



July - September 2017



## Seattle Institute for Biomedical and Clinical Research Spotlight Feature

### ALVIN M. MATSUMOTO, MD



**A**lvin M. Matsumoto, MD, is Associate Director in the Geriatric Research, Education and Clinical Center (GRECC) and Director of the Clinical Research Unit (CRU) at the VA Puget Sound Health Care System (VAPSHCS), and a Professor in the Department of Medicine, Division of Gerontology & Geriatric Medicine at the University of Washington. Dr. Matsumoto also serves as Vice President of the SIBCR Board of Directors. He directs the VA Fellowship in Advanced Geriatrics and the Mass Spectrometry Hormone Assay Core Laboratory at the VAPSHCS.

Dr. Matsumoto is on the Steering Committee and a site Principal Investigator on a multi-center clinical study sponsored by the National Institutes on Aging and administered by SIBCR entitled “The Testosterone Trials (TTrials)”, a coordinated set of seven double-blind, randomized controlled trials, that studied the effects of testosterone versus placebo treatment for one year in older men (average age 72) with clinical manifestations of androgen deficiency and repeatedly low serum testosterone levels. The TTrials demonstrated convincingly that short-term testosterone treatment improved sexual function, mood, depression symptoms, bone density and anemia; had marginal effects on vitality, physical and cognitive function; and increased non-calcified coronary artery plaque volume (published in five articles, one in the *New England Journal of Medicine* 2016 and two each in *JAMA* and *JAMA Internal Medicine* in 2017). Following from the TTrials, Dr. Matsumoto will serve on the Advisory Board and be a site Principal Investigator for the “Testosterone Replacement therapy for Assessment of long-term Vascular Events and efficacy ResponSE (TRAVERSE)” trial, a large, long-term study to investigate the effect of testosterone versus placebo on major cardiovascular events.

Dr. Matsumoto is an investigator in the NIH Center for Research in Reproduction and Contraception (CRR) at the University of Washington and NCI Pacific Northwest Prostate Cancer Specialized Program Of Research Excellence (SPORE) at the Fred Hutchinson Cancer Research Center. He serves as an Editor for the *Journal of Clinical Endocrinology & Metabolism* and *UpToDate* for male reproductive endocrinology. Dr. Matsumoto is a member of the Scientific Advisory Board of the Partnership for Clean Competition (comprising US Anti-Doping Agency, US Olympic Committee, Major League Baseball, National Football League and other sports organizations) that funds anti-doping research, and Co-Chair of the Partnership for the Accurate Testing of Hormones (comprising 23 clinical, medical and public health organizations) to improve the accuracy and standardization of hormone testing. He is a member of The Endocrine Society Testosterone Treatment of Male Hypogonadism Evidence-Based Clinical Practice Guidelines Task Force.

### RESEARCH SEMINARS

**Location:** Building 1, Room 240 at Noon

**July 24th - Peter Rabinovitch, MD, PhD**, Professor and Vice Chair of Research and Director, Flow Cytometry Laboratory, Department of Pathology, University of Washington, will present “Interventions to reverse cardiac aging - insights derived from basic aging research”

**October 30th – Brian Hafner, PhD**, Associate Professor, Department of Rehabilitation Medicine, University of Washington

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