



Ron Saar Dover

Postdoctoral Research Fellow, Microbiology and Immunology

Bio

HONORS AND AWARDS

- EMBO long-term fellow, EMBO

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Weizmann Institute Of Science (2015)
- Master of Science, Weizmann Institute Of Science (2011)
- Bachelor of Science, Ben Gurion University Of The Negev (2006)

STANFORD ADVISORS

- Mark Davis, Postdoctoral Faculty Sponsor

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Human immunology

Systems immunology

CODEX multiparametric tissue imaging

pMHC Tetramers

Publications

PUBLICATIONS

- **Multicenter Systems Analysis of Human Blood Reveals Immature Neutrophils in Males and During Pregnancy.** *Journal of immunology*
Blazkova, J., Gupta, S., Liu, Y., Gaudilliere, B., Ganio, E. A., Bolen, C. R., Saar-Dover, R., Fragiadakis, G. K., Angst, M. S., Hasni, S., Aghaeepour, N., Stevenson, D., Baldwin, et al
2017; 198 (6): 2479-2488
- **Multiparametric AFM reveals turgor-responsive net-like peptidoglycan architecture in live streptococci.** *Nature communications*
Dover, R. S., Bitler, A., Shimoni, E., Trieu-Cuot, P., Shai, Y.
2015; 6: 7193
- **D-alanylation of lipoteichoic acids confers resistance to cationic peptides in group B streptococcus by increasing the cell wall density.** *PLoS pathogens*
Saar-Dover, R., Bitler, A., Nezer, R., Shmuel-Galia, L., Firon, A., Shimoni, E., Trieu-Cuot, P., Shai, Y.
2012; 8 (9): e1002891
- **Fractal properties of cell surface structures: A view from AFM.** *Seminars in cell & developmental biology*

Bitler, A., Dover, R. S., Shai, Y.
2018; 73: 64–70

- **Mechanisms of biofilm inhibition and degradation by antimicrobial peptides.** *The Biochemical journal*
Segev-Zarko, L., Saar-Dover, R., Brumfeld, V., Mangoni, M. L., Shai, Y.
2015; 468 (2): 259–70
- **Peptide interaction with and insertion into membranes.** *Methods in molecular biology (Clifton, N.J.)*
Saar-Dover, R., Ashkenazi, A., Shai, Y.
2013; 1033: 173–83
- **The GBS PI-2a pilus is required for virulence in mice neonates.** *PloS one*
Papasergi, S., Brega, S., Mistou, M. Y., Firon, A., Oxaran, V., Dover, R., Teti, G., Shai, Y., Trieu-Cuot, P., Dramsi, S.
2011; 6 (4): e18747