**Job title**: Physicist – RF

**Department**: Physics, R&D

**Company**: Elekta Beijing Medical Systems Co. Ltd

**Location**: Beijing

## **Responsibilities**

You will be responsible of physics principles and engineering in medical accelerator tube and related RF systems, e.g., developing new accelerating cell structure, providing specifications for electron gun, RF window, modulator or circulator, or investigating to improve tuning procedure or manufacturing process. The responsibilities will include but not be limited to:

* Physics simulation, design, analysis and test for medical accelerator tube, electron gun, RF window and other RF systems, etc;
* Physics development and realization for new or improved manufacturing process of medical accelerator tube, electron gun, RF window and other RF systems, etc;
* Production line & customer support for RF physics related issues;
* Standards & regulations support;
* Support of scientific collaborations with universities & institutes:
* Innovations & patents; publications & conferences

## **Requirements**

* Master degree or above in nuclear science/technology & applications, accelerator physics, electromagnetic field and microwave, vacuum electronics, or relevant fields;
* Extensive knowledge of accelerator physics, RF physics, RF modelling techniques and vacuum technologies
* >2 years of research/working experience in RF simulation, design and test; experiences with electron accelerator is a plus;
* Ability to use related simulation tools (e.g. superfish, parmela, CST or HFSS) and measurement instruments (e.g. network analyser or oscilloscope) for RF simulation, design, analysis and test;
* Willing to learn and develop state-of-the-art knowledge of accelerating tube, RF physics and vacuum electronics;
* Willing to travel domestic or oversea if required;
* Good English and effective communication skills within a multi-disciplinary international company
* Passionate, result driven, fast learner, problem-solver, and team player

## **Interested candidates please send your updated CV to Peilin.yuan@elekta.com and specify where you see this position advertised.**