



Biochemical Society-UCL CfMR Mitochondrial Lecture Series

Anu Suomalainen-Wartiovaara

‘Building and burning: mitochondrial dysfunction remodels anabolic biosynthesis and stemness’



Anu Suomalainen, MD PhD, is Sigrid Jusélius Professor of Molecular Medicine in University of Helsinki and the director of Molecular Neurology Research Program of Biomedicum-Helsinki Research Institute. She trained in University of Helsinki, as well as in Columbia University, NYC, and McGill University, Montreal. Recently she served as a visiting professor in University of California Berkeley. Her research group belongs to FinMIT Centre of Excellence of the Academy of Finland. Her research combines basic biological approaches to clarify molecular pathogenesis of disease. Her scientific mission is to develop cure for progressive, currently untreatable mitochondrial disorders of brain and muscle. To reach this goal her group has generated a wide selection of disease models, both model organisms and human materials, and utilize these to clarify molecular pathogenesis. Their recent data show that primary mitochondrial dysfunction modifies major biosynthetic pathways in the cytoplasm and

affect cell differentiation pathways and genome maintenance in cell-autonomous and non-autonomous manners. The pathways have relevance for neurodegenerative disorders and offer variable targets for intervention.

A.V. Hill Lecture Theatre, October 20th, 4.30pm

followed by reception @

PhD Common Room (Starling, Room 249)

<http://mitochondria.cs.ucl.ac.uk/cfmr/>