



Instituto de Investigación en Biomedicina de Buenos Aires  
CONICET – Partner Institute of the Max Planck Society

## RESEARCH GROUP LEADER POSITIONS

In the frame of the collaborative initiative between the Max Planck Gesellschaft (MPG) and CONICET, that takes place between the IBioBA- CONICET- Max Planck Partner Institute, the MPI of Molecular Physiology, Dortmund, the MPI for Biophysical Chemistry, Göttingen and the MPI for Metabolism Research, Cologne, there are three Research Group Leader positions opened in the areas of:

Two (one at IBioBA, the other at the MPI of Molecular Physiology, Dortmund), in:  
Molecular Dynamics of Cell Fate Decision

We are seeking two group leaders that will experimentally investigate the molecular dynamics of cell fate decisions in a collaborative program of the MPG between Argentina and Germany. One position will be located in the Max Planck Partner Institute IBioBA in Buenos Aires, Argentina, and one position in the department of Systemic Cell Biology at the MPI for Molecular Physiology in Dortmund, Germany ([http://www.mpi-dortmund.mpg.de/10065/Ueber\\_Institut](http://www.mpi-dortmund.mpg.de/10065/Ueber_Institut)). The applicants should have a research interest in the architecture and dynamics of intracellular signaling networks and how these interact with developmental processes and thereby define identity of healthy and diseased tissues. Ideally, they have a background in experimental life sciences at the interface between molecular biology and applied physics. Typical research topics could be but are not limited to: contextual plasticity of signaling network architecture in tissue development, spatial patterns of proteome activity in multicellular assemblies, the recursive relation between cytoplasmic network states and cell-cell interactions and self-organization of developing tissues in relation to intracellular protein network patterns. The selected candidates will be responsible to maintain a strong scientific interaction between the two institutions and will be involved in the multi-disciplinary training of junior scientists in molecular biology as well as applied physics.

One at IBioBA in:

Metabolic signatures, in collaboration with the MPIs for Biophysical Chemistry, Göttingen and for Metabolism Research, Cologne.

The applicants should have a research interest in metabolism. His research will focus on the understanding of new signals and transduction pathways involved in the regulation of genes involved in metabolic pathways and energy homeostasis as well as its impact in metabolic diseases. Qualitative and quantitative biochemistry methods for the systemic analysis of those mechanisms at the cellular level, will be used. The selected candidate will work in close collaboration with the Departments of Neural control of metabolism in the MPI in Cologne, and Molecular Developmental Biology in the MPI of Göttingen.

The candidates should hold an advanced degree in either (bio)chemistry, biology, physics or a related discipline and have at least two years post-doctoral experience. The positions are for a Research Group Leader position limited to 5 years with the possibility of extension after successful evaluation and considering labor law-related and financial requirements. The support includes average salary for the group leader and staff, based (at IBioBA) on the CONICET rules and salary scale, as well as support for running a research group. Detailed description of the position in Dortmund: [http://www.mpi-dortmund.mpg.de/3195184/job\\_full\\_offer\\_9013604?c=2285](http://www.mpi-dortmund.mpg.de/3195184/job_full_offer_9013604?c=2285).

The MPG and CONICET are committed to increasing the number of individuals with disabilities in its workforce and therefore encourage applications from such qualified individuals.

The MPG and CONICET seek to increase the number of women in those areas where they are under-represented and therefore explicitly encourage women to apply.

Applications, indicating to which position, and including curriculum vitae, list of publications, and an outline of previous (1 page) and future research objectives (2 pages) as well as names of referees should be sent electronically as one file by **May 2, 2015** to [rg2015@ibioba-mpsp-conicet.gov.ar](mailto:rg2015@ibioba-mpsp-conicet.gov.ar).

Short-listed candidates will be invited to a one-day symposium at which they will have the opportunity to present their research to a Max Planck- CONICET commission. Date and place of the one-day symposium: **July 13, 2015**, IBioBA, Buenos Aires. For further information please contact: [rg2015@ibioba-mpsp-conicet.gov.ar](mailto:rg2015@ibioba-mpsp-conicet.gov.ar)