

Basic Information :

Name : Mohamed Tarek Ibrahim Mohamed Ali Elwakad
Title : vice Dean



Education :

Certificate	Major	University	Year
PhD	Measurments, Computer modeling, Biomaterials, Biomechanics, Stress analysis	Rensselare polytechnic Institute - Troy, New York, USA	1988
Masters	Measurments, Medical Engineering	George Washington University - Washington , D.C, USA	1981
Bachelor	Mechanical Engineering	Faculty of Engineering - Helwan Univrsity	1975

Research :

Optimization of micro-electrodes for DNA fragments labelled to microbeads manipulation and characterization

A novel microfluidic system using a reservoir and flow control system for single-cell release, migration, separation, and characterization

Planar Micro-electrodes versus Cone Plate for Biological Cell Trapping and Characterization

Micro-electrodes based on CMOS Technology for Characterization of Biological Cells