



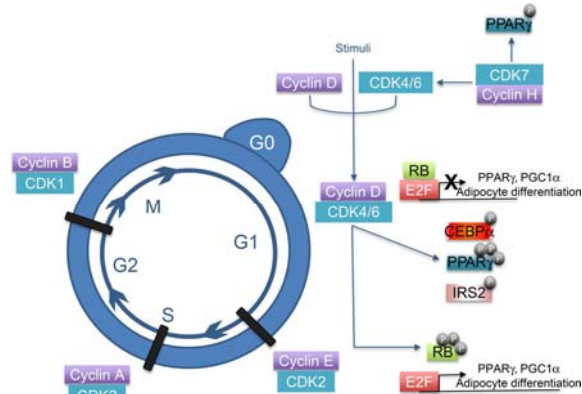
CDK4, CYCLING THROUGH METABOLISM

GUEST LECTURE by



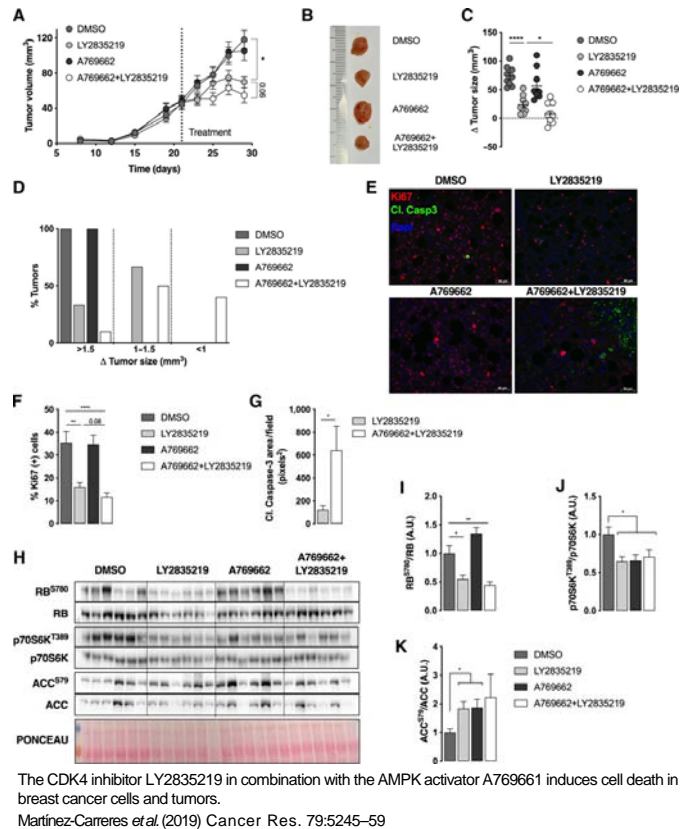
Prof. Dr. Lluís Fajas Coll
 Center for Integrative Genomics,
 University of Lausanne, Switzerland
 Thursday, 13.02.2020
 16:00

MC1.G.01.005 (SR 01 – Applied Biomedicine;
 MED Campus, tract G, 1st floor), MUG



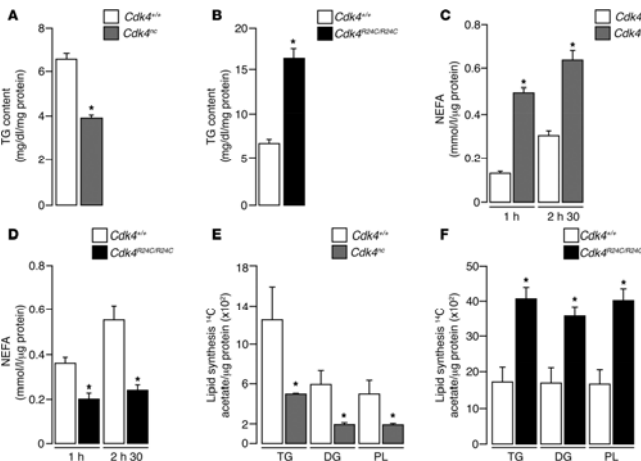
Cell cycle regulators participate in adipose tissue function and whole body energy metabolism.

Lopez-Mejia *et al.* (2018) *Cell Mol Life Sci.* 75:975-87



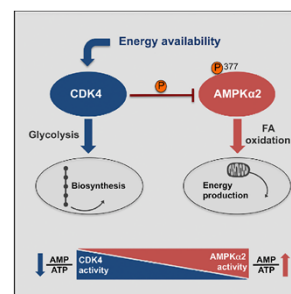
The CDK4 inhibitor LY2835219 in combination with the AMPK activator A769661 induces cell death in breast cancer cells and tumors.

Martinez-Carreres *et al.* (2019) *Cancer Res.* 79:5245–59



CDK4 represses lipolysis and is a positive modulator of lipogenesis.

Lagarigue *et al.* (2016) *J Clin Invest.* 126(1):335-48



CDK4 phosphorylates AMPKα2 to inhibit its activity and repress fatty acid oxidation.

Lopez-Mejia *et al.* (2017) *Mol Cell* 68:336–49