



Lagrange Thesis Fellowships

The newly established Institut Lagrange de Paris (ILP) invites applications for the first class of Lagrange thesis fellowships. These fellowships will include a gross salary of EUR 25,000/year (approx. \$35,000/year) for three years and will include generous travel and research funds. The first Lagrange thesis fellows are expected to start in the Fall semester of 2012.

The Lagrange Institute (Institut Lagrange de Paris, ILP), established in 2011, unites research groups from the Université Pierre et Marie Curie (UPMC) and CNRS, mainly from the Institut d'Astrophysique de Paris, the Laboratoire de Physique Nucléaire et Hautes Energies, and the Laboratoire de Physique Théorique et Hautes Energies with internationally recognized research programs in theoretical and observational cosmology, (astro-)particle physics, and theoretical and experimental high energy physics. The Institute's mission is to advance foundational questions on the origin, constituents, dynamics, and fate of the Universe.

The ILP will further expand its already first-rate visitor's program by establishing a series of Lagrange Prizes, enabling leaders in the research themes of the Institute and their groups to spend extended periods of time at the ILP.

Successful candidates will have demonstrated academic excellence, outstanding potential for creative research, and leadership qualities.

Lagrange thesis fellows will be immersed in an internationally visible, world-class research environment in terms of intellectual, and computational resources and the involvement in the world's leading astronomical observations and particle physics experiments.

The Lagrange thesis fellows will be enrolled in a doctoral school of the Université Pierre et Marie Curie, part of Sorbonne Universités with access to intensive short courses in cutting-edge areas of the field, such as dark matter and dark energy research, theoretical and experimental particle physics, recent advances in quantum field theory and string theory. Special short courses will be offered in emerging research methods such as astrostatistics, discovery in peta-scale data sets, and novel computational paradigms. The Lagrange Institute will support yearly summer or winter schools where thesis fellows can meet their future colleagues. All courses will be offered in English and taught by the leading experts in each field – either members of ILP or guest professors, including the Lagrange Prize laureates.

Detailed information about the Institut Lagrange de Paris, its members, its mission, and the Lagrange thesis fellowship program can be found at <http://ilp.upmc.fr>

Applicants should submit their application at <http://ilp.upmc.fr/ThesisFellows> by **January 15, 2012**. They should include course information and grades, a statement of purpose, a curriculum vitae, and a publication list. Three letters of reference should be sent directly to references-phd@ilp.upmc.fr by their authors.