

Stanford



Djenet Bousbaine

Postdoctoral Scholar, Bioengineering

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Massachusetts Institute of Technology , Microbiology (2020)
- Master of Science, Swiss Federal Institute of Technology (EPFL) , Life Sciences and technologies (2012)
- Bachelor of Science, Swiss Federal Institute of Technology (EPFL) , Life Sciences and technologies (2010)

STANFORD ADVISORS

- Michael Fischbach, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **A conserved Bacteroidetes antigen induces anti-inflammatory intestinal T lymphocytes.** *Science (New York, N.Y.)*
Bousbaine, D., Fisch, L. I., London, M., Bhagchandani, P., Rezende de Castro, T. B., Mimee, M., Olesen, S., Reis, B. S., VanInsberghe, D., Bortolatto, J., Poyet, M., Cheloha, R. W., Sidney, et al
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- **Deletion of mFICD AMPylase alters cytokine secretion and affects visual short-term learning in vivo.** *The Journal of biological chemistry*
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- **Antigen discovery tools for adaptive immune receptor repertoire research** *Current Opinion in Systems Biology*
Bousbaine, D., Ploegh, H. L.
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- **Recognition of Class II MHC Peptide Ligands That Contain beta-Amino Acids** *JOURNAL OF IMMUNOLOGY*
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- **Internalization of Influenza Virus and Cell Surface Proteins Monitored by Site-Specific Conjugation of Protease-Sensitive Probes** *ACS CHEMICAL BIOLOGY*
Cheloha, R. W., Li, Z., Bousbaine, D., Woodham, A. W., Perrin, P., Volaric, J., Ploegh, H. L.

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- **One-step generation of monoclonal B cell receptor mice capable of isotype switching and somatic hypermutation** *JOURNAL OF EXPERIMENTAL MEDICINE*
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2018; 215 (10): 2686–95
- **One-Pot Dual Labeling of IgG 1 and Preparation of C-to-C Fusion Proteins Through a Combination of Sortase A and Butelase 1** *BIOCONJUGATE CHEMISTRY*
Harmand, T. J., Bousbaine, D., Chan, A., Zhang, X., Liu, D. R., Tam, J. P., Ploegh, H. L.
2018; 29 (10): 3245–49
- **The studies of ParA and ParB dynamics reveal asymmetry of chromosome segregation in mycobacteria** *MOLECULAR MICROBIOLOGY*
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- **Engineered erythrocytes covalently linked to antigenic peptides can protect against autoimmune disease** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
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- **Tissue-specific emergence of regulatory and intraepithelial T cells from a clonal T cell precursor** *SCIENCE IMMUNOLOGY*
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- **Single-cell dynamics of the chromosome replication and cell division cycles in mycobacteria** *NATURE COMMUNICATIONS*
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