

Rebecca Sembenico

● WORK EXPERIENCE

HEMATOLOGIST – PERUGIA GENERAL HOSPITAL – 17/02/2025 – 31/10/2025 – PERUGIA, ITALY

Hematology and Blood and Marrow Transplantation
Clinical aspects of post-HSCT period

DATA COLLECTION – 2021 – Current

Collection of data and compilation of Med-A forms for EBMT for allogeneic stem cell transplants performed at Hematology - Hospital of Perugia

ACADEMIC TUTORING STUDENT – UNIVERSITY OF PERUGIA – 2018 – 2019 – PERUGIA

PART-TIME INTERNSHIP – UNIVERSITY OF PERUGIA – 2016 – PERUGIA

● EDUCATION AND TRAINING

01/11/2025 – CURRENT

PHD IN CLINICAL AND MOLECULAR MEDICINE BIOTECHNOLOGY IN HEMATOLOGY, CELL THERAPIES, AND HUMAN BONE MARROW TRANSPLANTATION University of Perugia

26/01/2021 – 25/02/2025 Perugia, Italy

HEMATOLOGY RESIDENCY University of Perugia

Hematology and Blood and Marrow Transplantation

Thesis Treg Selection from G-CSF Stimulated Donors Improves Outcomes of Immune-Suppression Free HLA-Haploidentical Hematopoietic Cell Transplantation with T Cell Adoptive Immunotherapy

2014 – 2020 Perugia, Italy

DEGREE IN MEDICINE AND SURGERY University of Perugia

Final grade 110/110 cum laude | **Thesis** Characterization of regulatory T cell subclones with a high immunosuppressive activity

2009 – 2014 Trento, Italy

HIGH SCHOOL DIPLOMA Scientific High School "G. Galilei"

Final grade 100/100

2012 – 2013 Topeka, Kansas, United States

FORTH YEAR OF HIGH SCHOOL ABROAD Washburn Rural High School

23/08/2025

ICH GOOD CLINICAL PRACTICE E6(R3) The global health network

2025

ACLS-AHA

Field of study Advances Cardiovascular Life Support Certificate

● LANGUAGE SKILLS

Mother tongue(s): **ITALIANO**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

2021
Acute GvHD after HLA-Haploidentical Hematopoietic Cell Transplantation with Regulatory and Conventional T Cell Immunotherapy Does Not Adversely Affect Transplantation Outcomes

2022
CPX-351 COMBINED WITH HEMATOPOIETIC CELL TRANSPLANTATION WITH REGULATORY AND CONVENTIONAL T CELL IMMUNOTHERAPY FOR HIGH-RISK ACUTE MYELOID LEUKEMIA

2022
HLA-Matched Treg/Tcon Allogeneic Hematopoietic Cell Transplantation Is Safe and Ensures Remarkable Chronic GvHD/Leukemia Free Survival in High-Risk Leukemia Patients

2023
Blinatumomab Redirects Donor Lymphocytes against CD19+ Acute Lymphoblastic Leukemia without Relevant Bystander Alloreactivity after Haploidentical Hematopoietic Stem Cell Transplantation

2023
EBV REACTIVATION AND PTLD AFTER ALLO-HSCT. A SINGLE CENTER EXPERIENCE IN T-CELL DEPLETED TRANSPLANTS WITH ADOPTIVE IMMUNOTHERAPY AND IN UNMANIPULATED TRANSPLANTS WITH POST-TRANSPLANT GVHD PROPHYLAXIS

2024
Hematopoietic stem cell transplant with regulatory and conventional T cell adoptive immunotherapy in TP53-mutated/deleted AML

Poster presentation at EBMT Congress 2024

2024
Safety of 20Gy Total Marrow Irradiation Based Conditioning Regimen for Hematopoietic Cell Transplantation with T Cell Adoptive Immunotherapy

Journal Name: Blood - The 66th ASH Annual Meeting

2024
Treg Selection from G-CSF Stimulated Donors Improves Outcomes of Immune-Suppression Free HLA-Haploidentical Hematopoietic Cell Transplantation with T Cell Adoptive Immunotherapy

Journal Name: The 66th ASH Annual Meeting

2025
G-CSF IMPROVES TREG SELECTION AND OUTCOMES OF HLA-HAPLOIDENTICAL HEMATOPOIETIC CELL TRANSPLANTATION WITH T CELL ADOPTIVE IMMUNOTHERAPY

Abstract and oral presentation

Journal Name: EHA2025 Congress

2024
ROLE OF HUMAN HERPESVIRUS 6 REACTIVATION IN T-DEplete TREG/TCON ALLOGENEIC STEM CELL TRANSPLANTATION

Abstract

2024
IS THERE A PLACE FOR ANTI-HCMV HUMAN IMMUNOGLOBULIN AS PRE-EMPTIVE THERAPY IN T-DEplete TREG/TCON ALLOGENEIC STEM CELL TRANSPLANTATION?

