



COLD MOLECULAR IONS AT THE QUANTUM LIMIT



A Marie Curie Initial Training Network FP7-PEOPLE-2013-ITN

13 experimental/theoretical PhD positions within the Marie Curie Initial Training Network: Cold Molecular Ions at the Quantum limit (COMIQ)

[COMIQ](#) is an European Commission funded network focused at educating Early Stage Researchers (ESR) at the PhD level within a range of advanced cooling, trapping, and control techniques with the purpose of developing cold molecular ion research beyond its present state.

The aim of COMIQ is to investigate and control a variety of molecular ion processes at the very quantum limit. COMIQ will work on establishing cold molecular ions as new quantum objects for applications in quantum technology, precision measurements, and controlled chemistry. The network is highly interdisciplinary, combining quantum optics, quantum information sciences, molecular physics, and chemical physics in a novel and original fashion. We therefore invite strong candidates from all relevant disciplines to apply for a fellowship. Each fellowship has its own distinct profile and we wish the same for our future ESRs.

The network consists of ten partners, both academic and industrial, and all ESRs will be seconded at least once during the fellowship at another partner site. The 13 PhD positions, which are in short described [here](#) with indication of planned place of secondment, are available from November 1st, 2013. Most of the fellows are expected to be hired within the first six months from this date, but later starting dates can potentially be accepted. Application for these positions can be uploaded through this link: [Fellowships](#).

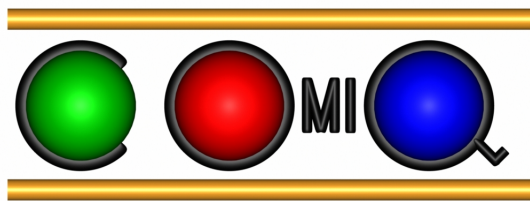
In November 22-23, 2013, a two-day [Initial Recruitment Workshop](#) will be held at Aarhus University, Denmark, to which interested candidates are encouraged to submit an application with a deadline of October 15, 2013. At the workshop, the thirteen projects will be presented by the respective supervisors, and ample time will be allocated for discussions in an informal setting. Traveling and housing expenses will be covered for a number of candidates selected based on the eligibility criteria (see below) and an excellent educational/academic background. The applications to attend the workshop will be evaluated by the supervisory board of COMIQ as well as the supervisor of the relevant project. Please upload a motivated application, marks sheets, and a resume of your Master's project [here](#). Have you not yet finished your Master's degree but expect to do so before April 2014, please upload a resume of your academic work so far and indicate when you expect to finish. Any general questions may be submitted to this address celia@phys.au.dk.

Participation in the workshop is not mandatory in order to obtain a COMIQ PhD fellowship, but it is highly recommended to participate. Links to the nodes and written descriptions of the projects are available at itn-comiq.eu.

Eligibility Criteria

Research experience of 0-4 years, counted from the time of acquirement of the Master's degree, gives the rights to apply for one of the PhD positions.

The candidate must not have resided or carried out her/his main activity (work, studies, etc.) in the country of the host organisation for more than 12 months in the 3 years immediately prior to the recruitment. Short stays, such as holidays, are not counted.



Scan to learn more!

Network Partners/Host Institutions

