



Job announcement

We are seeking a

PhD-student

for the

Study of nanomaterial agglomerates and modelling of dispersion

This activity is part of the European Project MARINA (MANaging RIisks of NANomaterials), which aims at developing specific reference methods for all the main steps in managing the potential risk of engineered nanomaterials. The thesis will deal with exposure-related issues.

Task: Your task will be to evaluate nanomaterial release processes, to set up an experimental system to study the behaviour of airborne nanomaterial agglomerates, to compare dispersion models to real data and to contribute to the development of worker protection strategies. You also will have to write reports and scientific articles.

Your profile:

- Masters degree in engineering, physics, chemistry, material sciences, or any field providing a solid (aerosol) physics background
- Experience with computer programming and/or modelling
- Practical laboratory and mechanical experience (a plus if related to aerosol experiments)
- Ability to solve problems and to work independently
- Good English writing skills (oral French is a plus)

Job-Type: This is a full-time (100%) position. Job-sharing is not possible.

Workplace: Lausanne, Switzerland

Expected entrance: At earliest convenience.

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About us: The Institute for Work and Health (IST) is a non-profit higher education and research institute entirely devoted to occupational health. IST is associated with the universities of Lausanne and Geneva and is a World Health Organization Collaborating Centre. IST's research group "Particles and Health" studies particle characteristics, human exposure to particles and co-pollutants, work activities and how these factors affect cardiovascular and pulmonary health.