**Job Position title:** PhD in geometry and arithmetic

**Research project/group description**

The research of the group is centered in Symplectic, Algebraic and Arithmetic Geometry. We work on problems ranging from contact geometry and homotopy principles in Symplectic Geometry, moduli spaces, Arakelov and non-Archimedean geometry and the theory of L functions.

The group has seven graduate students and a running seminar as well as several ongoing working groups. The group has an extensive network of international collaborators and hosts many research visitors.

Please contact any of the members of the group for more details on their research and possible PhD topics:

- José Ignacio Burgos Gil, Arakelov Geometry and non-Archimedean Geometry (burgos@icmat.es)
- Tomás Gomez, Algebraic Geometry and moduli spaces (tomas.gomez@icmat.es)
- Daniel Macias Castillo, Number Theory (daniel.macias@icmat.es)
- Francisco Presas, symplectic geometry (fpresas@icmat.es)

**Job position description**

The PhD candidate is expected to participate in the group activities (seminars, courses, conferences, summer schools, young researchers’ workshops, etc.), have regular meetings with his/her supervisor and the research group, and work in the research topic.

**Group Leader:** José Ignacio Burgos Gil

Email: burgos@icmat.es

**Other relevant websites:**

José Ignacio Burgos’s Webpage: [https://www.icmat.es/miembros/burgos/](https://www.icmat.es/miembros/burgos/)

Daniel Macias’s website: [https://sites.google.com/site/danielmaciascastillo/](https://sites.google.com/site/danielmaciascastillo/)

Francisco Presas’s website: [https://sites.google.com/site/franpresas/](https://sites.google.com/site/franpresas/)
Links to the INPhINIT 2020 Incoming Open Call:

Programme description: https://obrasociallacaixa.org/en/investigacion-y-becas/becas-de-la-caixa/doctorado-inphinit/incoming

Application website: https://www.lacaixafellowships.org/index.aspx

Programme rules here.

PhD position finder: https://hosts.lacaixafellowships.org/finder