Stanford



Chiara Pirillo

Postdoctoral Scholar, Hematology-Oncology

Bio

HONORS AND AWARDS

- New Investigator Award, International Society for experimental hematology (2022)
- Blood Cancer uk Gordon Piller Studentship, Blood Cancer UK (Bloodwise) (2016-2020)
- Abstract selected for the British Society of Immunology Congress, British Society of Immunology (2023)
- Best poster presentation prize for the British Society of Imunology-Scottish Immunology Group, British Society of Immunology (2023)
- Abstract selected for the 61st American Society of Hematology meeting and Exposition, American Society of Hematology (2019)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, British Society of Immunology, British Society of Immunology (2020 - present)
- Member, European Hematology Association (EHA), European Hematology Association (2024 - present)
- Member, International society of experimental hematology (ISEH), International Society of experimental hematology (2016 - present)
- Member, American Society of Hematology (ASH), American Society of Hematology (2019 - present)

PROFESSIONAL EDUCATION

- Master of Science, Universita Degli Studi Di Pisa (2016)
- Bachelor of Science, Universita Degli Studi Di Pisa (2013)
- Doctor of Philosophy, Imperial College of London (2021)
- PhD, Imperial College, London , Hematology (2020)
- MSc, University of Pisa , Biomedical Sciences (2016)
- BSc, University of Pisa , Molecular Biology (2013)

STANFORD ADVISORS

- Kara Davis, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **DHODH as a Targetable Metabolic Achilles' Heel for chemo-resistant B-ALL.** *Blood*
  Liu, Y., Jiang, H., Liu, J., Stuani, L., Merchant, M. J., Jager, A., Koladiya, A., Chang, T. C., Domizi, P., Sarno, J., Wang, A., Keyes, T., Jedoui, et al
  2026
- **Lung influenza virus specific memory CD4 T cell location and optimal cytokine production are dependent on interactions with lung antigen-presenting cells.** *Mucosal immunology*

Hargrave, K. E., Worrell, J. C., Pirillo, C., Brennan, E., Masdefiol Garriga, A., I Gray, J., Purnell, T., Roberts, E. W., Kl MacLeod, M.
2024

- **Cotransfer of antigen and contextual information harmonizes peripheral and lymph node conventional dendritic cell activation.** *Science immunology*
  Pirillo, C., Al Khalidi, S., Sims, A., Devlin, R., Zhao, H., Pinto, R., Jasim, S., Shearer, P. A., Shergold, A. L., Donnelly, H., Bravo-Blas, A., Loney, C., Perona-Wright, et al
  2023; 8 (85): eadg8249

- **Metalloproteinase inhibition reduces AML growth, prevents stem cell loss, and improves chemotherapy effectiveness.** *Blood advances*
  Pirillo, C., Birch, F., Tissot, F. S., Anton, S. G., Haltalli, M., Tini, V., Kong, I., Piot, C., Partridge, B., Pospori, C., Keeshan, K., Santamaria, S., Hawkins, et al
  2022; 6 (10): 3126-3141

- **Inhibition of Endosteal Vascular Niche Remodeling Rescues Hematopoietic Stem Cell Loss in AML.** *Cell stem cell*
  Duarte, D., Hawkins, E. D., Akinduro, O., Ang, H., De Filippo, K., Kong, I. Y., Haltalli, M., Ruivo, N., Straszkowski, L., Vervoort, S. J., McLean, C., Weber, T. S., Khorshed, et al
  2018; 22 (1): 64-77.e6