Curriculum Vitae - Tali Brunner (Howard)

Personal Details

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Home Address: Neve Boqer 422, p.o.b 41, Midreshet Ben-Gurion 84990, Israel
Marital status: Married +4
Date of Birth: 12.6.1978, Date of Aliya: September 1987

Education

2004- 2009 Direct course PhD, Dept. of Biotechnology Engineering and Dept. of Immunology and Microbiology, Ben Gurion University (BGU).
Thesis title: *Immunomodulation of Dendritic cells and Macrophages for treatment of autoimmune diseases*.
Advisors: Prof. Smadar Cohen and Dr. Alon Monsonego

2004-2006 M.Sc. in Biotechnology Engineering, as part of the direct PhD course, *Cum Laude*.

2000-2004 B.Sc., Dept. of Biotechnology Engineering BGU, *Cum Laude*.
Final Project title: *Cloning and Transfection of the Cytochrome P450 3A4 Gene into the HEPG2/C3A Cell line*. Advisors: Prof. Smadar Cohen and Dr. Tsiona Elkayam

Additional training: "Editing of Scientific, Medical and Technical Texts", a two-day course held at the Publishing Training Centre, London, Great Britain, **November 2012**

Work Experience

2008-present: Freelance English scientific editor – experience with papers published in leading journals such as PNAS, JBC, Biomaterials, Tissue Engineering, Journal of Immunology and more, as well as with PhD and Masters dissertations.

2011-present: Microbiology and Hydrology Lab administrator, Zuckerberg Institute for Water Research (ZIWR), Blaustein Institutes of Desert Research (BIDR), BGU.

2009-2011: Molecular Genetics Lab Administrator, BIDR, BGU.

2008-2011: English scientific editor, BIDR; responsible for scientific editing of English papers and grants written by researchers at BIDR.

2004-2009: Supervisor of Undergraduate student project titled "*Controlled Release of Immunomodulating Peptide from Biodegradable Microspheres*"

2004-2009: Teaching Assistant of "Genetics for Biotechnology" course; Genetic Engineering General Chemistry, Organic Chemistry Student lab instructor.

Stipends and Awards

2004-2008 Recipient of the Kreitman Fellowship Award for Doctorate studies (top 5% students)

2000-2004 Four-times consecutive recipient of the Suzan Zlotowsky Award for B.Sc. students (top 10% students)

2004 Outstanding final BSc. project award (1st prize out of 70 competing projects)

Scientific Background

Participation in Scientific Conferences (poster presentations):
Federation of Clinical Immunology Societies (FOCIS), June 2007, San Diego USA
Targeted Delivery of Immunomodulating Agents to Dendritic Cells for Treatment of Autoimmune Disease.
Israeli Controlled Release Society, September 2007, Caesarea Israel
Controlled Release of Immunomodulating Peptide from Biodegradable Microspheres

Publications

Zilberg, D., Fridman, S., Aruety, T., Standing, D., **Brunner, T.,** Gross, A. (2016). Decreasing levels of the fish pathogen ***Streptococcus iniae*** following inoculation into the sludge digester of a zero-discharge recirculating aquaculture system. Aquaculture 450, pp. 335-341

Kidron GJ., Posmanik, R., **Brunner, T**., Nejidat, A., (2015) Spatial abundance of microbial nitrogen-transforming genes and inorganic nitrogen in biocrusts along a transect of an arid sand dune in the Negev Desert. Soil Biology and Biochemistry 83, pp. 150-159

Brunner T, Cohen, S., Monsonego, A. (2010). Silencing of proinflammatory genes targeted to peritoneal-residing macrophages using biodegradable microspheres. Biomaterials 31, pp. 2627-2636

Scientific Laboratory Methods

Cell culture (work in sterile hood); Work with animals (mice); Fluorescence Activated Cell Sorter (FACS) – sample preparation and analysis by flow cytometry; ELISA; DNA and RNA extraction; Semi quantitative PCR; Realtime PCR; Primer design; Basic bioinformatics applications; Plasmid restriction and cloning; Cell transfection using RNA and DNA; Protein expression and isolation; Preparation of biodegradable microspheres using double emulsion technique; HPLC; Mass spectrometry; Polymer chemistry; Work with radioactive substances (^{3}H); Immunohistochemistry; Light, Fluorescent & Confocal Microscopy; Various Organic Chemistry laboratory methods: extraction, distillation, oxidation & reduction, esterification, column chromatography, thin-layer chromatography; basic microbiology skills; basic biochemistry skills.

Additional Skills

Excellent English writing skills, including proof-reading and scientific editing.
Skilled with Office programs: Word, Excel, Powerpoint and Access

Languages

English – Mother tongue
Hebrew - Excellent