

Experimental report

03/03/2021

Proposal: DIR-145

Council: 4/2016

Title: The effect of temperature on the overall conformation of a membrane-bound P450 enzyme in MSP1E3D1-DLPC-based nanodiscs.

Research area: Soft condensed matter

This proposal is a continuation of 8-05-413

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Samples: CYP71 in nanodiscs based on MSP1E3D1 and DLPC

Instrument	Requested days	Allocated days	From	To
FIGARO	2	2	08/06/2016	10/06/2016

Abstract:

Data from this experiment was collected under unoptimal conditions since it was too hot and it was not possible to cool down the cell below 13 degrees celcius. We tried with several water baths and all broke down. We collected data, but our previous work suggested we needed to cool down to around 8 degrees to form dense films. We did not form dense films because it was not possible to cool below 13 degrees celcius. We requested this beamtime as director discretion since the PhD student Viven Jagalski was finishing that fall. The project is now finished and we have no resources to repeat this experiment.