The Singapore Bioimaging Consortium (SBIC)
presents a seminar on

"Manifestations of Lymphatic Dysfunction – Lymphedema and Lipedema"

Speaker: **Dr Epameinondas Gousopoulos**
Principal Investigator,University Hospital Göttingen in Germany
Research Fellow, ETH Zurich
Host : **Dr Joanes Grandjean**
Date : **Tuesday, 13 November 2018**
Time : **2.00pm – 3.00pm**
Venue : **SBIC Seminar Room**
11 Biopolis Way
Level 2, Helios Building, Singapore 138667
(Please enter via Level 1)

Abstract

The lymphatic vascular system is important for immune surveillance, tissue fluid homeostasis and fat absorption. Besides its physiological role under homeostatic conditions, it is also involved in many pathological processes, including inflammatory diseases and cancer metastasis. The cardinal manifestation of lymphatic dysfunction is lymphedema, a disease occurring in up to 40% of breast cancer patients after surgical lymph node excision. Lymphedema is associated with arm swelling, fibrosis, increased risk of infection, adipose tissue hypertrophy and impaired wound healing. Lipedema, on the other side, is clinically characterized by the painful edema and symmetrical subcutaneous deposition of adipose tissue in the lower extremities, most commonly affecting women. It is a disease of still unknown etiology, frequently misdiagnosed as obesity, lipohypertrophy/ lipodystrophy or lymphedema. Despite the pathomechanism of the disease remains elusive there is evidence that the lymphatic system plays a significant role in the onset or development of the disease. In his talk, Dr Gousopoulos will present the key findings regarding the mechanisms associated with these diseases. He will address the role of the lymphatic system in the progress of these diseases as well as its potential therapeutic implications.

About the Speakers

Dr Epameinondas Gousopoulos has a dual education in medicine and science. He completed his medical education in Greece and Germany and continued with a MSc in Biology at the University of Zurich. He received his PhD from the Swiss Federal Institute of Technology (ETH) Zurich. His worked focused on the dysfunction of the lymphatic system and the mechanisms underlying lymphedema onset and development. Following his PhD, Dr Gousopoulos returned to the clinics maintaining in parallel his research activities as Principal Investigator at the University Hospital Göttingen in Germany and as Research Fellow at the ETH in Zurich. Besides his

clinical and scientific appointments, Dr Gousopoulos is a patient advocate, responsible of the Europe Chapter of the Lymphatic Education and Research Network (LE&RN) and member of the WEF Global Shapers Community.

--- Admission is free and all are welcome ---