



FP7 Partner Profile Form

CONTACT DETAILS

Organisation		Contact person	
Organisation Name	Institut Pasteur de Montevideo	Name/ Surname	Jose L. Badano
Department	Molecular Human Genetics Laboratory	Gender	<input checked="" type="checkbox"/> M <input type="checkbox"/> F
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ORGANISATON TYPE

Research Organisation Type	<input checked="" type="checkbox"/> Research Organisation	Is your company a Small and Médium Sized Enterprise (SME*)? Number of employees:	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Company		
	<input type="checkbox"/> Other (please specify)		

Description of activity:

In the laboratory we are focused on studying the biology of primary cilia to understand both how this organelle regulates cellular homeostasis and why its dysfunction results in human disease. Ciliary dysfunction underlies the pathogenesis of a broad group of human disorders collectively known as ciliopathies that are characterized by a number of phenotypes including retinal degeneration, cystic kidney disease, obesity, and diabetes. One model that we study in the laboratory is Bardet-Biedl syndrome (BBS), a genetically heterogeneous disorder for which 16 genes have been cloned to date. The BBS proteins tested to date localize to centrosomes, basal bodies and in some cases the ciliary compartment and defects in this group of proteins can result in both structural and functional ciliary defects such as the misregulation of the Wnt signaling pathway. In the context of the Wnt signaling cascade, the BBS proteins appear to modulate the balance between the canonical/ β -catenin dependent and non-canonical or planar cell polarity (PCP) pathways. In the laboratory we do molecular and cell biology studies in both in vitro and in vivo models to further understand the exact role of these group of proteins both in the context of the cilium as well as outside of it.

Former participation in an FP European project?

YES NO

Project title/ Acronym:

Activities:

*Your enterprise is an SME if:

-it is engaged in **economic activity**

-it has less than **250 employees**

-it has either an **annual turnover not exceeding €50M**, or an **balance sheet total not exceeding €43M**

-It is **autonomous**

For the definition of SMEs, look at:

[Hhp://ec.europa.eu/enterprise_policy/sme_definition/index_en.htm](http://ec.europa.eu/enterprise_policy/sme_definition/index_en.htm)



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EXPERTISE/COMMITMENT OFFERED

Keywords specifying the expertise:

Cilia, ciliopathies, human genetics, cell biology

Description of the expertise:

In the lab we have expertise in cell and molecular biology and use both in vitro and in vivo (zebrafish and mice) models.

Commitment offered:

Research Demonstration Training
 Technology Dissemination Other:

Interested in participation in Project types

<input checked="" type="checkbox"/> Large-scale integratin collaborative project	<input checked="" type="checkbox"/> Small or médium-scale focused research collaborative project	<input type="checkbox"/> Targeted to SMEs	<input type="checkbox"/> Other
<input type="checkbox"/> Coordination and Support Action	<input type="checkbox"/> Network of Excellence	<input type="checkbox"/> Research for the benefit of SMEs	

Call references:

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Dr. Luis Barbeito. barbeito@pasteur.edu.uy

EXPECTATIONS



Expected results for your Organisation:



Establish active scientific collaborations with European partners to catalyze ambitious scientific endeavours and facilitate the training of students.