

## **Job description for local radiation protection coordinator (RPC) at the Oslo Cyclotron Laboratory (OCL) and the Department of Physics**

The local RPC is appointed by the Head of Department and ensures that the work that is being performed is in accordance with the environmental, occupational health, and safety (EHS) policies of the University. The local RPC at the Department of Physics coordinates radiation protection work at the Oslo Cyclotron Laboratory (OCL) and all other laboratories at the department where ionizing radiation occurs. At present the only other laboratory outside OCL is the Biophysics Laboratory where an x-ray machine is being used. The local RPC must be familiar with the infrastructures in the laboratories and have overview over the work that is being performed there. The local RPC must also be sufficiently familiar with the regulations that are in place. The local RPC reports to the Head of the Physics Department and to the central RPC of the University. The position of local RPC at the Department of Physics corresponds to 50% full-time employment.

The work of the local RPC includes the following tasks:

- Procedures
  - Performing risk assessments and preparation of safe work procedures together with the technical and scientific staff
  - Supervision of work and control that procedures are being followed
  - Reporting of incidents and accidents
  - Following up on incident and accident reports
- Training
  - Preparation and implementation of training procedures
  - Training of employees, students, and visitors
  - Log keeping of training activities
- Technical assistance
  - Planning and supervision of routine operations and maintenance interventions at the cyclotron
  - Advice and help with technical implementation of safety features
  - Consulting and discussion of safety issues before and during experiments
  - Ordering and managing of protective equipment
- Radioactive sources and radioactive materials
  - Implementation of procedures for the handling of radioactive sources and radioactive waste
  - Procurement and disposal of radioactive sources
  - Managing the inventory of radioactive sources
  - Log keeping of the use of radioactive sources in the laboratory
  - Managing storage and disposal of irradiated materials and activated parts
  - Contamination controls
  - Reporting of radioactive sources to the university's central RPC and to NRPA
- Dosimetry
  - Ordering of dosimetry services from the NRPA
  - Managing dosimeters in the laboratory
  - Log keeping of dosimetry results

## **Manager of operations for the Oslo Cyclotron Laboratory (50% position)**

- Planning and supervising the daily work at OCL
- Planning and supervising maintenance interventions
- Responsible for beam-time scheduling
- Liaison with internal and external users of OCL
- Leading weekly meetings between engineers and scientific staff
- Budgeting operational cost together with section leader for Nuclear Physics
- Managing upgrade of cyclotron control system (major projects, on-going)
- Primary contact for external suppliers and services
- Primary contact for collaboration with other laboratories operating Scanditronix Cyclotrons
- Supervision of technical students and interns (IAESTE, HiOA?)

## **Possible management role within scientific projects related to OCL**

- Major upgrade of detector infrastructure and electronics (Siem, Görgen, Guttormsen)
  - 28 new large-volume LaBr3 scintillator detectors
  - Upgrade of signal processing electronics
  - New mechanical support structure
  - 15 – 20 MNOK from NFR, including 3-year technical position
  - Funding decision expected June 2015
- Upgrade of beamline for radiation hardness testing (Røed)
  - Beam profile monitoring
  - Potential for commercial users
  - Funding ?
- New beamline for cell irradiation (Malinen, Sagstuen)
  - Funding ?