



Jožef Stefan Institute
Ljubljana, Slovenia



comploids
PHYSICS OF COMPLEX COLLOIDS

PhD position at Jožef Stefan Institute

As a part of the recently launched Marie Curie Initial Training Network COMPLOIDS (www.itn-comploids.eu), a 3-year PhD student position is available immediately at Jožef Stefan Institute in Ljubljana, Slovenia (www.ijs.si). The network includes 12 academic and industrial groups from European Union as well as several associate partners from the US and EU, and it will provide a range of educational and research opportunities focused on the physics of colloids.

The project to be investigated at the Jožef Stefan Institute is in the **theory of colloidal crystals**. By studying their elastic behavior upon compression, we will seek the rationale for the stability of the many non-close-packed crystal lattices of soft colloids which have been observed experimentally. The project will involve the theory of elasticity of isotropic solids, e.g., the contact problem. Most of the work will likely be numerical.

The candidates are expected to have some experience with the theory of elasticity and computational skills including scientific programming as well as an interest in classical mechanics and statistical physics of soft matter. According to EU regulations, candidates should have less than 4 years of research experience and should not have resided in Slovenia for more than 12 months during the past 3-year period.

Please send the application including curriculum vitae to Primož Ziherl (primoz.ziherl@ijs.si). Applications will be considered until the position is filled but the candidates are encouraged to apply at their earliest convenience.