FWF Der Wissenschaftsfonds.

Doctoral College
Metabolic & Cardiovascular Disease

Medical University of Graz

UNI GRAZ TU Graz Graz University of Technology

AMP-ACTIVATED PROTEIN KINASE:
A KEY REGULATOR OF METABOLISM

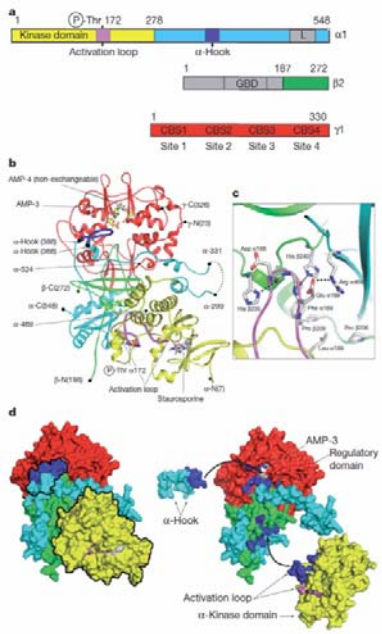
GUEST LECTURE by

Prof. Dr. David Carling

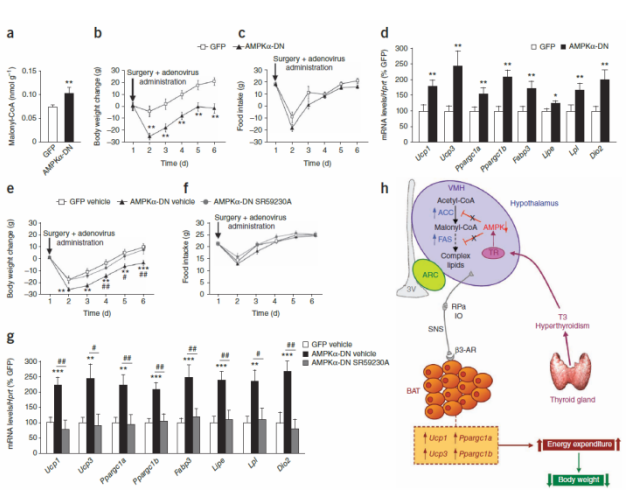
MRC Clinical Sciences Centre, Faculty of Medicine, Imperial College London, UK

Tuesday, 26.04.2016
17:00

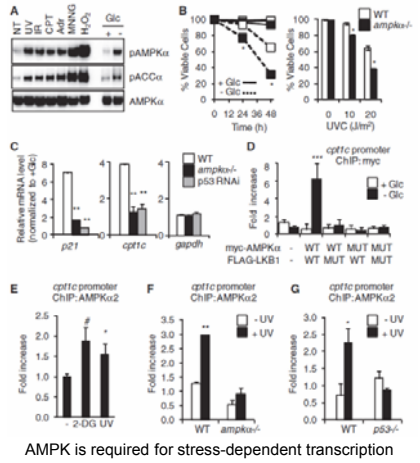
Lecture Hall, Department of Pathology, MUG (Auenbruggerplatz 15, ground floor)



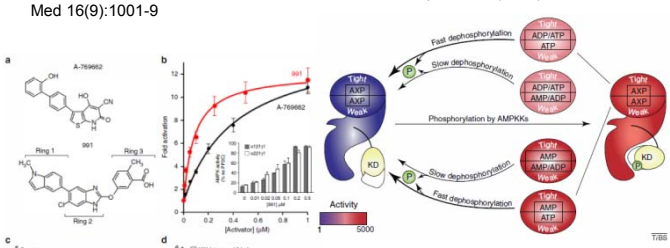
Crystal structure of active mammalian AMPK. Xiao et al. (2011) Nature 472:230-3



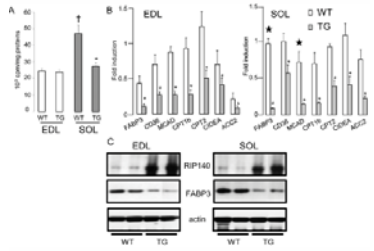
Effects of selective inactivation of AMPK in the VMH. Lopez et al. (2010) Nature Med 16(9):1001-9



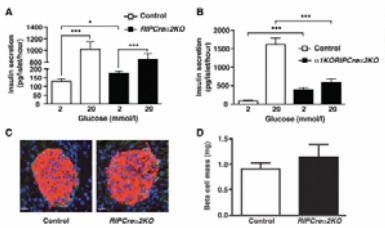
AMPK is required for stress-dependent transcription and localizes to stress-responsive genes. Bungard et al. (2010) Science 329:1201-5



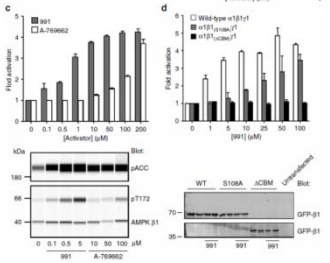
Model for regulation of AMPK by adenine nucleotides. Hardie et al. (2011) Trends Biochem Sci 36(9):470-7



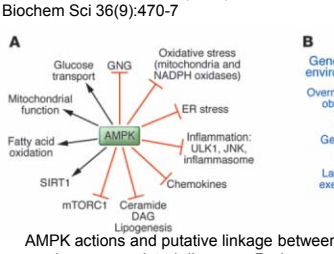
Exogenous expression of RIP140 inhibits fatty acid utilization in the soleus. Fritah et al. (2012) PLoS ONE 7(2):e32520

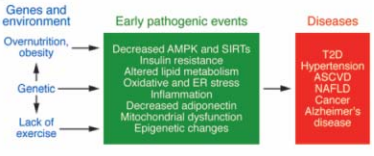


Defective GSIS in isolated islets from mice lacking AMPK catalytic α subunits. Beall et al. (2010) Biochem J 429:323-33



Regulation of AMPK *in vitro* and in HEK293 cells. Xiao et al. (2013) Nature Commun 4:3017





AMPK actions and putative linkage between decreased AMPK activity and metabolic syndrome-associated diseases. Ruderman et al. (2013) J Clin Invest 123(7):2764-72