



Giovanni Migliaccio

Gender: Male **Date of birth:** 1951/10/24 **Nationality:** Italian

WORK EXPERIENCE

Istituto Superiore di Sanità

[1984/06 – 1993/02] **Researcher**

Execution of research project, supervision of technicians
Planning of independent research activities
Data analysis
Manuscript preparation and submission

Istituto Superiore di Sanità

[1993/02 – 1998/01] **Senior Researcher**

Execution of research project, supervision of technicians
Planning of independent research activities
Data analysis
Manuscript preparation and submission
Direction of a section

Istituto Superiore di Sanità

Country: Italy

[1998/01 – 2017/06] **Director of Research**

Planning of independent research activities
Data analysis
Manuscript preparation and submission
Direction of a section

EATRIS WWW.EATRIS.EU

Address: 1118 De Boelelaan, 1081 HZ, Amsterdam, Netherlands | **Business or sector:**
Professional, scientific and technical activities

[2012/01/01 – 2017/12/31] **Scientific Director**

- SELECTION AND MANAGEMENT OF SCIENTIFIC SERVICES
- DESIGN OF SCIENTIFIC STRATEGIC PROJECTS

EATRIS

City: Amsterdam | **Country:** Netherlands

[2018/01/01 – Current] **Senior Advisor**

- Advice on Regulatory and Ethical issues in Translational Medicine

CVBF

City: Pavia | **Country:** Italy

[2018/07/01 – 2026/01/31]

Scientific Director

- Supervising the scientific activities of the CVBF
- Providing advice on Regulatory and Ethical Issues in Translational Medicine

European Paediatric Translational research Infrastructure EPTRI AISBL

City: Leuven | **Country:** Belgium

[2024/12/31 – Current]

Board of Directors

- Strategic direction of EPTRI AISBL

NANOTEC Institute - CNR

City: Lecce | **Country:** Italy

[2025/02/01 – Current]

Associate Member

- contribution to the translational development plans

CVBF

City: Pavia | **Country:** Italy

[2026/01/31 – Current]

Regulatory Affairs Advisor

- Member of the Executive Management Group
- Support in the Drug Development Consultancy
- Support in the Translational Research
- Support in the Scientific project Preparation

Teddy Network (European Network of Excellence for Paediatric Research)

City: Bari | **Country:** Italy

[2026/01/31 – Current]

Scientific Director

- Contribution to define the Scientific Activities of the Network
- Participation to the Board of Directors
- Support the Consultancy Activities of the Network

**EDUCATION AND TRAIN-
ING**

[1972/09 – 1977/06]

Laurea Sperimentale in Scienze Biologiche

Università Federico II (Napoli)

Basic and advanced Biological sciences with 36 different course

Inclusion of two year experimental design for the thesis with final dissertation awarded cum laude

[1986/06 – 1988/12]

Post Doctoral Fellow

University of Washington, Seattle WA

Growth factors in Hematopoiesis

Stem cells

[1989/01 – 1993/09]

Associate Member

New York Blood Center

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 READING C1 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C1

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

SKILLS

Microsoft Office

NETWORKS AND MEMBERSHIPS

- [1999 – 2000] **EMEA** London
- Member of the drafting group for the Cell Therapy Guidelines for EMEA, London UK
1999 to 2000
- [2003 – 2004] **EDQM** Strasbourg
- Member of the Cell Therapy Group of the European Pharmacopeia 2003 to 2004
- [2005 – 2012] **EMEA** London
- Member of the Cell Product Working Party of the European Medicines Agency (EMA, London UK)
- [2009 – 2011] **EMEA** London
- Member of the Committee for the Advanced Therapies (CAT), EMA London
- [2010 – 2016] **EDQM** Strasbourg
- Chair of the Cell Therapy Working Group for the EDQM (European Pharmacopeia)

PUBLICATIONS

Publications

Latest 20 Publications (from a total of 153 peer reviewed Journal's articles and 50 Book's Chapters)

1. Nossa, R. *et al.* Clinical perspectives on wearable devices for pediatric cyanotic congenital heart disease: an expert survey to inform the early development of a multiparametric wearable biosensor. *Front. Med.* **13**, (2026).
2. Gabriele, L. *et al.* The new era of vaccines: scientific challenges and their regulatory needs. *Vaccine Insights* **4**, 351–365 (2025).
3. Dimitri, P. *et al.* Medical Device Development for Children and Young People—Reviewing the Challenges and Opportunities. *Pharmaceutics* **13**, 2178 (2021).
4. Orlando, G. *et al.* Rethinking Regenerative Medicine From a Transplant Perspective (and Vice Versa). *Transplantation* **103**, 237–249 (2019).
5. Odorico, J. *et al.* Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. *Transplantation* **102**, 1223–1229 (2018).
6. Morrow, D., Ussi, A. & Migliaccio, G. Addressing Pressing Needs in the Development of Advanced Therapies. *Front Bioeng Biotechnol* **5**, 55 (2017).
7. Ussi, A. & Migliaccio, G. The EMA Framework of Collaboration With Academic Stakeholders. *Mol Ther* **24**, 1883–1884 (2016).

