



**Consorcio para la Construcción,
Equipamiento y Explotación del
Laboratorio de Luz Sincrotrón - CELLS**

PROPOSAL FOR JEMCA EXPERIMENTS

CONFIDENTIAL DOCUMENT

Scientific General Part:

Title			
Keywords:			
Research Type of the proposal:	Academic		
Research area of the proposal:	Choose One		
Discipline:	Choose One		
Industrial Relevant:	NO	YES	(mandatory response)
Type of Scientific Proposal:	Choose One		
Proposal type:	Choose One		
Proposal ID: To be filled in by User Office			
Period:	2023-II		
Societal challenge:	Choose One		
Proposal definition:	Choose One		
If this proposal is continuation of another, please specify the previous ID:			an experimental report must exist in order to properly evaluate the continuation of the proposal



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If it is resubmission of another, please specify the previous ID, and resume how the proposal has changed:	Previous ID	
	Resume of how the proposal has changed	
	You can also attach a PDF file with full explanation of resubmission (4MB and 4pg max). If you attach a PDF file, the description field should mention "See attached pdf file"	
Report of proposals which are related to this one:		

Proposer Description:

Main Proposer	
Co-proposers Checkbox	Ok all co-proposers have been informed of the co-authorship of this proposal
First and last name	
Home organization name	
Country	
Email	

Co-proposers 1	
First and last name	
Home organization name	
Country	
Email	

Co-proposers 2	
First and last name	
Home organization name	
Country	
Email	

Co-proposers 3	
First and last name	
Home organization name	
Country	
Email	



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Co-proposers 4

First and last name	
Home organization name	
Country	
Email	

Instrument Requirements:

Requested instrument:	Choose One
Sessions requested:	

<https://www.cells.es/en/users/call-information-1/bases/regulatory-bases-user-access>

Comments about the number of sessions	
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Other Experiment Requirements:

Unacceptable dates	
Preferred dates	

Proposal framework:

Do you have any "Plan estatal/nacional" research grants? If yes, please provide on going research project codes.	NO	YES
Do you have any "Horizon 2020" and/or EC related research grants? If yes, please provide on going research project codes.	NO	YES
Do you have any other research grants? If yes, please provide on going research project codes.	NO	YES
Is the proposal in collaboration with an industrial group? If yes, state the collaboration title, starting date and ending date.	NO	YES
Does this proposal have any industrial involvement or sponsorship? This information is used only for statistical purposes. Your answer will not affect your proposal.	NO	YES



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Is the proposal a significant part of PhD thesis? If yes, give a reference title.	NO	YES
Is the main proposer an early career researcher (obtained Ph.D. within the last ten years)?	NO	YES

List of most relevant publications or patent references of all co-proposers with data taken in ALBA (5 maximum). All publications should be Included in our database inside your user account		
	Publications from previous experiments in ALBA will be considered for evaluation and must be available in ALBA User Office Publications, please register your publications first if you hadn't done it yet.	

Have you or any co-proposer published from previous submitted IDs? If yes, consult evaluated proposals to know the IDs of previous calls and confirm IDs with publications.	NO	YES
Can you guarantee the required resources to perform this experiment according to the experimental plan as described in the experimental plan?	NO	YES
The Main Proposer is guaranteeing the data availability according to the data policy of the Main Proposer Home	NO	YES

Scientific and Experimental description

Abstract of proposed experiment

Abstract (300 words as a rough guide)	
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Description of proposed experiment

Description

Maximum 2000 words for
Standard and 3000 words
for Long Term and BAG

Samples, Substances and Equipment

General remark

It is the responsibility of the main proposer to identify and to detail any hazard due to samples, equipment, chemical materials that will be brought to the facility for his/her experiment. This will be checked by the instrument scientists and/or evaluation committee and/or the Safety Officer as appropriate. Failure to complete correctly could endanger the start of an experiment particularly if there are significant safety implications, so please look through the full list of options. The conditions and the processes involved for the whole duration of the experiment must be considered (from the ALBA access to any waste disposal), for all the equipments/materials involved or products (or sub-products). Access may be denied for safety reasons. Do not leave any empty answers. If a question is irrelevant, please fill with "not applicable".



