

**BIOGRAPHICAL SKETCH**

NAME: Nicoletta Cieri, MD PhD

eRA COMMONS USER NAME (credential, e.g., agency login): NICOLETTACIERI

POSITION TITLE: Postdoctoral Fellow

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	Start Date MM/YYYY	Completion Date MM/YYYY	FIELD OF STUDY
San Raffaele University, Milan, Italy	M.D.	09/2004	07/2010	Medicine and Surgery
San Raffaele University, Milan, Italy	Ph.D	01/2011	03/2014	Cellular and Molecular Biology
University of Milan, Milan, Italy	Residency	12/2014	05/2020	Hematology
Dana-Farber Cancer Institute, Boston. US	Post-doc	09/2019	present	Medical Oncology

**A. Positions, Scientific Appointments and Honors****Positions and Scientific Appointments**

2021 Women in Cancer Immunotherapy Network (WIN) Leadership Institute attendee  
2021 – Present ASTCT member  
2020 – Present AACR member  
2019 – Present Postdoctoral Researcher, Dana-Farber Cancer Institute  
2014 – 2020 Resident in Hematology, Milan University, Milan (IT)

**Honors**

2020 AACR-Incyte Immuno-oncology Research Fellowship  
2019 Hematology clinical specialization awarded with honors  
2015 Mundipharma Hematology Award, 45th annual Italian Hematology Society (SIE) Congress  
2014 Basic Science Award, 40<sup>th</sup> annual European Bone Marrow Transplantation (EBMT) Congress  
2013 Jon J. Van Rood Award, 39<sup>th</sup> annual European Bone Marrow Transplantation (EBMT) Congress  
2013 Best Oral Presentation Award, 4<sup>th</sup> Cellular Therapy of Cancer Symposium, London, UK  
2010 M.D. awarded with honors

**B. Contributions to Science**

- Cieri N**, Camisa B, Cocchiarella F, Forcato M, Oliveira G, Provasi E, Bondanza A, Bordignon C, Peccatori J, Ciceri F, Lupo-Stanghellini MT, Mavilio F, Mondino A, Bicciato S, Recchia A, Bonini C. IL-7 and IL-15 instruct the generation of human memory stem T cells from naive precursors. *Blood*. 2013 Jan 24;121(4):573-84.
- Greco R, Mancini N, Peccatori J, **Cieri N**, Vago L, Giglio F, Morelli M, Ghidoli N, Carletti S, Levati G, Crucitti L, Sala E, Lupo Stanghellini MT, Lorentino F, Forcina A, Pavesi F, Carrabba M, Marktel S, Assanelli A, Marcatti M, Bernardi M, Corti C, Doglioni C, Scarpellini P, Burioni R, Bonini C, Clementi M, Ciceri F. Early molecular diagnosis of aspergillosis in a patient with acute myeloid leukaemia. *Heart Lung Vessel*. 2014;6(2):119-24
- Cieri N**, Mastaglio S., Oliveira G., Casucci M., Bondanza A., Bonini C. Adoptive immunotherapy with genetically modified lymphocytes in allogeneic stem cell transplantation. *Immunological Reviews*. 2014 Jan;257(1):165-80

