Engineering Specialist

The Research Engineering Lab (REL) at Memorial Sloan-Kettering Cancer Center is a facility dedicated to providing the research community of the Center with expertise in physics, engineering and instrumentation through internal consulting, design and development of experimental systems and setups.

We are seeking an experienced individual to handle the electrical/electronic engineering projects of the lab. Responsibilities include: interacting with specialists in the biological, bio-chemical, and medical sciences of cancer research to understand their instrumentation needs; contributing to the design and implementation of complete solutions to the problems presented to the REL and to test and deliver results in a timely manner; and defining the project deliverables and effectively transferring the technology to the end users. Additionally, will manage the electrical/electronic design tools and materials of the lab, manage the files and documentation of the projects as well as evaluate and prioritize new projects.

The successful candidate will have a Master's degree in a relevant engineering discipline or physical science (electrical, applied physics, computer, optics, biomedical) with a thesis in a hands-on, electrical/electronic hardware related, systems-level instrumentation project, or a Bachelor's degree with a minimum of 4 years equivalent industry experience. Practical and theoretical knowledge of analog and digital electronic design, computer aided design software and analytical software tools (e.g. Matlab, Mathematica, IDL, Excel), and computer HW/SW sub-systems (e.g. RS232, Ethernet, embedded systems) are required. Must have direct, hands-on experience working with sophisticated instrumentation and be versed in Visual Basic, Visual C++. LabView or equivalent and have experience working in a multi-disciplinary environment. Experience with lasers, optics and photonics; medical instrumentation design and certification; electromechanical design; video systems and standards; imaging and microscopy; or life sciences are desirable.

We offer an excellent salary and comprehensive benefits, including tuition reimbursement. Please forward your resume and salary requirements to: MSKCC, Employment Department, 633 Third Ave, 5th Flr, New York, NY 10017 or e-mail jobops3@mskcc.org. EOE/AA