

Stanford

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Publications

PUBLICATIONS

- **Metabolites control stress granule disassembly.** *Nature cell biology*
Jakobson, C. M., Jarosz, D. F.
2021
- **A prion accelerates proliferation at the expense of lifespan.** *eLife*
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2020
- **Widespread Prion-Based Control of Growth and Differentiation Strategies in *Saccharomyces cerevisiae*.** *Molecular cell*
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2019
- **Molecular Origins of Complex Heritability in Natural Genotype-to-Phenotype Relationships** *CELL SYSTEMS*
Jakobson, C. M., Jarosz, D. F.
2019; 8 (5): 363-+
- **Molecular Origins of Complex Heritability in Natural Genotype-to-Phenotype Relationships.** *Cell systems*
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- **Pervasive function and evidence for selection across standing genetic variation in *S. cerevisiae*.** *Nature communications*
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- **An estimate is worth about a thousand experiments: using order-of-magnitude estimates to identify cellular engineering targets** *MICROBIAL CELL FACTORIES*
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- **Spatially organizing biochemistry: choosing a strategy to translate synthetic biology to the factory** *SCIENTIFIC REPORTS*
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- **Organizing biochemistry in space and time using prion-like self-assembly.** *Current opinion in systems biology*
Jakobson, C. M., Jarosz, D. F.
2018; 8: 16-24
- **Evidence for Improved Encapsulated Pathway Behavior in a Bacterial Microcompartment through Shell Protein Engineering** *ACS SYNTHETIC BIOLOGY*

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● **De novo design of signal sequences to localize cargo to the 1,2-propanediol utilization microcompartment *PROTEIN SCIENCE***

Jakobson, C. M., Lee, M. F., Tullman-Ercek, D.

2017; 26 (5): 1086-1092