Jun-Prof. Dr. Camilla Ciolli Mattioli

Group Leader
Helmholtz Institute for RNA-based Infection Research (HIRI)
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Education

2019	PhD, Max Delbrück Center for Molecular Medicine, Berlin, Germany
2013	MSc, Molecular Biotechnology, University of Florence, Italy
2011	BSc, Biotechnology, University of Florence, Italy

Positions

2026 - present	Group Leader, Helmholtz Institute for RNA-based Infection Research (HIRI), Würzburg, Germany
2026 - present	Junior Professor (W1), Faculty of Medicine, University of Würzburg, Germany
2019 - 2025	Postdoctoral Fellow, Weizmann Institute of Science, Rehovot, Israel
2022	Scientific Exchange Fellow, European Molecular Biology Laboratory (EMBL), Heidelberg, Germany
2015 - 2019	Doctoral Researcher, Institute for Medical Systems Biology, Berlin, Germany
2014 - 2015	Intern, Institute for Medical Systems Biology, Berlin, Germany
2014	Intern, Tuscan Institute for Tumor Research, Florence, Italy

Awards & Honors

Marie Curie Alumni Association Micro Grant (2023), Feinberg Graduate School Senior Postdoctoral Fellowship (2022 - 2025), EMBO Scientific Exchange Grant (2022), Azrieli Innovative Award (2022), Marie Skłodowska-Curie Individual Fellowship (2020 - 2025), AAAS/Science Program for Excellence in Science (2018), Peter und Traudl Engelhorn PhD Fellowship (2016 - 2019), Unipharma-Graduates Leonardo da Vinci Fellowship (2014 - 2015), DSU Toscana Fellowship (2014), Erasmus Fellowship (2009 - 2010)

Selected Publications

- **Ciolli Mattioli C** (2026)
  Hedging their bets: how bacterial pathogens diversify to survive infection
  Microbiology 14(91):102729

- **Ciolli Mattioli C**, Eisner K, Rosenbaum A, Wang M, Rivalta A, Amir A, Golding I, Avraham R (2023)
  Physiological stress drives the emergence of a Salmonella subpopulation through ribosomal RNA regulation
  Current Biology 33(22):4880-4892.e14

- Heyman O, Yehezkel D, **Ciolli Mattioli C**, Blumberger N, Rosenberg G, Solomon A, Hoffman D, Bossel Ben-Moshe N, Avraham R (2023)
  Paired single-cell host profiling with multiplextagged bacterial mutants reveals intracellular virulence-immune networks
  PNAS 120(28):e2218812120

- Rosenberg G, Yehezkel D, Hoffman D, **Ciolli Mattioli C**, Fremder M, Ben-Arosh H, Vainman L, Nissani N, Hen-Avivi S, Brenner S, Itkin M, Malitsky S, Ohana E, Ben-Moshe NB, Avraham R (2021)
  Host succinate is an activation signal for Salmonella virulence during intracellular infection
  Science 371(6527):400-405

- Persky Z, **Ciolli Mattioli C**, Garcia KZ, Azran O, Avraham R, Dar D (2026)
  Single-cell transcriptome imaging reveals conserved and virulence-linked phenotypic states in bacteria
  bioRXiv doi: 10.64898/2026.02.01.703127