LUCIA TURCHETTO
CURRICULUM VITAE

TRAINING AND CERTIFICATION

- **Padua University**

1991	**Degree of Biological Sciences** (110/110). Thesis in the Cell Biology Department
1991-1992	**Post-graduate Training** for biologists in the Cell Biology Department
1995	**Qualification as a biologist.**

- **Milan University**

1997	**Master Applied Genetics** (70/70 cum laude). "Scuola di Specializzazione in Genetica Applicata"

- **AIFA (Italian Regulatory Agency)**

2007	Eligibility to act as a **Qualified Person** under Article 52 of Legislative Decree 24 April 2006 No 219, authorized in pharmaceutical factories to produce medicines.

PROFESSIONAL EXPERIENCE

SAN RAFFAELE HOSPITAL (GSD group) – Milan/Italy
2023-Present: Quality assurance and regulatory affairs for SRGMP facility project

GMP CONSULTANT (ATMP)
2018-2020: ISMETT (Palermo)_Cell Factory
2023-Present: Unità produttiva Terapie Cellulari (Istituto Neurologico Besta_Milan)

CARDIOCENTRO TICINO INSTITUTE Lugano/Switzerland
Lugano cell factory and Cardiovascular tissue bank**;** Via Tesserete, 48 Lugano: www.eoc.ch.

January 2025 - present	Quality Assurance Manager
November 2010 – present	Qualified Person/Regulatory Affairs Manage
December 2009 – December 2010	Quality Assurance Manager

MOLMED S.p.A. – Milan/Italy
Company that develops and supplies products in the field of ATMPs according to GMP standards.

December 2002 - November 2009	Quality Control Head
March 2001 - November 2002	R&D Unit Researcher, Project Manager
January 2000 - March 2001	Production Unit**;** Production Supervisor
January 1998 - December 1999	Quality Control Unit**;** Molecular Biology Laboratory Manager

SAN RAFFAELE BIOMEDICAL SCIENCE PARK - DIBIT – Milan/Italy
January 1994 - December 1997 AIDS Immunopathogenesis Unit (Fellow Researcher)

NATIONAL INSTITUTE OF HEALTH- USA Institute of Allergy and Infectious Diseases

January 1993 - August 1993	Laboratory of Molecular Microbiology (Guest Researcher)
September 1993 - December 1993	Laboratory of Immunoregulation (Guest Researcher)

