

The Institute of Biomedical Electronics (BME) at TU Wien invites applications for a

PhD Position (Project Assistant)

Research at the BME addresses the interfacing of electronics with the biological and human world, ultimately aiming for improved strategies in healthcare.

Within the international project “Elevate” a consortium of six partners aim to develop novel sensors and to identify electric signatures caused by structural modifications in carcinogenic tissue. The goal of the PhD project is to record and analyze impedance and noise spectra and to identify electrical signatures specific for cancer cells and tissues. Previous work by us and other labs indicate the potential of this method for 2D cultures and for certain 3D cultures.

The candidate will strongly interact with members of our institute, with local project partners at the Institute of Solid-State Electronics, two companies based in Vienna and several international cooperation partners.

Further information about our institute can be found at: <https://www.tuwien.at/en/etit/bme>

Requirements:

- Master degree in Biomedical Engineering, Biophysics or equivalent
- Good knowledge of English
- Basic expertise in computational analysis of biomedical signals
- Skillful, enthusiastic and determined to work in a team

Offer:

- Employment in the scope of a research project with the Austrian Research Promotion Agency (FFG)
- Remuneration will be based on the wage (salary group B1) according to the collective agreement (14x times/year)
- Full health and social insurance
- The position is available by Dec. 1st, 2022
- Fringe benefits provided by the TU Wien are found at https://jobs.tuwien.ac.at/Content/files/Fringe_Benefit_Katalog_TUW_englisch_ck.pdf

Application:

Please send your motivation letter, a CV (max. 2 pages) and the contact of two reference persons by email to Prof. Günther Zeck ([guenther.zeck\(AT\)tuwien.ac.at](mailto:guenther.zeck(AT)tuwien.ac.at))