

Navid Sahebekhtiari, PhD student at the Department of Clinical Medicine, Research unit for molecular medicine, will defend his PhD dissertation with the title: "Elucidation of the Molecular Effects of ETHE1 deficiency by Proteomics and Metabolomics".

In his dissertation, Navid Sahebekhtiari has applied state of the art methods of proteomics and metabolomics in two model systems –knock out mice and fibroblast cell cultures from patients– to elucidate molecular effects of a mutation in the mitochondrial persulfide dioxygenase, causing ethylmalonic encephalopathy. The PhD project results revealed wide and complex biochemical and physiological effects of the enzyme deficiency on several cellular processes such as redox homeostasis, metabolic reprogramming, and cell growth.

The public defense takes place on 13-11-2015 at 13:00 in Auditorium, ground floor at Science Center Skejby, Brendstrupgaardsvej 21, Aarhus N.

For more information contact PhD student Navid Sahebekhtiari, +45 50559477  
[navid.sahebekhtiari@clin.au.dk](mailto:navid.sahebekhtiari@clin.au.dk) or Assoc Prof Johan Palmfeldt, [johan.palmfeldt@clin.au.dk](mailto:johan.palmfeldt@clin.au.dk)