**Postdoctoral Position in Mathematical Physics / Algebraic Geometry**

**Preamble**
The *Institut de Mathématiques de Bourgogne* at the *Université de Bourgogne* in Dijon, France, is offering a postdoctoral position in Mathematical Physics / Algebraic Geometry for a period of up to two years.

The position is in the framework of the project SupToPhAG, funded by EUR-EIPHI, FEDER-Bourgogne and BFC-Region. The candidate will work with Taro Kimura and/or Daniele Faenzi. Please refer to the web page for more information about the institute: [https://math.u-bourgogne.fr/](https://math.u-bourgogne.fr/)

**Topics**
The project is aimed at several aspects of Mathematical Physics and Algebraic Geometry in a broad sense, most notably:

- Topological phases of matter, topological field theory, higher-order topological insulators;
- Hyper-Kähler geometry and quiver varieties, gauge theory and instantons;
- Derived categories and moduli spaces in algebraic geometry.

**Application**
Candidates must hold a PhD in mathematics or theoretical physics and have a demonstrated ability or potential for high quality research. It is expected that candidates possess a strong background in one or more of the following topics: topological insulators/superconductors, topological field theory, vector bundles in algebraic geometry and their moduli spaces, derived categories, gauge theory, instantons, quivers varieties.

The postdoc position is for one year, possibly renewable, starting as soon as possible and anyway not later than September 2021.

The offered net salary is 2300 euros per month. The application’s deadline is **30 April 2021**.

The applicants should send us:
1. a CV;
2. a short research statement;
3. a contact list of at least two reference persons.

We are willing to answer any inquiry from interested candidates. Please write to both addresses below.

Daniele Faenzi (daniele.faenzi@u-bourgogne.fr)
Taro Kimura (taro.kimura@u-bourgogne.fr)