

SECONDMENT OPPORTUNITY – CALL FOR APPLICATION
Medical Physics

- 1. Secondment Number:** 101008548-5
- 2. Contract Type:** Secondment
- 3. Level:** In possession of an MD, PhD or equivalent
(Level of secondment may vary according to the level of the candidate)
- 4. Location:** CNAO – Centro Nazionale di Adroterapia Oncologica, Pavia, Italy
- 5. Field:** Medical Physics
- 6. Mode:** Full Time
- 7. Duration:** 12 to 16 weeks
- 8. Possible Date Window:** **Start:** between March and May 2022
End: between September and October 2022
- 9. Grant:**
There are two types of secondments available:
Type A: Funded at €3000 per month plus €300 for travel
Type B: Secondment funded by the applicant or by third parties
Candidates are to indicate whether they are applying for Type A, Type B or both.

10. Description:

CNAO is one of the four unique cancer treatment facilities in Europe that use proton and carbon ion therapy for cancer treatment. Such therapy makes it possible to irradiate tumours in places that are difficult to reach with minimal effect to surrounding healthy tissue hence significantly reducing side effects. CNAO offers a unique international state-of-the-art working environment built around a particle accelerator which is used for therapy and research.

The medical physicist candidate will join the Medical Physics CNAO team in treatment planning and beam dosimetry and Quality Assurance daily activities. Expertise in Python scripting and Matlab programming would be highly appreciated, to provide assistance in the implementation of automation procedures within the Raystation treatment planning system (TPS) and clinical workflow. The candidate will be also actively involved in the implementation of patient-specific plan verification activities based on treatment log files and independent dose calculation engines, using Monte Carlo simulation (FLUKA code) as a reference.



11. Candidate Tasks, Duties, Responsibilities:

The candidate will support the related clinical unit.

12. Candidate Eligibility:

For grant funded secondment Type A:

- Candidates with EU member state citizenship
- Candidates from organisations/universities located within EU member states
- Candidates with citizenship of at least one of the following countries: Iceland, Norway, Albania, Bosnia and Herzegovina, North Macedonia, Montenegro, Serbia, Turkey, Israel, Moldova, Switzerland, Faroe Islands, Ukraine, Tunisia, Georgia, Armenia.
- Candidates from Kosovo**

For student funded secondment Type B:

- All candidates eligible for Type A secondments
- All other international applicants

13. Candidate Requirements:

The successful candidate will have to be ambitious, motivated and committed in exploring new technologies and to research.

Candidates are expected to have the ability to work within multidisciplinary teams and with patients where required. Excellent verbal and written communication skills.

Candidates need to be fluent in speaking and writing in English.

14: Submission Details:

Interested candidates are to submit the following:

- a. A motivation letter
- b. A Curriculum Vitae
- c. Degree transcripts to date
- d. Copy of Degree certificates and supporting documentation to date
- e. Valid Covid-19 vaccination certificate. If this is not available at the application stage, candidates may opt to submit it at the interview stage. This should be indicated in the motivation letter.

*NB: A limited number of candidates will be awarded a secondment which includes a grant and a limited number of candidates will be awarded a position that does not include a grant. Candidates are to indicate in their motivation letter whether they are applying for a grant secondment or a non-grant secondment or both. To note that also applying for a non-grant secondment does not reduce a candidate's chance of obtaining a grant secondment but simply opens the candidate to more possibilities of obtaining a secondment position. Candidates who are selected for non-grant secondment will be asked to sign a declaration that they can cover their own expenses during the secondment.

*NB: Health and disability death insurance will have to be taken care of directly by the candidate.

***This designation is without prejudice to positions on status, and is in line with UNSC 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.'*



15: Submission Deadline: Wednesday 5th January 2022

16: Submission Contact: Submissions are to be sent by email to: nicholas.sammut@um.edu.mt
Submissions are to clearly state the secondment number and secondment name in the email subject line and in the motivation letter

17: Remarks:

Only shortlisted candidates will be contacted and advance to the next stage of the selection process. Individuals engaged under such secondment contracts will not be considered “staff members” under the Staff Regulations and Rules of the organisation policies and procedures, and will not be entitled to benefits provided therein (such as leave entitlements and medical insurance coverage). Their conditions of service will be governed by their secondment contract and the general conditions of contracts for the services of consultants and individual contractors. Candidates are responsible for determining their tax liabilities and for the payment of any taxes and/or duties, in accordance with local or other applicable laws.

