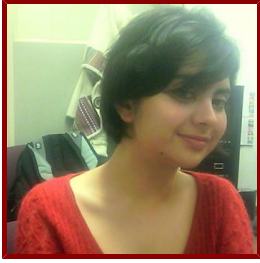


Stanford



Massa Shoura

Postdoctoral Research Fellow, Pathology

Bio

HONORS AND AWARDS

- Beckman Postdoctoral Fellowship (Independence award; mentored phase), Arnold and Mabel Beckman Foundation (2017-present)
- Stanford Medicine Dean's Postdoctoral Fellowship, Stanford (2016-2017)

PROFESSIONAL EDUCATION

- Bachelor of Science, University of Texas at Dallas , Molecular Biophysics (2008)
- Master of Science, University of Texas at Dallas , Biotechnology and Cell Biology (2010)
- Doctor of Philosophy, University of Texas at Dallas , Molecular Biophysics (2015)
- Doctor of Philosophy, University of Texas at Dallas , Biomedical Engineering (2015)

STANFORD ADVISORS

- Andrew Fire, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Deconvolution of nucleic-acid length distributions: a gel electrophoresis analysis tool and applications.** *Nucleic acids research*
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- **Contribution of Fluorophore Dynamics and Solvation to Resonant Energy Transfer in Protein-DNA Complexes: A Molecular-Dynamics Study** *BIOPHYSICAL JOURNAL*
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- **Measurements of DNA-loop formation via Cre-mediated recombination** *NUCLEIC ACIDS RESEARCH*
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- **Quantitative Characterization of Gel Electrophoresis Images**
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- **Circulomics: The Structural Genomics of Endogenous and Exogenous Extrachromosomal Circular DNAs**
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- **Circulomics: Ultrasensitive Characterization of Extrachromosomal Circular DNA (eccDNA) Distributions and Functions in Eukaryotes**
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CELL PRESS.2018: 83A

- **Intricate and Cell Type-Specific Populations of Endogenous Circular DNA (eccDNA) in *Caenorhabditis elegans* and *Homo sapiens*.** *G3 (Bethesda, Md.)*
Shoura, M. J., Gabdank, I., Hansen, L., Merker, J., Gotlib, J., Levene, S. D., Fire, A. Z.
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- **The thermodynamics of DNA loop formation, from J to Z** *BIOCHEMICAL SOCIETY TRANSACTIONS*
Levene, S. D., Giovan, S. M., Hanke, A., Shoura, M. J.
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- **Understanding DNA looping through Cre-recombination kinetics** *Discrete and Topological Models in Molecular Biology*
Shoura, M., Levene, S.
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