

WG2 Joint Research Projects



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WG2 Joint Research Projects

Main themes within the WG

- Grant watch team (=> see website)
- Project List (=> see website)
- Sub working groups in WG2 for
 - 'Interactions'*
 - 'Membranes'*
 - 'Cells'*
- Focus area “Membranes”, led by Isabel Alves
- Group of people working on an IR Data repository
- Preparing collaborative grants

WG2 Joint Research Projects

Examples of output

- Visegrad grant for Nadica Ivosevic DeNardis and colleagues from three other ARBRE-MOBIEU countries. => Triggered by grant watch webpage!
- Several successful joint research projects funded by STSM grants
- First steps in setting up an IR data repository.

WG2 Joint Research Projects

WG 2

Focus Area:
??????
(your name??)

WG 1-7

Grant watch
team

Project list
team

Focus Area:
Membranes
(Isabel Alves)

WG 1-7

Interactions
Research
field team

Membranes
Research
field team

Cells
Research
field team

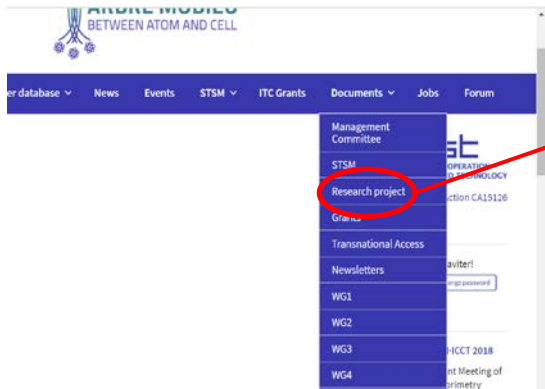
Data
repositories
team

Focus Area:
??????
(your name??)

WG 1-7

Projects Database

Currently: spreadsheet



WG2 Research Projects List

A download button is available at the bottom of the table.
Last update 17/03/2017

Project ID	study type: method development; method testing and comparison; biological question; theoretical understanding; other?	techniques	title	keywords	summary words)
1	method development	SPR/data analysis	Fitting SPR data with Evifit		
2	method development	fluorescence plate readers	data analysis	data analysis, fluorescence, plate readers	Generatic general da
3	method testing and comparison	MST, FCS	Comparing MST and FCS and furthering our understanding of thermophoresis	diffusion thermophoresis	
4	method testing	FA, TIRF, FLIM, FRET, FCCS, STED		interactions, fluorescence	
5	method testing	SPR, ITC, SwitchSENSE, MST		interaction of nucleic acids, small molecules	
6	theoretical understanding	ITC/SPR etc and AFM	Relationship between binding parameters such as affinity and force	binding, affinity, force, comparison	

projects template-new entries or updates keywords

Download [29.85 KB]

Projects Database

*In future: a proper interface for **online entry** and search*

<http://arbre-mobie.eu/Pro>

Research project submission form

Please use the form below to register your research project.

Once the form is completed, press **Submit** and check that the research project uploaded correctly to the ARBRE-MOBIEU database. Please feel free to contact WG2 if you have any questions or comments.

The Project status

Please select from drop down list.

Please select

Research area

Please select from drop down list.

Please select if applicable

Type of research

Please select from drop down list.

Please select

The proposed project makes use of/requires the following techniques:

From the list below please select the instruments which are part of the project. Both those which are already in use, and those requested for the project

Description	Instruments in use	Instruments requested
CD - Circular Dichroism	<input type="checkbox"/>	<input type="checkbox"/>
FTIR	<input type="checkbox"/>	<input type="checkbox"/>
Raman	<input type="checkbox"/>	<input type="checkbox"/>
Stopped Flow	<input type="checkbox"/>	<input type="checkbox"/>
DSF - Differential Scanning Fluorimetry	<input type="checkbox"/>	<input type="checkbox"/>
SPR - Surface Plasmon Resonance	<input type="checkbox"/>	<input type="checkbox"/>
EPR - Electron Paramagnetic Resonance	<input type="checkbox"/>	<input type="checkbox"/>
AFM - Atomic Force Microscopy	<input type="checkbox"/>	<input type="checkbox"/>
Fluorescence Microscopy	<input type="checkbox"/>	<input type="checkbox"/>
MST - Microscale Thermophoresis	<input type="checkbox"/>	<input type="checkbox"/>
DLS - Dynamic Light Scattering	<input type="checkbox"/>	<input type="checkbox"/>
MALS - Multi-Angle Light Scattering	<input type="checkbox"/>	<input type="checkbox"/>
SEC-MALS	<input type="checkbox"/>	<input type="checkbox"/>
ITC - Isothermal Titration Calorimetry	<input type="checkbox"/>	<input type="checkbox"/>
DSC - Differential Scanning Calorimetry	<input type="checkbox"/>	<input type="checkbox"/>
AUC - Analytical Ultracentrifugation	<input type="checkbox"/>	<input type="checkbox"/>
SAS - Small Angle Scattering	<input type="checkbox"/>	<input type="checkbox"/>
DPI - Dual Polarisation Interferometry	<input type="checkbox"/>	<input type="checkbox"/>
XPS - X-ray photoelectron spectroscopy	<input type="checkbox"/>	<input type="checkbox"/>
NMR - Nuclear Magnetic Resonance	<input type="checkbox"/>	<input type="checkbox"/>
Ellipsometry	<input type="checkbox"/>	<input type="checkbox"/>
Electron Microscopy	<input type="checkbox"/>	<input type="checkbox"/>
Mass Spectrometry	<input type="checkbox"/>	<input type="checkbox"/>
Quartz Crystal Microbalance	<input type="checkbox"/>	<input type="checkbox"/>

The proposed project makes use of/requires expertise in the following systems

From the list below, please select the expertise in systems which are part of the project.

Description	Expertise in use	Expertise requested
Nucleic acids	<input type="checkbox"/>	<input type="checkbox"/>

Projects Database

*In future: a proper interface for online entry and **search***

<http://arbre-mobie.eu/Proj>

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ARBRE: Association of Resources for Biophysical Research in Europe

ARBRE MOBIEU BETWEEN ATOM AND CELL

MOBIEU: Molecular Biophysics in Europe

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Project search form

Here you can search for projects in the ARBRE-MOBIEU Research Projects database. Please select from the search criteria below, and press to **Submit** to search.

The Project status
Please select

Research area
Please select

Type of research
Please select

Techniques available
Please select

Techniques requested
Please select


Expertise available
Please select


Expertise requested
Please select

Investigator (project leader or other investigator)
Please select

Outcome
Please select

Submit

 **POLICY STATEMENT:**
Biomedicine and Molecular Biosciences Action CA15128 is funded by COST, which is supported by the EU Framework Programme Horizon 2020.

 **cost**
EUROPEAN COOPERATION
IN SCIENCE AND TECHNOLOGY
COST Action CA15128

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Projects Database

Two purposes: Research and Management

- Finding collaborators for a defined project:
offering expertise, requesting expertise
- Reporting on Collaborations:
WG leaders, Subgroup leaders

Summary: WG2

New Roles within WG2

- Research Area coordinators
- Focus group leaders

Improved Infrastructure

- Already: grants list, continually being updated
- Near release: projects database
- (other WGs: members database, transnational access database)

Ongoing collaborations (examples)

- Nadica Ivosevic deNardis with three other groups (funded)
- IR data repository