PUBBLICATION

1. D. Saggioro, F. Majone, M. Forino, **L. Turchetto** and L. Chieco-Bianchi. (1992) STUDIES ON MECHANISMS OF HTLV-I LEUKEMOGENESIS. *Leukemia* 6 (3) 64s-66s.
2. D. Saggioro, F. Majone, M. Forino, **L. Turchetto** and L. Chieco-Bianchi. (1994). TAX PROTEIN OF HUMAN T-LYMPHOTROPIC VIRUS TYPE I TRIGGERS DNA DAMAGE. *Leukemia and Lymphoma* 12, (3-4) 281-6.
3. E.Vicenzi, **L.Turchetto**, A.Ruggieri and Guido Poli. (1995). CYTOKINE CONTROL OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION. *Seminars in Clinical Immunology 9, 31-35.*
4. Semmes OJ, Majone F, Cantemir C, **Turchetto L**, Hjelle B, Jeang KT. (1996) HTLV-I and HTLV-II Tax: DIFFERENCES IN INDUCTION OF MICRONUCLEI IN CELLS AND TRANSCRIPTIONAL ACTIVATION OF VIRAL LTRs. *Virology. Mar 1;217(1):373-9.*
5. G. Poli, P. Biswas, F.Delfanti, **L.Turchetto**, E.Vicenzi and A. S.Fauci. (1996) MULTIPLE ROLES OF TNF RECEPTOR FAMILY MEMBERS IN HIV INFECTION. *VIH and Cytokines*. 3:20-26
6. E. Vicenzi, **L. Turchetto**, G. Poli. (1995) ANATOMIA DELLO HUMAN IMMUNODEFICIENCY VIRUS. Rr - *Ricerca Roche* n.9 AIDS: Patogenesi Virologica. pp.10-12.
7. E. Vicenzi, **L. Turchetto**, & G. Poli. (1997). THE NEF GENE OF HUMAN IMMUNODEFICIENCY VIRUS TYPE-1 (HIV-1) IS REQUIRED FOR OPTIMAL VIRUS REPLICATION IN FULLY ACTIVATED PRIMARY T LYMPHOCYTES. *Res. Vir.* 1 (148), 38-43.
8. **L. Turchetto**, C. Benati, S. Mattei, E. Vicenzi, C. Rossi, A. Siccardi, G. Poli and C. Bordignon. (1997). AN APPROACH TO HIV GENE THERAPY BY TRASDUCTION OF MULTIFUNTIONAL RETROVIRAL VECTORS IN PRIMARY HUMAN T LYMPHOCYTES. JBRHA vol. 11 n. 1/2, 79-81
9. E.Vicenzi, P.Bagnarelli, E.Santagostino, S.Ghezzi, M.Alfano, M.S.Sinnone, G.Fabio, **L.Turchetto**, G.Moretti, A.Lazzarin, A.Mantovani, P.M.Mannucci, M.Clementi, A.Gringeri e G.Poli. (1997) HEMOPHILIA AND NON-PROGRESSING HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 INFECTION. *BLOOD ,Vol. 89 (191-200).*
10. E.Vicenzi, P.Bagnarelli, E.Santagostino, S.Muratori, S.Ghezzi, L.Soldini, M.Alfano, **L.Turchetto**, G.Moretti, M.S.Sinnone, P.M.Mannucci, M.Cusini, M.Clementi, M.Murone, A.Lazzarin, A.Gringeri, and G.Poli. (1997). HIV REPLICATION IN VIVO AND SOLUBLE CYTIKINE RECEPTORS DEFINE NONPROGRESSING INFECTED INDIVIDUALS. *J. AIDS and Hum. Retr. 15(S1): S51-S53.*
11. **L.Turchetto,** A.Aiuti, M.Cota, A.Cipponi, A.Brambilla, C.Arcelloni, R.Paroni, E.Vicenzi, C.Bordignon, an G.Poli. (1999). HUMAN CD34+ CELLS EXPRESS CXCR4 AND ITS LIGAND STROMAL CELL-DERIVED FACTOR-1. IMPLICATIONS FOR INFECTION BY T-CELL TROPIC HUMAN IMMUNODEFICIENCY VIRUS. *BLOOD Vol. 94 N.1 (July 1), 1999 pp 62-73.*
12. **L.Turchetto,** A.Brambilla, A.Gatti, C.Bovolenta, F.Veglia, E.Santagostino, A.Gringeri, M.Clementi, G.Poli, P.Bagnarelli, E.Vicenzi. (1999). DEFECTIVE nef ALLELES IN A COHORT OF HEMOPHILIACS WITH PROGRESSING AND NON-PROGRESSING HIV-1 INFECTION. *Virology 259, 349-368.*
13. Ciceri F, Bonini C, Stanghellini MT, Bondanza A, Traversari C, Salomoni M, **Turchetto L**, Colombi S, Bernardi M, Peccatori J, Pescarollo A, Servida P, Magnani Z, Perna SK, Valtolina V, Crippa F, Callegaro L, Spoldi E, Crocchiolo R, Fleischhauer K, Ponzoni M, Vago L, Rossini S, Santoro A, Todisco E, Apperley J, Olavarria E, Slavin S, Weissinger EM, Ganser A, Stadler M, Yannaki E, Fassas A, Anagnostopoulos A, Bregni M, Stampino CG, Bruzzi P, Bordignon C. (2009) INFUSION OF SUICIDE-GENE-ENGINEERED DONOR LYMPHOCYTES AFTER FAMILY HAPLOIDENTICAL STEM CELL TRANSPLANTATION FOR LEUKEMIA (THE TK007 TRIAL). A NON-RANDOMIZED PHASE I-II STUDY. *Lancet Oncol. May;10(5):489-500. Epub 2009 Apr 1*
14. Astori G, Soncin S, Lo Cicero V, Siclari F, Sürder D, **Turchetto L**, Soldati G, Moccetti T. (2010). BONE MARROW DERIVED STEM CELL IN REGENERATIVE MEDICINE AS ADVANCED THERAPY MEDICINAL PRODUCTS. *Am J Transl Res. May 15;2(3):285-95*
15. Sürder D, Radrizzani M, **Turchetto L**, Cicero VL, Soncin S, Muzzarelli S, Auricchio A, Moccetti T. (2013) COMBINED DELIVERY OF BONE MARROW-DERIVED MONONUCLEAR CELLS IN CHRONIC ISCHEMIC HEART DISEASE: RATIONALE AND STUDY DESIGN. *Clin Cardiol. Aug;36(8):435-41*
16. Sürder D, Manka R, Lo Cicero V, Moccetti T, Rufibach K, Soncin S, **Turchetto L**, Radrizzani M, Astori G, Schwitter J, Erne P, Zuber M, Auf der Maur C, Jamshidi P, Gaemperli O, Windecker S, Moschovitis A, Wahl A, Bühler I, Wyss C, Kozerke S, Landmesser U, Lüscher TF, Corti R. (2013) INTRACORONARY INJECTION OF BONE MARROW-DERIVED MONONUCLEAR CELLS EARLY OR LATE AFTER ACUTE MYOCARDIAL INFARCTION: EFFECTS ON GLOBAL LEFT VENTRICULAR FUNCTION. *Circulation. May 14;127(19):1968-79.*
17. Marina Radrizzani, Viviana Lo Cicero, Sabrina Soncin, Sara Bolis, Daniel Sürder, Tiziano Torre, Francesco Siclari, Tiziano Moccetti, Giuseppe Vassalli, **Lucia Turchetto** (2014) BONE MARROW-DERIVED CELLS FOR CARDIOVASCULAR CELL THERAPY: AN OPTIMIZED GMP METHOD BASED ON LOW-DENSITY GRADIENT IMPROVES CELL PURITY AND FUNCTION. *J. Trans. Med. 2014, 12:276*

