

# Stanford

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## Jean Vila

Postdoctoral Scholar, Biology

 Curriculum Vitae available Online

### Bio

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#### STANFORD ADVISORS

- Dmitri Petrov, Postdoctoral Faculty Sponsor

#### LINKS

- Website: <https://www.jeancvila.com/>

### Research & Scholarship

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#### LAB AFFILIATIONS

- Dmitri Petrov, Petrov Lab (8/1/2022)

### Publications

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#### PUBLICATIONS

- **Massively parallel experimental interrogation of natural variants in ancient signaling pathways reveals both purifying selection and local adaptation.** *bioRxiv : the preprint server for biology*  
Aguilar-Rodríguez, J., Vila, J., Chen, S. A., Razo-Mejia, M., Ghosh, O., Fraser, H. B., Jarosz, D. F., Petrov, D. A.  
2024
- **Global epistasis and the emergence of function in microbial consortia.** *Cell*  
Diaz-Colunga, J., Skwara, A., Vila, J. C., Bajic, D., Sanchez, A.  
2024
- **Competition for shared resources increases dependence on initial population size during coalescence of gut microbial communities.** *bioRxiv : the preprint server for biology*  
Goldman, D. A., Xue, K. S., Parrott, A. B., Jeeda, R. R., Franzese, L. R., Lopez, J. G., Vila, J. C., Petrov, D. A., Good, B. H., Relman, D. A., Huang, K. C.  
2023
- **Metabolic similarity and the predictability of microbial community assembly.** *bioRxiv : the preprint server for biology*  
Vila, J. C., Goldford, J., Estrela, S., Bajic, D., Sanchez-Gorostiaga, A., Damian-Serrano, A., Lu, N., Marsland, R., Rebolleda-Gomez, M., Mehta, P., Sanchez, A.  
2023
- **The architecture of metabolic networks constrains the evolution of microbial resource hierarchies.** *Molecular biology and evolution*  
Takano, S., Vila, J. C., Miyazaki, R., Sanchez, A., Bajic, D.  
2023
- **Predictability of the community-function landscape in wine yeast ecosystems.** *Molecular systems biology*  
Ruiz, J., de Celis, M., Diaz-Colunga, J., Vila, J. C., Benitez-Dominguez, B., Vicente, J., Santos, A., Sanchez, A., Belda, I.

2023: e11613

● **Emergent coexistence in multispecies microbial communities** *SCIENCE*

Chang, C., Bajic, D., Vila, J. C. C., Estrela, S., Sanchez, A.

2023; 381 (6655): 343-348