

BIOGRAPHICAL SKETCH			
NAME Silvia Deaglio, M.D., Ph.D. D.o.B May 29, 1974 (CF: DGLSLV74E69L219Z)		POSITION Full Professor of Medical Genetics	
EDUCATION/TRAINING			
INSTITUTION, LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
University of Torino, Italy	M.D.	1992-1998	Medicine
University of Torino, Italy	Board Certification	1998-2002	Oncology
University of Torino, Italy	Ph.D.	2002-2006	Genetics
The European Board of Surgery	Diploma (Fellow of the Board of surgery in Transplant Immunology)	2021	Transplant Immunogenetics

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Personal statement

After obtaining an MD degree and training as a medical oncologist, I enrolled in the PhD program in Genetics at the University of Turin, working on the role of the functional characterization of the *CD38* gene family. In 2004-2005, I trained at the **Transplant Immunology Unit of the Beth Israel Deaconess Medical Center** of Harvard University with Drs. Simon Robson and Terry Strom, where we identified molecular components and genetic regulation of the suppressive machinery of regulatory T cells. After going back to Italy at the end of 2005 as Assistant Professor of Genetics, I obtained my first two grants as an independent investigator, focused on the genetic characterization of tumor-host interactions. From 2010 to 2019 I was principal investigator (PI) of the **Immunogenetics Unit** of the Human Genetics Foundation in Turin (now **Italian Institute for Genomic Medicine, IIGM**, www.hugef-torino.org), Italy. At the end of 2011 I became **Associate Professor of Genetics at the University of Torino**. From 2014 to 2016, I was **visiting associate professor at Weill Cornell Medical College**, to set up patient-derived xenograft models of CLL and Richter syndrome. Since September 2016 I joined the **Immunogenetics and Transplant Biology Unit of the Città della Salute e della Scienza University Hospital** of Torino, with the aim of setting up a **diagnostic platform to provide genetic diagnosis and counseling to patients in need of organ transplant** with a suspected underlying monogenic disease and to patients with HLA-associated diseases. My research activities during this time have become increasingly focused on understanding genotype-phenotype relationships. Lastly, I am involved in genetic typing and cross-matching for organ donors and in providing counseling for patients with HLA-associated diseases. Starting July 1, 2022 I am **Full Professor of Genetics**.

Positions and Employment

- 1993-1998: Internal student, Laboratory of Cell Biology, Department of Genetics, Biology and Biochemistry, University of Torino.
- 1999-2002: Oncology fellow, Oncology Division, Molinette Hospital, Torino, Italy.
- 2002-2004: Clinical attending physician, Breast Cancer Clinic, Oncology Division, Molinette Hospital, Torino, Italy.
- 2002-2006: Ph.D. student (Genetics), Laboratory of Immunogenetics, Department of Genetics, Biology and Biochemistry, University of Torino.
- 2004-2005: Instructor in Medicine and (2005) Visiting Assistant Professor, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA (Reference: Simon Robson and Terry Strom).
- 2005-2011: Assistant Professor of Medical Genetics (“Ricercatore”, “Confermato” since Jan 1, 2008), University of Torino Medical School, Torino, Italy.
- 2010-2019: PI, Immunogenetics Research Unit of the Italian Institute for Genomic Medicine (formerly Human Genetics Foundation), Turin, Italy.
- 2011-2022: **Associate Professor of Medical Genetics, University of Torino Medical School, Torino, Italy.**
- 2014-2016: Visiting Associate Professor, Department of Pathology and Laboratory Medicine, Weill Cornell Medical Center, Cornell University, New York, NY.

2016- Visiting scientist, Department of Medicine, Weill Cornell Medicine, Cornell University, New York, NY.

Sept 2016-: **Medical Doctor (dirigente medico), Servizio di Immunogenetica e Biologia dei Trapianti, Città della Salute e della Scienza Hospital, Turin, Italy.**

July 2022-: **Full Professor of Medical Genetics, University of Turin, Turin, Italy**

Research periods abroad

May 2003: Department of Hematology, Essen University (Essen, Germany)

May 2004-November 2005: Beth Israel Deaconess Medical Center, Harvard University (Boston, MA)

March 2007: The Feinstein Institute for Medical Research (Manhasset, NY)

September 2014-August 2016: Weill Cornell Medical Center (New York, NY)

Professional Memberships

2003-: American Association for Cancer Research (full member)

2004-: American Association of Immunologists (full member)

2008-: Italian Society for Experimental Hematology (full member)

2008-: American Association of Hematologists (full member)

2009-: Member of the European Research Initiative on CLL (ERIC)

2012-: Member of the Henry Kunkel Society

2015-: Member of the European Federation of Immunogenetics (EFI)

2016-: Member of the Italian Society of Human Genetics (SIGU)

Reviewer and editorial activities for:

Journal reviewer for: Blood, Leukemia, Cancer Research, Clinical Cancer Research, The Journal of Immunology, Haematologica, Molecular Medicine, Leukemia and Lymphoma, Leukemia Research, Expert Reviews in Hematology, Experimental Cell Research, European Journal of Haematology, Purinergic Signaling, Journal of Transplantation, Journal of Cancer Research and Clinical Oncology, International Journal of Molecular Sciences, Human Immunology.

