

# AVVISO SEMINARIO

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## **De novo lipogenesis in the liver in health and disease**

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Biblioteca sez. Oncologia Patologia Molecolare  
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Understanding how fat metabolism is regulated in the human body is essential to understanding a number of the major pathologies and disorders effecting human health including type II diabetes, obesity, atherosclerosis and fatty liver disease. The incidence of both type II diabetes and obesity are rising rapidly across the globe as a result of over nutrition.

The aim of the Griffin group is to understand the regulation of lipid metabolism and its interplay with health and diseases of over nutrition. To address this, they have developed analytical chemistry techniques, including methods using mass spectrometry and high resolution NMR spectroscopy, to analyze a wide range of metabolites in cells, tissue or biofluids as part of a metabolomic approach to defining disease processes.

The Griffin group is also actively involved in the designing of bioinformatic and database tools for metabolomics and lipidomics.

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