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Special note for Long Term Proposals (LTPs)

If you need to add samples to your proposal, it is mandatory that samples and equipment that have safety implications are declared with sufficient time in advance to take protective actions for their handling. Failure to comply may result into cancellation of beam time.

List of samples

Instrument and other areas of presence at ALBA Synchrotron:

Detail the instrument, the support laboratories (Chemistry, Biology, Materials Science, etc...) and other CELLS spaces where the user will carry out their activities:

Non-biological sample description

Substance	
Brief sample description	
Number of samples	

Safety aspects

The sample you bring is:	Choose (multiple choice)	
	Radioactive	Specific target organ toxicity
	Explosive	Hazardous by aspiration
	Flammable	Hazardous to the aquatic environment
	Oxidizing	None
	Self-reactive substance/mixture	
	Pyrophoric	
	Self-heating substance/mixture	
	Water-reactive	
	Organic peroxide	
	Corrosive to metals	
	Toxic (inhalation, swallow, contact)	
	Skin/eye corrosive/irritant	
Respiratory/skin sensitive		
CMR (mutagen, carcinogen, reprotoxic)		



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Is there any danger associated with the proposed sample, with any preparation at ALBA or with sample equipment?	
If in the two previous questions you identified risks, please detail them along with the measures you will take to handle them	
Sample state	Choose One
Comments	
Quantity: mass, volume, thickness, grain size	
Specify holder, container and solution for transportation	
Specify sample environment at ALBA: holder, container, solution for preparation or experiment at the beamline	
Radioactive sample: Isotope, Total activity, Transportation permission needed or Not applicable	
Further safety information related with the sample itself or any preparation process that will be done at ALBA	
Additional information for technical evaluation	
Q-range or 2Theta range This information is mandatory for MSPD	
Detectors to be used This information is mandatory for MSPD	
Other information that may be relevant	



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Attachments

We remind you, you should attach the Material Safety Data Sheet (MSDS) or equivalent document in PDF file.

Further safety information related with the sample itself or any preparation process that will be done at ALBA

Technical information for EM01

Sample components (protein/nucleic acids/ligands)		
Molecular weight (kDa)		
Concentration (μ M)		
Sample volume and buffer composition		
Has the sample been analyzed by negative staining?	NO	YES
	If yes attach pdf of the images	
Has the sample been pre-viewed in a CryoEM?	NO	YES
	If yes attach pdf of the images	

Processes (preparation samples) performed by users during the experiment at ALBA

1. Brief description:
2. Main characteristics:
3. Where are the processes going to be performed (Laboratory name, Experimental Hall area, ...):
4. Safety aspects:
5. Preventive actions to avoid any accident:
6. Personal protection equipment:
7. What to do in case of an accident:



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Equipment and products provided by ALBA during the experiment

Sample environment: list of equipment provided by ALBA

Access to Alba Laboratories

Choose the laboratories you need to access once in ALBA

Choose One

Describe the activities in the laboratory and specify the list of required equipment and safety remarks for each support laboratory's site and for the transportation from each support laboratory to JEMCA facilities.

Safety Issues: Declare if you will use syringes, needles or cutting tools

Equipment brought by the users during the experiment at ALBA

List of equipment brought by the users.

For each piece of equipment, please provide: brief description, main characteristics, connection requirement (voltage, current, air compressor, etc), safety aspects, preventive actions to avoid accidents and required PPE

Chemical products brought by the users during the experiment at ALBA

List of chemical products brought by the users:

For each chemical product brought, please provide: material Safety Data Sheet (MSDS) or equivalent document's attachment reference (Attachment tab), quantity, how to implement the preventive actions and required PPE

Proposal attachments

Before completing the proposal, if necessary, consult these links: <http://www.cells.es/en/beamlines>
<http://useroffice.cells.es/endstationbeamline>

The yellow fields are mandatory.