

Obesity: A Modifier of Immunity and Inflammation in the Lung

LOCATION: TRAPP FAMILY LODGE



OCTOBER 21, 2011
STOWE, VT



The world is in the midst of an unprecedented epidemic of obesity. With this epidemic has come a dramatic change in the presentation of common diseases: type 2 diabetes and hypertension have gone from being diseases of the elderly to diseases that may occur in childhood. We are only just beginning to understand the impact of obesity on pulmonary disease. Obesity was once considered just as a mechanical factor that could alter pulmonary physiology secondary to mass loading. It is now apparent that obesity can lead to profound changes in immunity and inflammation, having direct effects on a wide range of pulmonary diseases, including asthma, COPD, pneumonia, and acute lung injury.

We have invited leading researchers in obesity and lung disease from across the United States and the Netherlands to attend a meeting on obesity and lung disease. The purpose of this meeting will be to review the current state of knowledge pertaining to the effects of obesity on immunity and inflammation in the lung, with the ultimate goal to identify priorities for new research in this field. In addition you will experience the spectacular fall foliage of Vermont at a top notch resort.

Program Organizers: Benjamin Suratt, MD, Anne Dixon, BM, BCh, and Lennart K.A. Lundblad, PhD, - University of Vermont
Preliminary Agenda: The presentation schedule & titles are tentative and subject to change in the final program.

Thursday, October 20, 2011

7:00 pm **Welcome Dinner**

Friday, October 21, 2011

7:30 – 8:30 am **Registration & Breakfast**

8:30 – 8:45 am **Welcome & Opening Remarks**

8:45 – 9:25 am

The Effect of Obesity on Neutrophil Biology in the Lung

Benjamin Suratt, MD – University of Vermont

9:25 – 10:00 am

Obesity and Respiratory Infections: Does Adiposity Weigh Down Host Defense?

Peter Mancuso, PhD - University of Michigan

10:00 – 10:20 am **BREAK**

10:20 – 11:00 am

Fat, Fire and Muscle - The Role of Adiponectin in Lung Inflammation and Remodeling

Benjamin Medoff, MD - Massachusetts General Hospital

11:00 – 11:40 am

Adiponectin in the Development of Acute Lung Injury

Ross Summer, MD - Boston University

11:40 – 12:20 pm

Effects of Cholesterol on Pulmonary Inflammation and Host Defense

Michael Fessler, MD – NIEHS/NIH

12:20 – 1:30 pm **LUNCH**

1:30 – 2:10 pm

Obesity and Asthma: Lessons from Animal Models

Stephanie Shore, PhD - Harvard School of Public Health

2:10 – 2:40 pm

Effect of Weight Loss on Airway Physiology and Asthmatic Inflammation

Anne Dixon, BM, BCh - University of Vermont

2:40 – 3:10 **AFTERNOON TEA**

3:10 – 3:50 pm

Is Aerobic Metabolic Capacity a Determinant of Susceptibility to COPD?

Christopher Stevenson, PhD - Hoffman La-Roche

3:50 – 4:30 pm

Leptin and Smoking-Related Lung Disease

Juanita Vernooy, PhD - Maastricht University

4:30 – 4:50 pm **Closing Remarks**

7:00 pm **RECEPTION & DINNER**

Saturday, October 22, 2011 Breakfast

SYMPOSIUM INFORMATION:

Contact: lisa.antolick@crl.com or 1.781.222.6111

Coming Soon Online At: www.criver.com/info/PRGoct11

LOCATION:

Trapp Family Lodge, 700 Trapp Hill Road Stowe, VT 05672

Reservations: 800.826.7000 Phone: 802.253.8511

On-line: reservation@trappfamily.com

Special Rate: \$198.00 until August 21, 2011

Group Code #50C4A3