

Zahra Nochi, PhD student at the Department of Clinical Medicine, Research unit for molecular medicine, will on 03 February 2016 defend her PhD dissertation with the title: "Deciphering the balance between survival and death mechanisms and vulnerability to oxidative stress in short and medium-chain acyl-CoA dehydrogenase deficiencies".

In her dissertation, Zahra Nochi has focused her studies on medium-chain and short-chain acyl-CoA dehydrogenase deficiency (MCADD and SCADD). MCADD and SCADD are autosomal recessive disorders of fatty acid oxidation (FAO) where MCADD is the most frequent FAO defect. The first study investigates whether lipoic acid (LA) increases and plays a protective role as an anti-oxidant in MCADD. The second study investigated whether temperature elevation and glucose starvation in SCADD shift the homeostatic balance to a more rapid death, and whether treatment of the cells by agents, that induce survival mechanism, can prevent cellular death.

The defense is public and takes place in Auditorium, ground floor at Science Center Skejby, Brendstrupgaardsvej 21, Aarhus N at 14:00.

For more information contact PhD student Zahra Nochi, 50559530, z.nochi@clin.au.dk