Grant reviewer for: AERES, Cancer Research UK, Irish Health Research Board, European Hematology Association, Swiss National Science Foundation, Leukaemia & Lymphoma Research, Italian Ministry of Education, National Science Center of Poland, Health Research Council of New Zealand.

Member of the Editorial board of:

- Blood (https://ashpublications.org/blood/pages/editorial_board_and_staff) IF: 17.543
- Cancers (<https://www.mdpi.com/journal/cancers/editors#editorialboard>) IF: 6.126
- Editor for "Frontiers in Immunology", T cell biology section

(<http://journal.frontiersin.org/journal/immunology#editorial-board>) IF:6.4

- Associate Editor for Purinergic Signalling (<https://www.springer.com/journal/11302/editors>) IF:3.886
- Current Signal Transduction Therapy (<http://www.bentham.org/cstt/EBM.htm>);
- American Journal of Cancer Research (<http://www.aacr.org/EditorialBoard.html>)
- Journal of Cancer Therapeutics and Research"

(<http://www.hoajonline.com/Journal-of-Cancer-Therapeutics-and-Research.html#tabs2-2>)

- World Journal of Translational Medicine (<http://www.wjnet.com/2220-6132office/>)
- World Journal of Biological Chemistry (<http://www.wjnet.com/1949-8454/edboard.htm>)
- International Journal of Cancer Immunology and Immunotherapy
- Section Editor for Open Medicine Journal (<http://degruyteropen.com/people/sdeaglio/>)
- Journal of Immunology and Immunotherapy

Teaching Duties

- Course on Medical Genetics, for adult and pediatric nurses (since 2005), University of Torino
- Course on Human Genetics for Medical Students, University of Torino
- Course on Medical Genetics for Lab Technicians
- Course of Immunogenetics for trainees (specializzandi) in Medical Genetics
- Course on "New frontiers in Immunogenetics" for students of an "Immunogenetics Masters"
- Trained 11 PhD students (Tiziana Vaisitti, Semra Aydin, Ifigenia Saborit Villaroya, Valentina Audrito, Sara Serra, Cinzia Bologna, Federica Gaudino, Vincenzo Gianluca Messina, Benjamin Gyau, Monica Sorbini,

Martina Migliorero) and 15 MS/MD students, including 3 students of the MD/PhD program of the University of Turin.

- Normally training 2 new MDs/year and 1-2 BS/PhD/year specializing in medical genetics. Training includes medical and laboratory activities. Training course lasts 4 years.

Honors

- 1996: PBI international Prize for the best abstract presented at the 1996 Immunology Cooperation Group (GCI) meeting in L'Aquila, Italy.
- 1998: Telethon Foundation Prize for scientific research, Roma, Italy.
- 1999: Optime Prize for best qualified students, Industrial Association of Torino. Torino, Italy.
- 2002: Cecilia Cioffrese prize for cancer research (Milano, Italy)
- 2004: Walter Knapp Young Investigator Award. Prize presented at the VIII HLDA Congress, December 10-14, 2004, Adelaide, Australia.
- 2006: Italian Cancer League Prize for translational researches in hematology (Asti, October 18, 2006)

Institutional Responsibilities

- 2006- Member of the PhD School in Biomedical Sciences and Oncology
- 2014- Member of the MD/PhD program of the University of Turin, Italy (Tutor of 2 students)
- 2018- Director of the Biobank of the Department of Medical Sciences (http://www.progettoeccellenzateseo.unito.it/it/biobank_personel)

Meeting organizer / session chair

- Member of the Scientific Committee of the first "CD38 ectoenzyme family" meeting, Turin, June 2006
- Abstract reviewer and session chair for 57th and 58th annual meetings of the American Society of Hematology (2015, 2016)
- Member of the Scientific Committee of the Keystone Symposium on purinergic signalling (Vancouver, 2016)
- Member of the Scientific Committee of the 17th International Workshop on CLL (New York, June 2017)
- Abstract Reviewer and Session Chair for the American Society of Hematology (57th, 58th and 61st meetings)

Selected lectures and seminars (2017-2022)

2017:

