DUKE NUS GRADUATE MEDICAL SCHOOL SINGAPORE

**Signature Seminar Series**

# NOVEL MECHANISMS OF THYROID HORMONE REGULATION OF HEPATIC LIPID AND GLUCOSE METABOLISM

**ABOUT THE LECTURE**

*Non-alcoholic fatty liver disease (NAFLD) is now the major cause of liver disease worldwide. Currently, there are no effective drug treatments for NAFLD. Thyroid hormone (TH) is a potent stimulator of hepatic lipophagy, β-oxidation, and mitophagy. Similar results are seen with caffeine to decrease fatty liver. We also have identified a novel TH-mediated pathway involving Fox01 de-acetylation by SirT1. These newly identified actions of TH present new potential targets to treat NAFLD.*

**Speaker:** **Associate Prof Paul Michael Yen**
*Associate Professor, Cardiovascular and Metabolism Disorders Program*
*Duke-NUS Graduate Medical School*

**Host:** **Prof Stuart Cook**
*Professor, Cardiovascular and Metabolism Disorders Program*
*Duke-NUS Graduate Medical School*

**Date:** **Tuesday , 29 October 2013**

**Time:** **12.00 PM — 1.00 PM**
**(Light refreshments will be served at 11.30 AM)**

**Venue:** **Duke-NUS Graduate Medical School**
**Amphitheatre, Level 2**

**Contact Person:** **Ms Cynthia Lim, Duke-NUS Research Affairs Department**
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**ABOUT THE SPEAKER**

*A/Prof. Yen directs the Laboratory of Hormonal Regulation in the Cardiovascular and Metabolic Disorders Program, Duke-NUS GMS. A U.S. board-certified endocrinologist, he received his medical/research training at Johns Hopkins, UChicago, and NIH. He previously was a faculty member at Harvard, NIH, and Johns Hopkins. He has served on the editorial boards of Endocrinology, Molecular Endocrinology, and Thyroid and has received several awards from the Endocrine Society for his research.*



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