
EVA PIANO MORTARI

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Birth: 19/01/1985

SKILLS

Team Collaboration, Staff Leadership, Organization, Published author, Quick learner, Oral communication
Immunology, Cellular biology, Molecular biology, FACS (FlowJo software), Immunofluorescence, ELISA, ELISpot, NGS, RNAseq, Antibody sequencing, Antigen-specific B and T cells, Statistical analysis, GraphPad

EDUCATION

- **Scuola di specializzazione in Patologia e Biochimica Clinica:** 2021-on going
- **P.h.D:** Immunology, 2015
- **Qualification of the profession of Biologist:** Biology
- **Master Degree:** Neurobiology, 2010
- **Bachelor Degree:** Biotechnology, 2007

PUBLICATIONS h- index: 19

- 1) Marasco E. et al. doi: [10.1002/eji.201646574](https://doi.org/10.1002/eji.201646574)
- 2) Aranburu A.*, Piano Mortari E.* et al. doi: [10.1002/eji.201646642](https://doi.org/10.1002/eji.201646642). *co-first author.
- 3) Piano Mortari E. et al. doi: [10.1016/j.jaci.2016.10.014](https://doi.org/10.1016/j.jaci.2016.10.014). corresponding author.
- 4) Piano Mortari E. et al. doi: [10.1080/15548627.2017.1389356](https://doi.org/10.1080/15548627.2017.1389356)
- 5) Marcellini, V.*, Piano Mortari E.* et al. doi: [10.3389/fimmu.2017.01158](https://doi.org/10.3389/fimmu.2017.01158). *co-first author.
- 6) Baban A. et al. doi: [10.1016/j.ijcard.2018.02.05](https://doi.org/10.1016/j.ijcard.2018.02.05)
- 7) Rosado MM. et al. doi: [10.1016/j.imlet.2018.04.010](https://doi.org/10.1016/j.imlet.2018.04.010)
- 8) Piano Mortari E. et al. Immunologia e allergologia pediatrica – II edizione Pacini editore.
- 9) Carsetti R. et al. doi: [10.3389/fimmu.2019.02937](https://doi.org/10.3389/fimmu.2019.02937)
- 10) Grimsholm O.*, Piano Mortari E.* et al. doi: [10.1016/j.celrep.2020.02.022](https://doi.org/10.1016/j.celrep.2020.02.022). *co-first author
- 11) Cifaldi C. et al. doi: [10.1002/jlb.5ma0220-239r](https://doi.org/10.1002/jlb.5ma0220-239r)
- 12) Carsetti R. et al. doi: [10.1016/S2352-4642\(20\)30135-8](https://doi.org/10.1016/S2352-4642(20)30135-8)
- 13) Carsetti R. et al. doi: [10.3389/fimmu.2020.610300](https://doi.org/10.3389/fimmu.2020.610300)
- 14) Colucci M. et al. doi: [10.3389/fimmu.2021.602826](https://doi.org/10.3389/fimmu.2021.602826)
- 15) Cinicola B. et al. doi: [10.3389/fped.2021.638871](https://doi.org/10.3389/fped.2021.638871)
- 16) Quinti I. et al. doi: [10.3389/fcimb.2021.655896](https://doi.org/10.3389/fcimb.2021.655896)
- 17) Zaffina S. et al. doi: [10.1016/j.jve.2021.100046](https://doi.org/10.1016/j.jve.2021.100046)
- 18) Ciocca M. et al. doi: [10.3389/fimmu.2021.690534](https://doi.org/10.3389/fimmu.2021.690534). Last name
- 19) Fernandez Salinas A. et al. doi: [10.1016/j.jaci.2021.08.031](https://doi.org/10.1016/j.jaci.2021.08.031)