- Invited speaker at the UK CLL Forum, London, March 7, 2017.
- Seminar ECGEB, Trieste, January 31, 2017. (Host. Dr. D. Efremov)
- Seminar University Federico II, Naples, Feb 2, 2017.
- Seminar at the German Cancer Research Center (Heidelberg, June 1st 2017)
- Member of the scientific committee, abstract reviewer and session chair at the iwCLL meeting, New York, May 12-15, 2017.
- Speaker at the GIC (Gruppo Italiano di Citometria) annual meeting, Oc 3-4, 2017
- Speaker at the AIBT (Associazione Italiana Biologia Trapianti) annual meeting, Oct5 2017
- Speaker at the annual meeting of the Associazione Italiana Colture Cellulari, Milan, Nov 27-28, 2017
- Speaker at the 6° Workshop Nazionale di Ematologia Traslazionale of the Italian Society for Experimental Hematology (SIES), Parma, November 17-18, 2017.

2018

- Speaker at the International Symposium on CHRONIC LYMPHOCYTIC LEUKEMIA: ADVANCES IN PATHOGENESIS AND TREATMENT. Venice, March 2018
- Speaker at the Cancer Cluster Salzburg Conference, Salzburg April 2018
- Speaker at the ASH Lymphoma Biology Meeting, Washington, August 2-5, 2018
- Speaker at the ERIC International Meeting "New Frontiers in CLL Research", Barcelona October 2018

2019

- Seminar, Lymphoma Biology Series, Cambridge University (Host. Dr. I Ringshausen)
- Speaker at the iwCLL meeting, Edinburg, UK, Sept 20-23 2019

- Speaker at the 5th ESH Conference on lymphoid malignancies, Estoril, Portugal, Oct 2-5, 2019
- Speaker at the Lymphoma and Myeloma Conference, New York, October 23-26, 2019

2020

- Speaker at the First Translational Research Conference on Chronic Lymphocytic Leukemia (virtual conference, november 2020)

2021

- Speaker at the Ninth Annual Meeting of the Society of Hematologic Oncology (SOHO 2021), September 8-11, 2021, Houston, Texas (virtual meeting).
- Speaker at the National Meeting of the Italian Society for Organ Transplantation (SITO, Naples, October 3-5, 2021)
- Member of the Jury for the Gagna Prize for Incurable diseases 2021 Editions (prize awarded to Guillaume Canaud)
- Speaker at the international course "Training on strategies to foster solutions of undiagnosed RD cases", October 27-29 2021 (online event)
- Speaker, 63rd American Society of Hematology Meeting, Atlanta, GA, December 11-14, 2021

2022

- Speaker and session chair at the European Society of Hematology Meeting Course on CLL, March 17-20, 2022.
- Speaker at the international course "Training on strategies to foster solutions of undiagnosed rare cases", April 11-13, 2022

Active funding

Title	Project code	Funding agency	Duration	Amount (euros)	Role
A ménage à trois involving the B cell receptor, NOTCH1 and NAMPT: therapeutic implications for CLL and RS patients	IG23095	AIRC	2020-2024	660.000 (approx 130.000 / year)	PI
Understanding and targeting the extracellular NADome in inflammation		Miur – PRIN project	2020-2022	155.000	PI of operative unit
Integrating chemical and biological approaches to target NAD production and signaling in cancer	“INTEGRATA”, ITN project 813284	H2020	2019-2023	216.499	PI of operative unit
Traguardi di eccellenza nelle scienze mediche esplorando le omiche	Progetto strategico di Eccellenza Dipartimentale D15D18000410001	Miur – Dipartimenti di Eccellenza	5 years, start date 01-01-2018	400.000 (approx 80.000 / year)	PI of operative unit (area trapianti)
Traguardi di eccellenza nelle scienze mediche esplorando le omiche	Progetto strategico di Eccellenza Dipartimentale D15D18000410001	Miur – Dipartimenti di Eccellenza	5 years, start date 01-01-2018	265.000 (approx 53.000 / year)	PI of operative unit (biobank)

Monitoraggio Rigetto Acuto Trapianto d'Organo (MiRATO)	Progetto PoC (proof of concept)	Fondazione Links	01-04- 2022	50,000	PI
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Career breaks

- Giacomo (Jan 27, 2006)
- Enrico (June 25, 2008)
- Pietro (Oct 2, 2012)

Publication metrics (as of March 15, 2023):

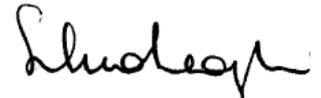
Author of 200 publications in PubMed

First/last/corresponding author publications: 82 (41%)

H-index: 59 (Scopus) Total citations: 12341

Publication list: <https://pubmed-ncbi-nlm-nih-gov.bibliopass.unito.it/?term=deaglio>

Turin, March 22, 2023



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