

## Stefano Cestellos Blanco

Postdoctoral Scholar, Chemical Engineering

### Bio

---

#### STANFORD ADVISORS

- Zhenan Bao, Postdoctoral Research Mentor

### Publications

---

#### PUBLICATIONS

- **Report ATP production from electricity with a new-to-nature electrobiological module** *JOULE*  
Luo, S., Adam, D., Giaveri, S., Barthel, S., Cestellos-Blanco, S., Hege, D., Paczia, N., Castaneda-Losada, L., Klose, M., Arndt, F., Heider, J., Erb, T. J.  
2023; 7 (8): 1745-1758
- **Towards a Biomanufactory on Mars** *FRONTIERS IN ASTRONOMY AND SPACE SCIENCES*  
Berliner, A. J., Hilzinger, J. M., Abel, A. J., McNulty, M. J., Makrygiorgos, G., Aversch, N. J. H., Sen Gupta, S., Benvenuti, A., Caddell, D. F., Cestellos-Blanco, S., Doloman, A., Friedline, S., Ho, et al  
2021; 8
- **Nontoxic nanopore electroporation for effective intracellular delivery of biological macromolecules.** *Proceedings of the National Academy of Sciences of the United States of America*  
Cao, Y., Ma, E., Cestellos-Blanco, S., Zhang, B., Qiu, R., Su, Y., Doudna, J. A., Yang, P.  
2019; 116 (16): 7899–7904
- **Roadmap on semiconductor-cell biointerfaces.** *Physical biology*  
Tian, B., Xu, S., Rogers, J. A., Cestellos-Blanco, S., Yang, P., Carvalho-de-Souza, J. L., Bezanilla, F., Liu, J., Bao, Z., Hjort, M., Cao, Y., Melosh, N., Lanzani, et al  
2018; 15 (3): 031002
- **Miniaturized Antimicrobial Susceptibility Test by Combining Concentration Gradient Generation and Rapid Cell Culturing.** *Antibiotics (Basel, Switzerland)*  
Kim, S. C., Cestellos-Blanco, S., Inoue, K., Zare, R. N.  
2015; 4 (4): 455-466