

# Stanford

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## Umberto Aiello

Postdoctoral Scholar, Genetics

### Bio

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#### HONORS AND AWARDS

- EMBO postdoctoral fellowship, European Molecular Biology Organization (2023-2024)
- School of Medicine Dean's fellowship, Stanford University (2023)
- GENE Mentors fellowship, EUR GENE, Université Paris Cité (2022)
- DOC4 fellowship, Fondation ARC pour la recherche sur le cancer (2020-2021)
- Bourse de thèse (PhD fellowship), French Ministry for Education and Research (2017-2020)
- International Masters Mobility Scholarship (MIEM) program, Université Paris Sorbonne Cité (2016)

#### PROFESSIONAL EDUCATION

- Master of Science, Sapienza University of Rome (2018)
- Doctor of Philosophy, Universite De Paris (2021)
- Bachelor of Science, Sapienza University of Rome (2015)
- Master of Science, Universite De Paris VII (2018)
- PhD, Université Paris Cité , Genetics (2021)
- MSc, Université Denis Diderot - Paris VII , Genetics (2017)
- MSc, Sapienza, University of Rome , Genetics and molecular biology (2017)
- BSc, Sapienza, University of Rome , Biology (2015)

#### STANFORD ADVISORS

- Lars Steinmetz, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Sen1 is a key regulator of transcription-driven conflicts.** *Molecular cell*  
Aiello, U., Challal, D., Wentzinger, G., Lengronne, A., Appanah, R., Pasero, P., Palancade, B., Libri, D.  
2022
- **RNase H2 degrades toxic RNA:DNA hybrids behind stalled forks to promote replication restart.** *The EMBO journal*  
Heuzé, J., Kemiha, S., Barthe, A., Vilarrubias, A. T., Aouadi, E., Aiello, U., Libri, D., Lin, Y. L., Lengronne, A., Poli, J., Pasero, P.  
2023: e113104
- **DNA supercoiling restricts the transcriptional bursting of neighboring eukaryotic genes.** *Molecular cell*

Patel, H. P., Coppola, S., Pomp, W., Aiello, U., Brouwer, I., Libri, D., Lenstra, T. L.

2023; 83 (10): 1573-1587.e8

• **An integrated model for termination of RNA polymerase III transcription.** *Science advances*

Xie, J., Aiello, U., Clement, Y., Haidara, N., Girbig, M., Schmitzova, J., Pena, V., Müller, C. W., Libri, D., Porrua, O.

2022; 8 (28): eabm9875

• **Sen1 Is Recruited to Replication Forks via Ctf4 and Mrc1 and Promotes Genome Stability** *CELL REPORTS*

Appanah, R., Lones, E., Aiello, U., Libri, D., De Piccoli, G.

2020; 30 (7): 2094-2105