**Job posting**

**Type of position**
- ☒ scientific
- □ administrative

**Target group**
- ☒ graduates
- □ post docs
- □ other

**Title**
Multiple positions for Early Stage Researchers in Marie Skłodowska-Curie ITN “Dynamics of dense nanosuspensions: a pathway to novel functional materials” (nanoPaInt)

**Institution**
nanoPaInt ITN - positions are available at universities, Max Planck Institute and in industry, locations in nine countries

Nanoparticles are ubiquitous in many applications; they are an essential part of coatings and ink formulations, they are used for manufacturing of functional materials, are promising drug carriers and are already used in the food industry and home care products. The presence of nanoparticles in air or in water can influence both the environment and human health. Often, the suspensions are dense or strongly interacting, and they experience significant external stress and are far from equilibrium. A fundamental understanding of the interaction between nanoparticles in liquid bulk and at interfaces, allowing to more effectively use particulate systems in applications, has not yet been achieved. The aim of the nanoPaInt network is understanding, predictive modelling and application of the strongly interacting nanoparticle-laden systems out of equilibrium. The gained knowledge is used to design novel functional smart liquids and solid nanomaterials.

**Position**
15 Early Stage Researcher positions

**Responsibilities**
The training aim of nanoPaInt network is to support the career development of young researchers both in academic and non-academic sectors and to train a new generation of creative, mobile, entrepreneurial and innovative Early Stage Researchers through the independent and interdisciplinary research, participation at local and network-wide training activities as well as intersectorial and international secondments.

**Requirements**
The positions are available starting from January 1, 2021. Applications are invited from candidates with Master degree in Chemical Engineering, Mechanical Engineering, Physical Chemistry, Physics or related fields.

Eligibility criteria:
1) Applicants shall at the time of recruitment by the host organisation be in the first four years (full-time equivalent
research experience) of their research careers and have not yet been awarded a doctoral degree. The four years start to count from the date when a researcher obtained the degree (e.g. Master’s degree) which would formally entitle him/her to embark on a doctorate.

2) At the time of recruitment by the host organisation researchers shall not have resided or carried out their main activity (work, studies, etc.) in the country of their host organisation for more than 12 months in the 3 years immediately prior to the reference date.

**Application procedure (deadline etc.)**

Please apply for the position through the nanoPaint website (http://nanopaint-itn.eu/) or send your application including CV, motivation letter and transcript of academic records as a single PDF file to Apl. Prof. Tatiana Gambaryan-Roisman (gtatiana@tttd.tu-darmstadt.de) and to Prof. Ramon Gonzalez Rubio (rgrubio@quim.ucm.es) by December 4, 2020. Identify up to three projects, in order of preferences. The policy of equal opportunities will be followed during the recruitment.

**Contact**

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