**Job title**: Physicist – Physics Engineering of Vacuum & RF

**Department**: Physics, R&D

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

**Location**: Beijing

## **Responsibilities**

You will be responsible of physics engineering in medical accelerator tube and related RF systems, e.g., developing new accelerator 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 development and realization for new or improved manufacturing process of medical accelerator tube, electron gun, RF window and other RF systems, etc;
* Physics design, analysis and test for medical accelerator tube, electron gun, RF window and other RF systems, etc;
* Production line & customer support for RF & vacuum related issues;
* Specifications providing for related testing jig and tools;
* Process verification implementing and working instruction providing for vacuum &RF manufacturing process development;
* Risk analysis and management for vacuum &RF manufacturing process development;
* Standards & regulations support;

## **Requirements**

* Bachelor degree or above in nuclear science/technology & applications, accelerator physics, electromagnetic field and microwave, vacuum electronics, electronics engineering or relevant fields;
* Deep knowledge of accelerator physics and engineering, and vacuum & RF technologies;
* >3 years of research/working experience in RF & vacuum analysis and test; experiences with electron accelerator is a plus;
* Ability to use related measurement instruments (e.g. network analyzer or oscilloscope) for RF & vacuum, analysis and test;
* Willing to learn and develop state-of-the-art knowledge and physics engineering 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.**