Course in Mitochondrial Metabolism and Cancer November 3-6 2010
EuroMediterranean University Center, Ronzano, Bologna (Italy)

Organizer: European Genetics Foundation
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Wednesday, November 3rd
Morning Session: Bioenergetics and metabolism of cancer cells

08:30 Course Registration
09:00 J. Cuezva The Bioenergetics signature of Cancer
09:45 R. Rossignol From bioenergetics to the metabolic regulation of carcinogenesis
10:30 Coffee break
11:00 E. Gottlieb Mitochondrial tumor suppressors: A genetic and biochemical link between metabolism and cancer
11:45 H. Simonnet Energy metabolism in proliferation and high nutrient demand
12:30 Poster Viewing
13:00 Lunch break

Afternoon Session
14:30 Concurrent Workshops
15:30 Coffee break
16:00 Concurrent Workshops

Thursday, November 4th
Morning Session: Impact of mitochondria and mitochondrial genes dysfunction on cancer cells

09:00 E. Gottlieb Metabolic sensors in cancer: from oxygen to amino acid sensing
09:45 G. Gasparre mtDNA mutations in the metabolic adaptation of cancer cells: learning from oncocyotic tumors
10:30 Coffee break
11:00 A. J. Enríquez Respiratory chain defects and cancer development
11:45 K. Singh Epigenetic and Genetic Changes Induced by Mitochondrial Dysfunction and its role in Tumorigenesis
12:30 Poster Viewing
13:00 Lunch break

Afternoon Session
14:30 Concurrent Workshops
15:30 Coffee break
16:00 Concurrent Workshops

Friday, November 5th
Morning Session: Mitochondria-related molecular pathways in cancer

09:00 M. Giorio Mechanism of mitochondrial ROS production, signalling for cell death and proliferation, side effects associated to mutagenesis and transformation
Cells lacking fumarase are protected from apoptosis through a HIF independent, AMPK dependent mechanism.