8. Varricchio, L. *et al.* Identification of NuRSERY, a new functional HDAC complex composed by HDAC5, GATA1, EKLF and pERK present in human erythroid cells. *Int J Biochem Cell Biol* **50**, 112–122 (2014).
9. Migliaccio, G., de Man, F. H. & Ussi, A. E. Therapeutics: Boost to translational medicine in Europe. *Nature* **497**, 565 (2013).
10. van Dongen, G. A., Ussi, A. E., de Man, F. H. & Migliaccio, G. EATRIS, a European initiative to boost translational biomedical research. *Am J Nucl Med Mol Imaging* **3**, 166–174 (2013).
11. Varricchio, L. *et al.* Identification of a New Functional HDAC Complex Composed by HDAC5, GATA1 and EKLF in Human Erythroid Cells. *Blood* **120**, (2012).
12. Migliaccio, G. *et al.* Under HEMA conditions, self-replication of human erythroblasts is limited by autophagic death. *Blood Cells Mol Dis* **47**, 182–197 (2011).
13. Capone, F. *et al.* Cord blood stem cell banking: a snapshot of the Italian situation. *Transfusion* **51**, 1985–1994 (2011).
14. Varricchio, L. *et al.* The dominant negative beta isoform of the glucocorticoid receptor is uniquely expressed in erythroid cells expanded from polycythemia vera patients. *Blood* **118**, 425–436 (2011).
15. Botta, R. & Migliaccio, G. Cell-based treatments: advanced therapies and transplants. *Transplant Proc* **43**, 338–40 (2011).
16. Tirelli, V. *et al.* Phenotypic definition of the progenitor cells with erythroid differentiation potential present in human adult blood. *Stem Cells Int* **2011**, 602483 (2011).
17. Ghinassi, B. *et al.* Recovery and Biodistribution of Ex Vivo Expanded Human Erythroblasts Injected into NOD/SCID/IL2Rgamma mice. *Stem Cells Int* **2011**, 673752 (2011).
18. Belardelli, F. *et al.* Translational research on advanced therapies. *Annali dell'Istituto Superiore di Sanità* **47**, 72–78 (2011).
19. Kozma, G. T. *et al.* Dynamic regulation of Gata1 expression during the maturation of conventional dendritic cells. *Exp Hematol* **38**, 489–503 e1 (2010).
20. Schneider, C. K. *et al.* Challenges with advanced therapy medicinal products and how to meet them. *Nat Rev Drug Discov* **9**, 195–201 (2010).

PROJECTS

Projects

Head of the project “Identification of lineage specific regulatory sequences in the hematopoietic system” Progetto Finalizzato Ingegneria Genetica, CNR
1992-1995

Head of the project "Ex-vivo amplification of human B- and T- cells for supportive or genetic immunization of HIV positive subjects"; Progetto Nazionale AIDS
1994-1998

Head of the project “Large scale production of human hemopoietic progenitors and cells in vitro” Primo Progetto di Ricerca “Sangue”, Fondi Art. 12 bis, comma 6, D.Lgs.229/99 del Ministero della Sanità
1996-1997

Partner of the CEE ERBBIO4CT960646 Contract “Bioreactor Production of Human Hemopoietic Cells” Progetto BIOTEC- CEE
1997-1999

Head of Section in the Project “Studies for the optimization of the organ and tissue transplants.” Fondi Art. 12 bis, comma 6, D.Lgs.229/99 del Ministero della Sanità
1999-2000

Head of the Project “The plasticity of post-natal hemopoietic stem cells” Fondi Art. 12 bis, comma 6, D.Lgs.229/99 del Ministero della Sanità
2002-2003

Head of Unit "Optimization of the ex-vivo expansion of human hematopoietic stem and progenitor cells" Progetti FIRB, Ministero della Istruzione, Università e Ricerca.

2002-2005

Head of Unit "Role and function of TRAIL receptors in the erythroid differentiation"

Progetti FIRB, Ministero della Istruzione, Università e Ricerca.

2007-2010

PI of the project "Italian Network of Oncology BioBanks (RIBBO) for Alliance against Cancer (ACC) Special Program for Oncology Research 2006

2007-2008

Head of Unit for the project "Italian Network for Clinical trials and GMP structures for Tumours Biotherapies" for Alliance against Cancer (ACC) Special Program for Oncology Research 2006

2007-2009

Head of Unit for the project "Integrated Oncology Program – Theme 4: "Cellular Pharmaceuticals, vaccines and innovative biotherapies against cancer"

2007-2009

EXPERTISE

Expertise

Experimental Hematology with specialization in growth factor control of stem cell self-renewal and differentiation.

Hemoglobin gene regulation

Cell therapies and Tissue engineering

Clinical trial authorization

Good Laboratory practices

Good Manufacturing practices

OTHER RELEVANT INFORMATION

Position held

Head of the Section of Cellular Physiology, Cell Biology Laboratory, Istituto Superiore di Sanità, Rome – Italy 1995 to 2004

Expert of the Good Laboratory Practices on Cell Culture for the Health Ministry 1997 to 2011

Member of the drafting group for the guidelines on Cell Therapy for the Istituto Superiore di Sanità 1997

Member of the drafting group for the guidelines on Cell Therapy of the Bioethical Committee of the Cabinet of the Prime Minister 1999

Member of the Sub-Committee on Clinical Experimentation of the Italian Medicines Agency (AIFA) from 2001

Head of the drafting group for the Guidelines on Cell Therapy for the Istituto Superiore di Sanità 2003

Member of the commission for the authorization of Phase I clinical studies on Innovative Medicinal Products, Istituto Superiore di Sanità 2005-2014

Head of the section "Gene and Cell therapy" Istituto Superiore di Sanità from 2004 to 2017

Member of the Committee for Orphan Disease's Clinical Trial funding, AIFA 2006-2008

Member of the Committee "Stem Cells from Umbilical Cord Blood" Health Ministry, Rome Italy 2007

ORGANISATIONAL SKILLS

Organisational skills

- leadership of a number of complex and collaborative projects during the career as a researcher
- managerial skill as scientific director of an European Research Infrastructure

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- excellent communication skills achieved through public speeches in a number of different settings