4. **Cieri N**, Oliveira G, Greco R, Forcato M, Taccioli C, Valtolina V, Noviello M, Vago L, Bondanza A, Lunghi F, Marktelt S, Bellio L, Bordignon C, Bicciato S, Peccatori J, Ciceri F, Bonini C. Generation of human memory stem T cells upon haploidentical T-replete stem cell transplantation. *Blood*. 2015 Apr 30;125(18):2865-74.
5. Oliveira G, Ruggiero E, Stanghellini MT, **Cieri N**, D'Agostino M, Fronza R, Lulay C, Dionisio F, Mastaglio S, Greco R, Peccatori J, Aiuti A, Ambrosi A, Biasco L, Bondanza A, Lambiase A, Traversari C, Vago L, von Kalle C, Schmidt M, Bordignon C, Ciceri F, Bonini C. Tracking genetically engineered lymphocytes long-term reveals the dynamics of T cell immunological memory. *Sci Transl Med*. 2015 Dec 9;7(317):317ra198.
6. **Cieri N**, Di Bartolo O, Corradini P. Rituximab for indolent lymphomas before and after allogeneic HSCT. *Curr Opin Hematol*. 2015 Nov;22(6):469-75.
7. **Cieri N**, Greco R, Crucitti R, Morelli M, Giglio F, Levati G, Assanelli A, Lorentino F, Lupo-Stanghellini MT, Vago L, Freitas T, Marktelt S, Bernardi M, Corti C, Bonini C, Ciceri F, Peccatori J. Haploidentical transplantation using myeloablating conditioning, mobilized T-cell replete PBSCs, sirolimus and post-transplant Cy is safe and associated with a favorable immune reconstitution profile. *Biol Blood Marrow Transplant*. 2015 Aug;21(8):1506-14.
8. Biasco L, Scala S, Basso Ricci L, Dionisio F, Baricordi C, Calabria A, Giannelli S, **Cieri N**, Barzaghi F, Pajno R, Al-Mousa H, Scarselli A, Cancrini C, Bordignon C, Roncarolo MG, Montini E, Bonini C, Aiuti A. In vivo tracking of T cells in humans unveils decade-long survival and activity of genetically modified T memory stem cells. *Sci Transl Med*. 2015 Feb 4;7(273):273ra13.
9. Bonini C, Peccatori J, Lupo Stanghellini MT, Vago L, Bondanza A, **Cieri N**, Greco R, Bernardi M, Corti C, Oliveira G, Zappone E, Traversari C, Bordignon C, Ciceri F. Haploidentical HSCT: a fifteen years experience at San Raffaele. *Bone Marrow Transplant*. 2015 Jun;50 Suppl 2:S67-71.
10. Greco R, Oliveira G, Stanghellini MT, Vago L, Bondanza A, Peccatori J, **Cieri N**, Marktelt S, Mastaglio S, Bordignon C, Bonini C, Ciceri F. Improving the safety of cell therapy with the TK-suicide gene. *Front Pharmacol*. 2015 May 5;6:95.
11. Mastaglio S, Genovese P, Magnani Z, Ruggiero E, Landoni E, Camisa B, Schirotti G, Provasi E, Lombardo A, Reik A, **Cieri N**, Rocchi M, Oliveira G, Escobar G, Casucci M, Gentner B, Spinelli A, Mondino A, Bondanza A, Vago L, Ponzoni M, Ciceri F, Holmes MC, Naldini L, Bonini C. NY-ESO-1 TCR single edited stem and central memory T cells to treat multiple myeloma without graft-versus-host disease. *Blood*. 2017 Aug 3;130(5):606-618.
12. Greco R, Ciceri F, Noviello M, Bondanza A, Vago L, Oliveira G, Peccatori J, **Cieri N**, Ruggeri A, Koehl U, Fleischhauer K, Rocha V, Dazzi F, van der Werf SM, Eikema DJ, Terwel SR, Kuball J, Toubert A, Chabannon C, Bonini C; EBMT Cellular Therapy and Immunobiology Working Party (CTIWP). Immune monitoring in allogeneic hematopoietic stem cell transplant recipients: a survey from the EBMT-CTIWP. *Bone Marrow Transplant*. 2018 Sep;53(9):1201-1205.
13. Russo A, Oliveira G, Berglund S, Greco R, Gambacorta V, **Cieri N**, Toffalori C, Zito L, Lorentino F, Piemontese S, Morelli M, Giglio F, Assanelli A, Stanghellini MTL, Bonini C, Peccatori J, Ciceri F, Luznik L, Vago L. NK cell recovery after haploidentical HSCT with posttransplant cyclophosphamide: dynamics and clinical implications. *Blood*. 2018 Jan 11;131(2):247-262.
14. Mussetti A, De Philippis C, Carniti C, Bastos-Oreiro M, Gayoso J, **Cieri N**, Pennisi M, Ciceri F, Greco R, Peccatori J, Patriarca F, Mariotti J, Castagna L, Corradini P. CD3+ graft cell count influence on chronic GVHD in haploidentical allogeneic transplantation using post-transplant cyclophosphamide. *Bone Marrow Transplant*. 2018 Dec;53(12):1522-1531.
15. Noviello M, Manfredi F, Ruggiero E, Perini T, Oliveira G, Cortesi F, De Simone P, Toffalori C, Gambacorta V, Greco R, Peccatori J, Casucci M, Casorati G, Dellabona P, Onozawa M, Teshima T, Griffioen M, Halkes CJM, Falkenburg JHF, Stölzel F, Altmann H, Bornhäuser M, Waterhouse M, Zeiser R, Finke J, **Cieri N**, Bondanza A, Vago L, Ciceri F, Bonini C. Bone marrow central memory and memory stem T-cell exhaustion in AML patients relapsing after HSCT. *Nat Commun*. 2019 Mar 25;10(1):1065.
16. Toffalori C, Zito L, Gambacorta V, Riba M, Oliveira G, Bucci G, Barcella M, Spinelli O, Greco R, Crucitti L, **Cieri N**, Noviello M, Manfredi F, Montaldo E, Ostuni R, Naldini MM, Gentner B, Waterhouse M, Zeiser R, Finke J, Hanoun M, Beelen DW, Gojo I, Luznik L, Onozawa M, Teshima T, Devillier R,