- 20) Fernandez Salinas A. et al. doi: [10.1007/s10875-021-01133-0](https://doi.org/10.1007/s10875-021-01133-0)
- 21) Conti MG. Et al. doi: [10.1001/jamanetworkopen.2021.32563](https://doi.org/10.1001/jamanetworkopen.2021.32563)
- 22) Piano Mortari E. et al. doi: [10.3390/cells10102541](https://doi.org/10.3390/cells10102541)
- 23) Carsetti R. et al. doi: [10.1002/cyto.a.24507](https://doi.org/10.1002/cyto.a.24507). corresponding author
- 24) Pulvirenti F. et al. doi: [10.3390/cells10112915](https://doi.org/10.3390/cells10112915)
- 25) Carsetti R. et al. doi: [10.1002/cyto.a.24518](https://doi.org/10.1002/cyto.a.24518). corresponding author.
- 26) Terreri S.*, Piano Mortari E.* et al. doi: [10.1016/j.chom.2022.01.003](https://doi.org/10.1016/j.chom.2022.01.003). *co-first author.
- 27) Rossi MN. Et al. doi: [10.3389/fimmu.2022.804401](https://doi.org/10.3389/fimmu.2022.804401)
- 28) Costa S. et al. doi: [10.1055/a-1733-4163](https://doi.org/10.1055/a-1733-4163)
- 29) Pulvirenti F. et al. doi: [10.1093/infdis/jiab554](https://doi.org/10.1093/infdis/jiab554)
- 30) Zaffina S. et al. doi: [10.3389/fimmu.2022.869042](https://doi.org/10.3389/fimmu.2022.869042)
- 31) Carsetti R. et al. doi: [10.1182/blood.2022017594](https://doi.org/10.1182/blood.2022017594)
- 32) Pulvirenti F. et al. doi: [10.3390/cells11121918](https://doi.org/10.3390/cells11121918)
- 33) Piano Mortari E. and Pulvirenti F. doi: [10.1093/cei/uxac080](https://doi.org/10.1093/cei/uxac080)
- 34) Cinicola B.*, Piano Mortari E.* et al. doi: [10.3389/fimmu.2022.1094727](https://doi.org/10.3389/fimmu.2022.1094727). *co-first.
- 35) Conti MG et al. doi: [10.3389/fcimb.2024.1231697](https://doi.org/10.3389/fcimb.2024.1231697)
- 36) Piano Mortari E. doi: [10.3389/fimmu.2023.1194225](https://doi.org/10.3389/fimmu.2023.1194225)
- 37) Capone S. et al. doi: [10.1016/j.xcrm.2023.101084](https://doi.org/10.1016/j.xcrm.2023.101084)
- 38) Garofalo S. et al. doi: [10.1038/s41467-023-38899-3](https://doi.org/10.1038/s41467-023-38899-3)
- 39) Del Padre M. et al. doi: [10.3389/fimmu.2023.1094871](https://doi.org/10.3389/fimmu.2023.1094871)
- 40) Pulvirenti F. et al. doi: [10.1016/j.jaip.2022.10.010](https://doi.org/10.1016/j.jaip.2022.10.010)
- 41) Murdocca M. et al. doi: [10.3390/v15071417](https://doi.org/10.3390/v15071417)
- 42) Pulvirenti F. et al. doi: [10.3389/fimmu.2023.1249462](https://doi.org/10.3389/fimmu.2023.1249462).
- 43) Staniek J. et al. doi: [10.1126/sciimmunol.adj5948](https://doi.org/10.1126/sciimmunol.adj5948).
- 44) Piano Mortari E. and Carsetti R. Molecular B cell Biology – 2024 - Third Edition Academic Press Elsevier
- 45) Landolina N. et al. doi: [10.3389/fimmu.2024.1368946](https://doi.org/10.3389/fimmu.2024.1368946).
- 46) Mastronuzzi A. et al. doi: [10.1016/j.heliyon.2024.e34503](https://doi.org/10.1016/j.heliyon.2024.e34503).

