

# Stanford

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## Felix Boos

Postdoctoral Scholar, Genetics

### Bio

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#### STANFORD ADVISORS

- Anne Brunet, Postdoctoral Faculty Sponsor

### Research & Scholarship

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#### LAB AFFILIATIONS

- Anne Brunet (7/1/2021)

### Publications

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#### PUBLICATIONS

- **The unfolded protein response of the endoplasmic reticulum supports mitochondrial biogenesis by buffering non-imported proteins.** *Molecular biology of the cell*  
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- **Mitochondrial dysfunction rapidly modulates the abundance and thermal stability of cellular proteins.** *Life science alliance*  
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- **The African Turquoise Killifish: A Scalable Vertebrate Model for Aging and Other Complex Phenotypes.** *Cold Spring Harbor protocols*  
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2023
- **MitoStores: chaperone-controlled protein granules store mitochondrial precursors in the cytosol** *EMBO JOURNAL*  
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2023: e112309
- **Widespread use of unconventional targeting signals in mitochondrial ribosome proteins** *EMBO JOURNAL*  
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- **Increased levels of mitochondrial import factor Mia40 prevent the aggregation of polyQ proteins in the cytosol.** *The EMBO journal*  
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- **More than just a ticket canceller: the mitochondrial processing peptidase tailors complex precursor proteins at internal cleavage sites** *MOLECULAR BIOLOGY OF THE CELL*  
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- **The intermembrane space protein Mix23 is a novel stress-induced mitochondrial import factor.** *The Journal of biological chemistry*  
Zöller, E., Laborenz, J., Krämer, L., Boos, F., Räsche, M., Alexander, R. T., Herrmann, J. M.  
2020; 295 (43): 14686-14697
- **How the Mitoprotein-Induced Stress Response Safeguards the Cytosol: A Unified View.** *Trends in cell biology*  
Boos, F., Labbadia, J., Herrmann, J. M.  
2020; 30 (3): 241-254
- **The NADH Dehydrogenase Nde1 Executes Cell Death after Integrating Signals from Metabolism and Proteostasis on the Mitochondrial Surface** *MOLECULAR CELL*  
Saladi, S., Boos, F., Poglitsch, M., Meyer, H., Sommer, F., Muehlhaus, T., Schroda, M., Schuldiner, M., Madeo, F., Herrmann, J. M.  
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- **Multiple mitochondrial thioesterases have distinct tissue and substrate specificity and CoA regulation, suggesting unique functional roles.** *The Journal of biological chemistry*  
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2018; 8 (17)
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