

4 tasks:

- Platform for model biological membranes Task 1
- Specific sample environments for soft materials
 - Kinetic & Dynamics experiments Task 2
 - Humidity chamber with sample changer Task 3
 - Cryogen free cryostat with sample changer Task 4

Milestones, Deliverables and reports

1st report in July 201

References

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Task / Deliverable / Milestone	DETAILS	Partners in charge of task	Start month	End month	Type of deliverable
Task 20.1	A platform for model biological membranes	ILL*, STFC, CEA	1	48	
M 20.1.1	Optimization of model bilayer systems including natural membrane lipids	ILL, STFC	1	36	
M 20.1.2	Set up a lipid extraction facility to extract and fractionate membranes from real cells	ILL	1	18	
D 20.1.1	Protocols for reliable reconstitution of membrane proteins	STFC	12	48	Report
D 20.1.2	D lipids extraction. Characterization of biomembranes with scattering and complementary techniques.	ILL, STFC, CEA	1	48	Report

Task / Deliverable / Milestone	DETAILS	Partners	Start month	End month	Type of deliverable
Task 20.2	Kinetic/dynamic measurements in periodic external fields	JCNS*,CEA,ILL	1	48	
M 20.2.1	Designs of new stop flow observation heads for SANS.	ILL	6	18	
M 20.2.2	Conception and design of MA-LS setup	JCNS,ILL,CEA	1	18	
M 20.2.3	Design an electric field cell for SANS	CEA	1	18	
M 20.2.4	Conception and design of a pressure cell for NSE	JCNS, CEA	18	36	
D 20.2.1	Tests of MA-LS prototype setup	JCNS, ILL,CEA		24	Report
D 20.2.2	Tests of new stop flow observation heads for SANS.	ILL		30	Report
D 20.2.3	Prototype of pressure cell for NSE. Tests	JCNS, ILL,CEA		48	Report
D 20.2.4	Prototype of EF for SANS. Tests. Design of EF for TOF.	CEA	18	48	Report

Task / Deliverable / Milestone	DETAILS	Partners in charge of task	Start month	End month	Type of deliverable
Task 20.3	Humidity chamber	HZB*, ILL, JÜLICH	1	48	
M 20.3.1	Specifications of the next-generation humidity chambers. Drawings and procurement of components for humidity chambers	HZB, ILL	1	36	Drawings and Report
D 20.3.1	Assembly of the humidity chamber. Tests	HZB, ILL, JÜLICH	36	48	Report



Milestones & Deliverables of Task 4

Task / Deliverable / Milestone	DETAILS	Partners in charge of task	Start month	End month	Type of deliverable
Task 20.4	Cryogen-free cryostat with sample changer	ILL, TUM* , STFC change	1	48	
M.20.4.1	Design and performance estimations of cryostats with sample changer.	ILL, TUM	1	36	Report
D 20.4.1	Drawings of the cryostat.	ILL, TUM, STFC		48	Report