CONFERENCES

- 1) Oral presentation: "The immunological basis of Vici syndrome". Congress: "SSIEM-SOCIETY FOR THE STUDY OF INBORN ERRORS OF METABOLISM", Roma, Italy 06-09-2016 to 09-09-2016
- 2) Poster to EMBO "To-B or not to-B: B-cells in health and disease". Poster title: "The Vici Syndrome protein EPG5 regulates intracellular nucleic acid trafficking linking autophagy to innate and adaptive immunity". Girona, Spain 10-09-2017 to 14-09-2017.
- 3) Invitation for an oral presentation to the international meeting "SFEIM 2017 Journee de la Societe Francaise pour l'etude des erreurs inees du metabolisme". Title: "Nouvelles approches therapeutiques pour les myopathies metaboliques Autophagie / mitophagie". Parigi, France 20-11-2017 to 20-11-2017.

- 4) Invitation for an oral presentation to Giornata Romana di Immunologia at the Consiglio Nazionale delle Ricerche. Title: "Memory B cell identity and function: somatic hypermutation and beyond". Rome, Italy from 04-12-2017 to 04-12-2017.
- 5) Poster presentation at "5th Conference on Translational Medicine on Pathogenesis and Therapy of Immune-mediated Diseases," at the University of Milano. Title: "Distinct phenotype of human memory B cells defines different type of immune deficiency". Milano, Italy 16-05-2019 to 18-05-2019.
- 6) Oral presentation to the international meeting "2nd European B cell Forum". Title of presentation: "The identification of functionally and phenotypically distinct subsets of human memory B cells defines the strategy of the human memory response throughout life". Frascati, Italy 08-07-2019 to 10-07-2019
I served on the scientific and organising committee of the 2nd European B cell Forum- Frascati, Italy. The international congress hosted more than 100 international speakers. I was involved in the selection of abstracts for the oral presentation and the writing of the final program.
- 7) Invitation for an oral presentation to Giornata Romana di Immunologia, Consiglio Nazionale delle Ricerche. Title "Distinct subsets of human memory B cells define the strategy of the human memory response during pregnancy and in the elderly". Rome, Italy 12-07-2019 to 12-07-2019.
- 8) Oral presentation to the international congress "II Joint Meeting of the German Society for Immunology (DGfI) and the Italian Society of Immunology, Clinical Immunology and Allergy (SIICA)". Title "Distinct subsets of human memory B cells define the strategy of the human memory response throughout life". Munich, Germany 10-09-2019 to 13-09-2019.
- 9) Oral and poster presentation at "ADITEC Meeting-Università degli studi di Siena". Title: "The strategies of immunological in the elderly". Siena, Italy 30-09-2019 to 02-10-2019
- 10) Poster presentation at "SIICA 2021- XII national congress" Virtual Edition. Title "Different Innate and adaptive immune responses to SARS-CoV-2 Infection of asymptomatic, mild, and severe cases". 26-05-2021 to 28-05-2021.
- 11) Invited speaker Thursday Morning Science Università degli Studi dell'Aquila. Title "Persistent B-cell memory after SARS-CoV- 2 vaccination is functional during breakthrough infections". 03-03-2022 al 03-03-2022.
- 12) Invited speaker "Public health Conference", Temple University, Philadelphia . Title: "Persistent B-cell memory after SARS- CoV-2 vaccination is functional during a breakthrough infections".10-03-2022 al 12-03-2022
- 13) Invited speaker "ISCAA- Italian Society for Cytometric Cell Analysis". Title "B cell and COVID-19". Catania, Italy from 25-05-2022 to 27-05-2022.
- 14) Oral speaker at international congress internazionale "the 4th European B cell Forum". Title "How memory B cells cope with SARS-CoV-2 and its variants". Egmond aan Zee, The Netherlands from 27-06-2022 to 29-06-2022.
- 15) Invited speaker at international congress "ESCAA-European society for Clinical Cell Analysis". Title "Development and performance of Spike-specific memory B cells after SARS-CoV- 2 vaccination". Belfast, Ireland 21-09-2022 to 24-09-2022.
- 16) Oral presentation at "XIV National Congress of the Italian Society of Immunology, Clinical Immunology and Allergy (SIICA). Title: "Memory B cells generated by vaccination or natural infection have different capacities to generate mucosal immunity". Verona, Italy 22-05-2023 al 25-05-2023
- 17) Poster presentation at IUIS congress: "SARS-CoV-2 infection shapes the integrin expression and migration ability of CD27+ B cells". Cape Town, South Africa 27-11-2023 to 02-12-2023.
- 18) Oral presentation at "42a conferenza nazionale di citometria – GIC". Titolo della relazione: "Tipizzazione linfocitaria in pediatria".
- 19) Oral presentation "6th SIICA International Conference of Translational Immunology". Title: "Lesson learned from COVID-19. A B-cell story". Monopoli, Italy 22 to 25-05-2024.
- 20) Invited speaker to "VIII congresso nazionale ISCAA" Title: "Measuring lymphocyte function in health and disease". Verona, Italy 29/31-05-2024.

TEACHING

- Faculty member at Temple University - Philadelphia (USA)- at the Rome campus. Teaching the Contemporary Biology course since 2018.
- Lecturer in the course "Advanced training in LAST-GENERATION CITOFLUORIMETRY", University of Milan. Edition of 2022 and 2023.
- The candidate was invited as lecturer at the course of Dr. Ola Grimsholm- University of Vienna (Medizinische Universität Wien) title of the talk "Human memory B cells in vaccination responses". from 16-05-2023 to 16-05-2023.

GRANT

- Coordinator and scientific responsible for the project 'Response to viral variants of memory B cells induced by the BNT162b vaccine' at the Ministry of Health, 5xmille (22000 euro), Bambino Gesù Children's Hospital from 01-01-2022 to 31-12-2022
- Coordinator and scientific responsible for the project "Memory B cells induced by anti-SARS-CoV-2 vaccination or infection have different capacities to generate mucosal immunity" at Ministero della Salute, 5xmille (50000 euro), Ospedale Pediatrico Bambino Gesù from 01-01-2023 to 31-12-2023
- Principal investigator: € 20000 funding in 2023 of the project "Memory B cells generated by vaccination or natural infection have different capacities to generate mucosal immunity" by ESCMID- European Society of Clinical Microbiology and Infectious Diseases 01-09-2023
- Coordinator and scientific responsible for the project " Unveil the complexity of tissue resident B cells in the upper respiratory tract" at Ministero della Salute, 5xmille (21785 euro), Ospedale Pediatrico Bambino Gesù from 01-01-2023 to 31-12-2023
- Coordinator and scientific responsible for the project " TLR7 gain-of-function" at Ministero della Salute, 5xmille (21600euro), Ospedale Pediatrico Bambino Gesù from 01-01-2024 to 31-12-2024

TEACHING DEGREE

Professore di II fascia settore 06/A2 conseguita il 17/12/2023

Professore di II fascia settore 06/N1 conseguita il 17/12/2023

Rome 23/12/2024

