**NAHU 2024-01 Internship – Medical Physics Database Support**

**Target Start of Internship**

2024 Flexible

**Duration**

12 months

**Organizational Setting**

Department: Nuclear Sciences and Applications

Division: Human Health

Section: Dosimetry and Medical Radiation Physics

**Main Purpose**

The main purpose of the internship is to assist in data collection and database development pertaining to all medical physics and laboratory activities. The intern shall support data collection activities in the section, verify data quality and produce summary reports.

**Tasks / Key Results Expected**

* Familiarize her/himself with IAEA work, particularly in the field of medical physics.
* Assist in maintaining IT projects schedule, work breakdown structures (WBS), issue/decision logs, meeting summaries and status reports.
* Draft guidelines and standard operational procedures for data management. Create and maintain comprehensive project documentation.
* Provide database and record keeping support, by populating an up-dateable inventory of divisional activities.
* Collaborate and assist with the implementation of surveys relevant to the field of Dosimetry and Medical Physics.
* Assist in data verification process, verify records and identify missing information to build reliable and robust dataset.
* Use data visualisation tools to check data quality and create special alerts to report missing elements.

**Knowledge, Skills and Abilities**

* Knowledge in Physics/ medical physics (required).
* Basic knowledge in data management/collection (required).
* Experience in the use of data analysis tools such as SQL (required).
* Familiarity with basic programming languages (Python, Java) would be an asset.
* Ability to understand and follow instructions and procedures (required).
* Attention to detail (required).
* Team worker (required).

**Qualifications and Experience**

* University degree in Medical Physics.
* Experience in medical technology and relevant tools.
* Experience in drafting of scientific documents and reports in English language.
* Good written and spoken English essential; fluency in any other IAEA official language (Arabic, Chinese, French, Russian, Spanish) an asset.

**Internships**

The IAEA accepts a limited number of interns each year. The internships are awarded to persons studying towards a university degree or who have recently received a degree (see Internship web pages for further details).

The purpose of the programme is:

* To provide interns with the opportunity to gain practical work experience in line with their studies or interests, and expose them to the work of the IAEA and the United Nations as a whole;
* To benefit the IAEA's programmes through the assistance of qualified students specialized in various professional fields.
* The duration of an internship is normally not less than three months and not more than one year.

**Applicant Eligibility**

* Candidates must be a minimum of 20 years of age and have completed at least three years of full-time studies at a university or equivalent institution towards the completion of a first degree.
* Candidates may apply up to one year after the completion of a bachelor's, master's or doctorate degree.
* Candidates must not have previously participated in the IAEA's internship programme.
* Good written and spoken English essential; fluency in any other IAEA official language (Arabic, Chinese, French, Russian, Spanish) an asset.
* Candidates must attach two signed letters of recommendation to their application.