18. Daniel Sürder, Robert Manka1, Tiziano Moccetti, Viviana Lo Cicero, Maximilian Y. Emmert, Catherine Klersy, Sabrina Soncin, **Lucia Turchetto**, Marina Radrizzani, Michel Zuber, Stephan Windecker, Aris Moschovitis, Ines Bühler, Sebastian Kozerke, Thomas F. Lüscher, Paul Erne, Roberto Corti. (2016) EFFECT OF BONE MARROW DERIVED MONONUCLEAR CELL TREATMENT, EARLY OR LATE AFTER ACUTE MYOCARDIAL INFARCTION: TWELVE MONTHS CMR AND LONG-TERM CLINICAL RESULTS. *Circulation Research. 2016 Jul 22;119(3):481-90*
19. Gabriella Andriolo, Elena Provasi, Viviana Lo Cicero, Andrea Brambilla, Sabrina Soncin, Tiziano Torre, Giuseppina Milano, Vanessa Biemmi, Giuseppe Vassalli, **Lucia Turchetto**, Lucio Barile, Marina Radrizzani. (2018) EXOSOMES FROM HUMAN CARDIAC PROGENITOR CELLS FOR THERAPEUTIC APPLICATIONS: DEVELOPMENT OF A GMP-GRADE MANUFACTURING METHOD. *Front. Physiol. 9:1169*
20. Andriolo, G., Provasi, E., Brambilla, A., Lo Cicero, V., Soncin, S., Barile, L., **Turchetto, L.,** Radrizzani, M. (2020). GMP-GRADE METHODS FOR CARDIAC PROGENITOR CELLS: CELL BANK PRODUCTION AND QUALITY CONTROL. *Methods in Molecular Biology. https://doi.org/10.1007/7651_2020_286.*

BOOK CHAPTERS

- Radrizzani M, Soncin S, Bolis S, Lo Cicero V, Andriolo G, **Turchetto L.**
  QUALITY CONTROL ASSAYS FOR CLINICAL-GRADE HUMAN MESENCHYMAL STROMAL CELLS: VALIDATION STRATEGY.
  Methods Mol Biol. 2016;1416:339-56.
- Radrizzani M, Soncin S, Lo Cicero V, Andriolo G, Bolis S, **Turchetto L.**
  QUALITY CONTROL ASSAYS FOR CLINICAL-GRADE HUMAN MESENCHYMAL STROMAL CELLS: METHODS FOR ATMP RELEASE.
  Methods Mol Biol. 2016;1416:313-37.

CONFERENCE ATTENDANCE AS SPEAKER

1. **CELL THERAPY FOR CARDIOVASCULAR DISEASE: FROM SWISS-AMI TRIAL TO GMP GRADE CELL-BASED PRODUCT**. Workshop "STEM CELLS AND HEART: SHIPYARDS FROM THE FUTURE" 9-10 July 2013, Pisa (Italy) Scuola Superiore Sant'Anna.
2. **COME OPERARE IL TRASFERIMENTO DI PROGETTI DALLA RICERCA DI BASE AD UNA CELL FACTORY PER LA CONDUZIONE DI SPERIMENTAZIONI CLINICHE NELL'AMBITO DELLE TERAPIE AVANZATE**. Workshop "CLEAN ROOM E AMBIENTI CLASSIFICATI" 4 March 2014, Milan (Italy) Centro Congressi Humanitas
3. **2 MEDIA (SIMULATION & FILL) CASE STUDY A CONFRONTO** Workshop " Evolvere verso una Gestione Dinamica e Risk Based degli ambienti di produzione classificati" 4 March 2015, Milan (Italy) Atahotel Executive
4. **COME AUMENTARE LE PERFORMANCE DEI LABORATORI DI TERAPIE AVANZATE RISPETTANDO I REQUISITI REGOLATORI?** Workshop "Come gestire le Ispezioni alla luce delle nuove ISO 14644 nell'ambito delle Clean Room, degli Ambienti a Contaminazione Controllata e delle Cell Factory" 2 March 2016, Milan (Italy) Centro Congressi Humanitas
5. **RESEARCH AT CARDIOCENTRO** Meeting on new cell therapy. Inselspital Bern, 23/11/2016
6. **HISTOLOGICAL AND APOPTOTIC EVALUATION OF PORCINE CARDIOVASCULAR TISSUE AFTER DECONTAMINATION AND FREEZING.** EATB meeting; Treviso (Italy), October, 19th 2017
7. **Cardiac progenitor Exosomes: toward a First-in-Man Clinical Trial**. 11° TSCT Workmeeting Gruyer April 14th 2023

PATENT

DEVICE AND METHOD FOR PRODUCING AND PURIFYING EXOSOMES
IT-102017000035315, CH-00424/17, PCT/EP2017/084747

F.to
(Lucia Turchetto)