Algorithms team – student position

Job description:
Novocure is a medical device company with R&D based in Haifa. The company provides cancer patients with a novel treatment for aggressive cancers using Tumor Treating electric Fields (TTFields). Our algorithms team is initiating the development of a new algorithm for TTFields treatment planning. We are looking for a highly motivated student to be part of this effort. The student will be responsible for conducting simulations of TTFields distributions within the human body as well as building a reliable database to be used within the new algorithm.

Responsibilities:
1. Plan, develop and Perform simulations of TTFields distributions within the human body using computational and physical models.
2. Use a semi-automatic tool for building a reliable database to be used within the new algorithm.
3. Participate in team efforts to develop the next-generations of devices for TTFields therapy.

Qualifications:
1. BSc/MSc student in computer science or biomedical/electrical/computer engineering.
2. At least 1 year left before graduation.

Knowledge/Skills:
1. High level of proficiency in Python.
2. Independent and fast-pace developer.
3. Team player capable of working in a multi-disciplinary environment involving software, physicists, algorithm engineers and physicians.
4. Good understanding of computer vision and image processing methods – an advantage.
5. Experience with medical image processing – an advantage.

Requirements:
10-20 hours per week, with flexibility during exam period

Send your CV and academic transcript to: rshamir@novocure.com