou (The Hong Kong Polytechnic University, Hong Investigation of the modulation of soy exposure in development and gut microbiota	
40.00 44.00	Break	Founders Lawn
10:00-11:00	Visit Poster Exhibition	Founders Ballroom C
SESSION 6: DIETARY PROTEIN AND MUSCULOSKELETAL HEALTH ACROSS THE LIFE AND HEALTH SPAN		HEALTH ACROSS
Moderators: I	Mark Kern (USA) & Darren Candow (Canada)	Founders Ballroom B
11:00-12:30	<u>David Church</u> (University of Arkansas Medical School, USA Muscle Centric View of Health	A)
	Luc Van Loon (Maastricht University, Netherlands) Plant derived proteins: Game Changers?	
	Elisabet Børsheim (Arkansas Children's Nutrition Center, Optimizing Cardiometabolic Health: Impact of Musc	
	Stuart Phillips (McMasters University, Canada) At the intersection of protein nutrition and exercise: mere mortals for sport performance and health	advice for athletes and
12:30-14:00	Lunch	Founders Lawn
0=001011=	Visit Poster Exhibition	Founders Ballroom A
	DIET INTERACTIONS AND BONE HEALTH: THE PRUNES Sponsored by California Prune Board	PROTECTIVE
	Mary Jane DeSouza (USA) & Ailsa Welch (UK)	Founders Ballroom B
14:00-14:20	Mary-Jane DeSouza (Pennsylvania State University, US) Effects of Prunes on Bone Health in a Cohort of US \ the PRUNE Study	
14:20-14:35	Shirin Hooshmand (San Diego State University, USA) Prunes and bone health: Are there sex differences?	
14:35-15:00	Moderator led discussion with audience. Q&A	
15:00-16:00	Break	Founders Lawn

SESSION 8: NUTRITION IN THE BARATRIC SURGERY PATIENT: EMERGING SCIENCE AND CLINICAL STRATEGIES		
Moderators: (Connie Weaver (USA) & Steven Heymsfield (USA)	Founders Ballroom B
16:00-17:30	Anne Schafer (University of California, San Francisco) Calcium and bone metabolism after bariatric surge Karin Wu (University of California, San Francisco) The gut microbiome after bariatric surgery and its	
	health Nana Gletsu-Miller (Indiana University) Iron deficiency after bariatric surgery	
18:00-	Cocktails/Gala Dinner, VISTA TERRACE Presentation of Young Investigator Awards Peter Burckhardt Award for Best Conference Bess Dawson-Hughes Award for Best Poster Entertainment provided by California Gold Acous	Presentation
DAY 3 – Wednesday 1 st May 2024		
7:00-8:00	Registration	Founders Ballroom B
7:00-8:00	Breakfast	Founders Lawn
	SESSION 9: CALCIUM AND VITAMIN D: WHAT'S NEW? Moderators: Connie Weaver (USA) & René Rizzoli (Switzerland) Founders Ballroom B	
8:00-8:30	Bess Dawson-Hughes (Tufts University, USA) Calcium, vitamin D and bone in older adults: What	t is the evidence in 2024?
8:30-9:00	Wendy Kohrt (University of Colorado, USA) Defense of exercise-induced serum calcium loss	
9:00-9:30	<u>Charles Ginsberg</u> (University of California, San Diego, USA) Vitamin D metabolites Better Predict Health	
9:30-10:00	Debate: Vitamin D Recommendations for Health Remain Strong PRO-Taylor Wallace (Think Healthy Group LLC, George Mason University and Tufts University) CON-Connie Weaver (San Diego State University)	
10:00-10:30	Break Visit Poster Exhibition	Founders Lawn Founders Ballroom A

	: LIFESTYLE CHOICES AND MUSCULOSKELE Man-sau Wong (Hong Kong) & Bess Dawson-Hughes (
10:30-11:00	Ailsa Welch (University of East Anglia, United Kingdom) Dietary patterns for optimizing bone & muscle - Are they effective?	
11:00-11:30	Pamela Von Hurst (Massey University, New Zealand) Veganism – Is it good or bad for bone and muscle?	
11:30-12:00	Connie Weaver (San Diego State University, USA) Food Matrix and Ultraprocessing: Does it m	atter for bone?
12:00-13:00	Lunch Visit Poster Exhibition	Founders Lawn Founders Ballroom A
	: GUT-BONE CROSS-TALK Winnie Chee (Malaysia) & Shirin Hooshmand (USA)	Founders Ballroom B
13:00-13:30	Laura McCabe (Michigan State University, USA) Prunes prevent glucocorticoid induced osteoporomicrobiota health in animals	osis and enhance gut
13:30-14:00	<u>Cristina Palacios</u> (Florida International University, USA) Prebiotics and bone health in children)
14:00-14:30	Man-sau Wong (Hong Kong Polytechnic University, Ho Lignans from Sambucus Williamsii protect bone v	
14:30-15:00	Break	Founders Lawn
SESSION 12: THE BENEFICIAL MICROBES FROM FRESH FRUITS AND VEGETABLES AND THEIR EFFICACY TO MAINTAIN BONE MINERAL DENSITY IN POSTMENOPAUSAL WOMEN Moderators: Gerardo V. Toledo (Solarea Bio, Inc., USA) Founders Ballroom B		
15:00-16:30	Shivani Sahni (Harvard Medical School, USA) The beneficial effects of fresh fruits and vegetabl Framingham cohort evidence	
	Gerardo V. Toledo (Solarea Bio, Inc., USA) The edible plant microbiome and the connection deliver health	with the human gut to
	Eric M. Schott (Solarea Bio, Inc., USA) Preclinical and clinical development of probiotics maintain bone mineral density in postmenopausa	
	Followed by a Panel Discussion with Gina Woods (Switzerland)	s (USA) and René Rizzoli

	RESEARCH NEEDS FOR MUSCULOSKELETAL HEALTH oseph Kindler (USA) & Sue Shapses (USA) Founders Ballroom B
16:30-17:00	Kelsey Mangano (University of Massachusetts Lowell, USA) Future of 'omics' to link diet to musculoskeletal health
17:00-17:30	Steven Heymsfield (Louisiana State University, USA) Digital Health Innovations in Musculoskeletal Care: Tools for Shaping the Future
17:30-18:00	Robin Daly (Deakin University, Australia) Innovation in digital technologies for sarcopenia and osteoporosis: opportunities and challenges
18:00 MEETING CLOSE	