

Open position for an experimental aerosol physicist at University of Vienna

Working title

Investigating formation and early growth of newly formed aerosol nanoparticles under cold conditions

Description

A PhD position in the field of aerosol physics is currently available at the Faculty of Physics of the University of Vienna. The position is part of the EU funded MSCA initial training network CLOUD-DOC (https://www.goethe-university-frankfurt.de/130954653/CLOUD_DOC_Home) which is composed of an international consortium to study aerosol formation and nanoparticle growth processes under atmospheric conditions at the CLOUD experiment at CERN, Geneva, Switzerland. The PhD student at the University of Vienna will do experimental research using a DMA train for sub-10 nm particle growth analysis and investigate heterogeneous nucleation at cold temperatures aiming for improved nanoparticle detection.

Duration of employment

Employment under this contract will last for 35 months. The position is open until adequately filled, with a preferred starting date beginning of June 2023.

Benefits

The position comes with a full PhD salary according to the Austrian Collective Bargaining Agreement, and mobility allowance in addition. Besides top-level research the successful candidate will receive broad education in atmospheric and aerosol sciences including participation in international summer and winter schools. Secondments at industry partners are mandatory and expand the learning experience of the successful candidate outside of academia. The exposure to a large international scientific community guarantees first-class build-up of a network for future professional connections.

Wanted profile

The position requires an academic background in physics and/or chemistry (master level) with expertise in atmospheric and aerosol sciences being clearly advantageous. Experimental and engineering skills together with profound computing knowledge will be considered a strong bonus. The international exposure makes fluency in English mandatory. Candidates need to be aware that frequent travel is an integral part of this position. For questions with regard to the announced position please contact Dr. Paul Winkler at paul.winkler@univie.ac.at