

## Job Description

### Position: Lead Physicist

Reporting to: Scientific Director

Job summary: Novocure is a medical device company with R&D based in Haifa. The company is growing quickly as it commercializes TFields therapy: a novel treatment for aggressive cancers using alternating electric fields. Novocure is looking to add a lead physicist who will lead biophysics-based research aimed at understanding the underlying biophysics of this unique treatment modality.

#### Responsibilities:

1. Lead experimental and theoretical research into the biophysics of TFields at the cellular and molecular levels.
2. Support team efforts to simulate TFields distributions within the human body using computational and physical models.
3. Provide training on the biophysics of TFields to audiences both internal and external to the company.
4. Participate in team efforts to develop the next-generations of devices for TFields therapy.

Qualifications: PhD in Biophysics, Biomedical Engineering or a related field. Post-doctoral experience (in either academia or industry) is an advantage.

#### Knowledge/Skills:

1. A proven ability to perform independent research
2. A proven ability to lead small research groups.
3. Excellent understanding of cellular biophysics.
4. Experience working with cell culture or tissue samples is a must.
5. Strong analytical skills.
6. High proficiency in Matlab/Python and/or other scientific programming packages
7. Team player capable of leading multi-disciplinary research projects involving physicists, engineers, biologists and physicians.
8. Excellent communication skills in both English and Hebrew.
9. Experience with various forms of microscopy-an advantage.
10. Familiarity with interactions of electric fields with the human body- an advantage

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