2025
TREG SELECTION FROM G-CSF STIMULATED DONORS IMPROVES OUTCOMES OF IMMUNE-SUPPRESSION FREE HLA-HAPLOIDENTICAL HEMATOPOIETIC CELL TRANSPLANTATION WITH T CELL ADOPTIVE IMMUNOTHERAPY

2025
Role of donor regulatory T cell adoptive immunotherapy in B cell immunity after hematopoietic cell transplantation

2025
Shedding light on the complicated world of alloreactive NK cells

2025
MONOCLONAL GAMMOPATHY AFTER ALLO-HSCT: A SINGLE CENTER EXPERIENCE IN T-CELL DEPLETED TRANSPLANTS WITH TREG/TCON ADOPTIVE IMMUNOTHERAPY

● **CONFERENCES AND SEMINARS**

02/09/2022 – 04/09/2022 Barcelona, Spain
EBMT 7th International Transplant Course

Oral presentation of case report titled "Hematopoietic cell transplantation with regulatory and conventional T cells is effective in NUP98-rearranged acute myeloid leukemia"

03/11/2022 – 05/11/2022 Florence, Italy
25th INFECTIOUS DISEASE WORKING PARTY EDUCATIONAL COURSE

Participant

19/09/2022 Assisi, Italy
"HOT TOPICS in VOD" Percorso condiviso fra i centri di riferimento di Umbria e Lazio

Speaker

07/07/2022 Digital workshop
VOD BAND IN EUROPE

24/06/2022 Perugia, Italy
Percorsi di cura innovativi nella leucemia linfatica cronica

Treatment of CLL
Participant

21/10/2022 – 22/10/2022 Milan, Italy
VOD BAND IN EUROPE

Participant

11/03/2022 – 12/03/2022 Pisa, Italy

AML e sVOD: IL RUOLO DELL'IMAGING Ultrasound course for diagnosis of VOD (veno-occlusive disease) and NEC (necrotizing enterocolitis)

Participant

22/06/2023 – 23/06/2023 Naples, Italy

Progressi in Ematologia: I giovani come protagonisti

Hematology course for hematology residents

Participant

29/06/2023 Perugia, Italy

LMC, come affrontare la malattia resistente nel 2023

Treatment of resistant CML

Participant

18/11/2023 – 21/11/2023 Rome

CORSO TEORICO DI FORMAZIONE IN ULTRASONOLOGIA

Theoretical course on ultrasound

Participant

13/05/2024 – 14/05/2024 Naples

Riunione Nazionale GITMO

Participant

29/05/2024 – 30/05/2024 Milano

Space X. Spazio all'innovazione e al confronto nel trattamento della LMA R/R FLT3+

Participant

2023 – 2024

EHA Masterclass

Participant

06/07/2023 – 11/11/2023 Pisa

Corso di PERFEZIONAMENTO ECOGRAFICO in Ematologia

Ultrasonographic course focused on hematologic patients

01/04/2025 Florence

50th Annual Meeting of the EBMT

Poster presentation: "Treg Selection from G-CSF Stimulated Donors Improves Outcomes of Immune-Suppression Free HLA-Haploidentical Hematopoietic Cell Transplantation with T Cell Adoptive Immunotherapy"

12/06/2025 – 15/06/2025 Milan

EHA2025 Congress

Oral presentation: "G-CSF IMPROVES TREG SELECTION AND OUTCOMES OF HLA-HAPLOIDENTICAL HEMATOPOIETIC CELL TRANSPLANTATION WITH T CELL ADOPTIVE IMMUNOTHERAPY"

11/09/2025 – 13/09/2025 Königstein/Taunus

International CMV symposium

01/10/2025 – 03/10/2025 Perugia

EHA-SWG Pilot Preceptorship on AML Diagnostics

Faculty member

10/12/2025

Training on the use of the CNT platform for reporting serious adverse events and reactions – CCM project.

Development of a platform for reporting serious adverse events and reactions by hematopoietic stem cell transplant programs

I hereby declare that the information provided in this CV is true and accurate to the best of my knowledge



Perugia , 22/12/2025

Rebecca Sembenico