Estrogen, Obesity and Breast Cancer

3 - 4 p.m.
Thursday, December 3, 2015

Medical Alumni Auditorium, Weiskotten Hall
766 Irving Ave.
SUNY Upstate Medical University
Syracuse, NY 13210

Hironobu Sasano, MD, PhD
Professor and Chair
Department of Pathology, Tohoku University
School of Medicine, Sendai, Japan

ABOUT OUR SPEAKER

Hironobu Sasano, MD, PhD, a pathologist trained in Japan and USA, is one of the world’s leading researchers in pathological correlation between steroid hormone biosynthesis and endocrine-related neoplasms, such as estrogen-dependent breast cancer. Dr. Sasano’s group was first to identify the intra-tumoral presence of steroidogenic enzymes and the sites of estrogen production in breast cancer. He is the current president of Japanese Hormone and Cancer Society. In this presentation, Dr. Sasano will describe how estrogen stimulates breast tumor growth, addressing why estrogen-dependent breast cancer develops often after menopause when the circulating estrogen levels are markedly low. Dr. Sasano will then discuss the association of obesity with breast carcinoma recurrence and development. Finally, he will explain how the drugs known as aromatase inhibitors work and the mechanism of aromatase inhibitor resistance.