- Blaise D, Halkes CJM, Griffioen M, Carrabba MG, Bernardi M, Peccatori J, Barlassina C, Stupka E, Lazarevic D, Tonon G, Rambaldi A, Cittaro D, Bonini C, Fleischhauer K, Ciceri F, Vago L. Immune signature drives leukemia escape and relapse after hematopoietic cell transplantation. *Nat Med*. 2019 Apr;25(4):603-611.
17. Mussetti A, Pellegrinelli A, **Cieri N**, Garzone G, Dominoni F, Cabras A, Montefusco V. PD-L1, LAG3, and HLA-DR are increasingly expressed during smoldering myeloma progression. *Ann Hematol*. 2019 Jul;98(7):1713-1720.
  18. Mussetti A, Martinetti N, **Cieri N**, Pennisi M, Doderò A, Corradini P. Real-life feasibility of salvage allogeneic transplantation in peripheral T-cell lymphomas. *Bone Marrow Transplant*. 2019 Aug;54(8):1237-1244.
  19. Cianciotti BC, Ruggiero E, Campochiaro C, Oliveira G, Magnani ZI, Baldini M, Doglio M, Tassara M, Manfredi AA, Baldissera E, Ciceri F, **Cieri N\***, Bonini C\*. CD4+ memory stem T cells recognizing citrullinated epitopes are expanded in patients with Rheumatoid Arthritis and sensitive to TNF- $\alpha$  blockade. *Arthritis Rheumatol*. 2019 Nov 4. doi: 10.1002/art.41157. \*Equal contribution.
  20. Oliveira G, Stromhaug K, Klaeger S, Kula T, Frederick DT, Le PM, Forman J, Huang T, Li S, Zhang W, Xu Q, **Cieri N**, Clauser KR, Shukla SA, Neuberg D, Justesen S, MacBeath G, Carr SA, Fritsch EF, Hacohen N, Sade-Feldman M, Livak KJ, Boland GM, Ott PA, Keskin DB, Wu CJ. Phenotype, specificity and avidity of antitumour CD8+ T cells in melanoma. *Nature*. 2021 Aug;596(7870):119-125.
  21. **Cieri N**, Maurer K, Wu CJ. 60 Years Young: The Evolving Role of Allogeneic Hematopoietic Stem Cell Transplantation in Cancer Immunotherapy. *Cancer Res*. 2021 Jun 9;canres.0301.2021.
  22. **Cieri N**, Wu CJ. Splice it up: Atypical transcripts to boost leukemia immunotherapy. *Immunity*. 2021 Apr 13;54(4):608-610. doi: 10.1016/j.immuni.2021.03.016.
  23. Penter L, Zhang Y, Savell A, Huang T, **Cieri N**, Thrash EM, Kim-Schulze S, Jhaveri A, Fu J, Ranasinghe S, Li S, Zhang W, Hathaway ES, Nazzaro M, Kim HT, Chen H, Thurin M, Rodig SJ, Severgnini M, Cibulskis C, Gabriel S, Livak KJ, Cutler C, Antin JH, Nikiforow S, Koreth J, Ho VT, Armand P, Ritz J, Streicher H, Neuberg D, Hodi FS, Gnjatic S, Soiffer RJ, Liu XS, Davids MS, Bachireddy P, Wu CJ. Molecular and cellular features of CTLA-4 blockade for relapsed myeloid malignancies after transplantation. *Blood*. 2021 Jun 10;137(23):3212-3217.
  24. **Cieri N**, Maurer K, Wu CJ. 60 Years Young: The Evolving Role of Allogeneic Hematopoietic Stem Cell Transplantation in Cancer Immunotherapy. *Cancer Res*. 2021 Sep 1;81(17):4373-4384.
  25. Bachireddy P, Azizi E, Burdziak C, Nguyen VN, Ennis CS, Maurer K, Park CY, Choo ZN, Li S, Gohil SH, Ruthen NG, Ge Z, Keskin DB, **Cieri N**, Livak KJ, Kim HT, Neuberg DS, Soiffer RJ, Ritz J, Alyea EP, Pe'er D, Wu CJ. Mapping the evolution of T cell states during response and resistance to adoptive cellular therapy. *Cell Rep*. 2021 Nov 9;37(6):109992.
  26. Purroy N, Tong YE, Lemvigh CK, **Cieri N**, Li S, Parry EM, Zhang W, Rassenti LZ, Kipps TJ, Slager SL, Kay NE, Lesnick C, Shanafelt TD, Ghia P, Scarfò L, Livak KJ, Kharchenko PV, Neuberg DS, Olsen LR, Fan J, Gohil SH, Wu CJ. Single-cell analysis reveals immune dysfunction from the earliest stages of CLL that can be reversed by ibrutinib. *Blood*. 2022 Apr 7;139(14):2252-2256.
  27. Oliveira G, Stromhaug K, **Cieri N**, Iorgulescu JB, Klaeger S, Wolff JO, Rachimi S, Chea V, Krause K, Freeman SS, Zhang W, Li S, Braun DA, Neuberg D, Carr SA, Livak KJ, Frederick DT, Fritsch EF, Wind-Rotolo M, Hacohen N, Sade-Feldman M, Yoon CH, Keskin DB, Ott PA, Rodig SJ, Boland GM, Wu CJ. Landscape of helper and regulatory antitumour CD4+ T cells in melanoma. *Nature*. 2022 May;605(7910):532-538.

Complete List of Published Work in My Bibliography:

<https://www.ncbi.nlm.nih.gov/myncbi/nicoletta.cieri.1/bibliography/public/>