

Mahmud Masalha
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Date of Birth: 9th September, 1969

EMPLOYMENT

05/2009 Researcher at Al-Qasemi Research Centre

Baka El-Glarbiah P.O.B 124
30100 Israel

Researcher activity: Infection Diseases, *biofilm-associated antibiotic resistance in Staphylococcus aureus and Pseudomonas aeruginosa*

2007-4/2009: Biology Lecturer

Sheffield College Norton, Sheffield UK

2002- 2006: Post-doctoral research associate

Department of Molecular Biology and Biotechnology, University of Sheffield, UK
Projects Titles: *Genetic analysis of Glycylglycine endpeptidases in Staphylococcus aureus* and *Glycoprotein identification with potential role in host-pathogen interaction*

Funded by the European Commission
Principal investigator: Professor Simon Foster

2001-2002: Senior Research Scientist

Triangle Research & Development Centre, Kfar-Qaraa, Israel
Project: *In Vitro susceptibility of Bacillus anthracis to various antibacterial agents*

2000-2001: Biological Data Processor

Glycominds LTD, Biotechnology Start-up Company
Duties: Processing biological data in the field of carbohydrate research

1997-2002: Science Lecturer

Haifa Teaching College University, Israel

1998-2002: Research Assistantship

Tel-Aviv University, Israel.

1996-1997: Lab Technician

Oceanographic & Limnological Research Institute, Haifa, Israel
Project: *Genetic analysis of microsatellite in Anemone.*

EDUCATION

1998-2002: PhD in Molecular Biology & Biotechnology

Department of Molecular Microbiology and Biotechnology, University of Tel Aviv, Israel

Thesis Title: *Organization, essentiality and regulation of Staphylococcus aureus class I and class III ribonucleotide reductase genes in response to oxygen.*

Funded by Abbott Pharmaceutical Company

Supervisors: Professor Gerald Cohen & Professor Yair Aharonowitz

1991-1996: Diploma in Biology

Faculty of Sciences, Phillips University, Marburg, Germany

Modules included: Molecular Genetics I&II, Biochemistry, Microbiology I& II and Virology.

Project Title: *Experiments for the optimization of the expression of a heterologous resistance gene in Methanococcus volta.*

Supervisor: Professor Albert Klein

PUBLICATIONS

- Ebru Kirdis, Ing-Marie Jonsson, Elisabet Josefsson, Malgorzata Kubica, **Mahmud Masalha**, Simon J. Foster, and Andrzej Tarkowski. *Ribonucleotide reductase class III, an essential enzyme for the anaerobic growth of Staphylococcus aureus, is a virulence determinant in septic* Microb Pathog. 2007 May 25;: 17606358
- Jorge García-Lara, **Mahmud Masalha** and Simon J. Foster *Staphylococcus aureus: the search for novel targets* Drug Discov. Today., 2005; 10 (9): 643-651
- **M. Massalha**, A. Athamna, M. Athamna, A. Nura, B. Medlej, I. Ofek, D. Bast and E. Rubinstein. *In Vitro susceptibility of Bacillus anthracis to various antibacterial agents and their time-kill activity* J. Antimicrob. Chemother., 2004; (53): 247-251
- **Mahmud Masalha**, Ilya Borovok, Rachel Schreiber, Yair Aharonowitz and Gerald Cohen. 2001. *Transcriptional Analysis of the Staphylococcus aureus Aerobic Class Ib and Anaerobic Class III Ribonucleotide Reductase Genes in Response to Oxygen* J. Bacteriol., 2001; 183 (24):7260-7
- Anti-Inflammatory effects of herbal-derived factors are mediated by down regulation of pro-inflammatory cytokines Mr. Bahaa Hadieh, Dr. Omar Said, Dr. Mahmoud Masalha, Mr. Basheer Abo Farkh, Mrs. Alaa Abo Mokh, Prof. Bashar Saad

CONFERENCES

- **M. Masalha**, R. Schreiber, G. Cohen and Y. Aharonowitz
Organization and transcriptional analysis of the staphylococcus aureus aerobic and anaerobic ribonucleotide reductase genes.
5th International Conference on Thioredoxin and related Proteins.19-22/9/2002
Smolenice, Slovak Republic
 - **M. Masalha**, I. Brovok R. Schreiber, G. Cohen and Y. Aharonowitz
Gene organization and transcriptional analysis of the Staphylococcus aureus aerobic and anaerobic ribonucleotide reductase nrd operon.
The eighth annual meeting of the Institute for Biotechnology
01-03/06/2003. Qfar Blum, Israel
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SKILLS

- English: Fluent written and spoken
 - German: Fluent written and spoken
 - Arabic: Mother Tongue language
 - Hebrew: Fluent written and spoken
 - Fully competent with all aspects of Microsoft Office
 - Experienced in Bioinformatics Programmes and Tools
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AWARDS AND SCHOLARSHIPS

1994-1996: The Friedrich-Ebert Foundation Germany (MSc)
1998-2002: Tel Aviv University (PhD)

REFEREES

Prof. Simon J. Foster

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Biotechnology, University of Sheffield
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