

Curriculum Vitae - Marta Tiffany Lombardo

Summary

- Postgraduate Research Fellow at Diabetes Research Institute (DRI)
- Master degree in Molecular and Cellular Medical Biotechnologies
- Bachelor degree in Medical and Pharmaceutical Biotechnologies

Work Experience

Diabetes Research Institute (DRI)

Milan, Italy

November 2019 | October 2020

- *Postgraduate Research Fellow involved in projects concerning cellular therapy for diabetes*

Education and Training

Università Vita - Salute San Raffaele

Milan, Italy

Master Degree – Molecular and Cellular Medical Biotechnologies
107/110 - GPA:3.55

October 2017 | October 2019

- *Final Thesis (Diabetes Research Institute | Oct 2018 - Oct 2019): “The contribution of pancreatic mesenchymal stem cells and human islet microvascular endothelial cells to the differentiation of iPSC into pancreatic β cells”*

Università Vita - Salute San Raffaele

Milan, Italy

Bachelor Degree - Medical and Pharmaceutical Biotechnologies
91/110 - GPA:2.69

October 2013 | July 2017

- *Final Thesis: “Iron and glucose metabolism: pathophysiological and cellular analogies between neuronal toxicity and beta cells”*

Skills

IT Skills

- Microsoft Office
- FCS Express
- Prism

Languages

- Italian – Native
- English – Intermediate
- French – Waystage

Laboratory Skills

Cellular Biology

- Preparation and manipulation of human primary cell culture
- Manipulation of human induced pluripotent stem cells (hiPSC)
- Stem cells differentiation into pancreatic insulin-producing cell

Molecular Biology

- RNA extraction from cells, retro-transcription, Real-Time PCR using Taqman probe

Proteic assays

- ELISA for single dosage of soluble molecules

Flow cytometry

- Multiparametric immunofluorescence labeling, flow cytometry acquisitions (FACS Canto) and analysis (FCS Express)

Animal handling

- In vivo experiments (insulin-producing cells preparation and transplantation in animal model)

Soft Skills

- Predisposition to interpersonal relationships and team working
- Behavioral flexibility, stress management, resiliency
- Organizational ability, multi-tasking

Passions, hobbies and previous works

- Gardening, hiking, trekking, nature lover
- Sporty attitude: tennis, sailing, football, athletics
- PR, event planner and DJ: university parties, private parties, weddings
- Sales girl, conference hostess

Publications and abstracts

- Submitted: “Transcriptional dynamics of induced pluripotent stem cell-derived β cell differentiation revealed by single-cell RNA sequencing”.
S. Pellegrini, R. Chimienti, G.M. Scotti, F. Giannese, D. Lazarevic, F. Manenti, G. Poggi, M.T. Lombardo, A. Cospito, L. Piemonti, V. Sordi.
- Submitted: “Generation of β cells from iPSC of a MODY8 patient with a novel mutation in the carboxyl ester lipase (CEL) gene”.
S. Pellegrini, A. Cospito, F. Manenti, G. Poggi, M.T. Lombardo, R. Nano, G.B. Pipitone, M. Ferrari, P. Carrera, V. Sordi, L. Piemonti.

Oral presentations

- 17th World Congress of the International Pancreas and Islet Transplant Association (IPITA), Lyon, Catholic University, July 2-5, 2019
“Generation of β cells from iPSC: the contribution of human pancreatic mesenchymal and human islet microvascular endothelial cells to the differentiation of iPSC into pancreatic β cells”.
M.T. Lombardo, S. Pellegrini, G. Poggi, A. Cospito, F. Manenti, C. Scielzo, L. Piemonti, V. Sordi

Posters

- Division of Immunology, Transplantation and Infectious Diseases (DITID) Retreat, Milano, IRCCS San Raffaele, January 20-21, 2020
“Generation of β cells from iPSC: the contribution of human pancreatic mesenchymal and human islet microvascular endothelial cells to the differentiation of iPSC into pancreatic β cells”.
M.T. Lombardo, S. Pellegrini, G. Poggi, A. Cospito, F. Manenti, C. Scielzo, L. Piemonti, V. Sordi
- European Pancreas and Islet Transplant Association (EPITA), Innsbruck-Igls, January 26-28, 2020
“Generation of β cells from iPSC: the contribution of human pancreatic mesenchymal and human islet microvascular endothelial cells to the differentiation of iPSC into pancreatic β cells”.
M.T. Lombardo, S. Pellegrini, G. Poggi, A. Cospito, F. Manenti, C. Scielzo, L. Piemonti, V. Sordi
- 17 th World Congress of the International Pancreas & Islet Trasplant Association, Lyon, July 2-5, 2019
“iPSC from a patient with monogenic diabetes for autologous β cell replacement”.
A. Cospito, S. Pellegrini, G. Poggi, M.T. Lombardo, F. Manenti, R. Chimienti, L. Piemonti, V. Sordi
- 1st Advanced Therapies Science Meeting, Restore , 25 - 26 November 2019, Berlin
“Induced pluripotent stem cells (iPSC) from a patient with monogenic diabetes for autologous β cell replacement”.
A. Cospito, S. Pellegrini, G. Poggi, M.T. Lombardo, F. Manenti, R. Chimienti, R. Baptista, T. Pritchard-Meaker, L. Piemonti, V. Sordi
- Division of Immunology, Transplantation and Infectious Diseases (DITID) Retreat, San Raffaele Scientific Institute, January 20-21, 2020
“Induced pluripotent stem cells (iPSC) from a patient with monogenic diabetes for autologous β cell replacement”.
A. Cospito, S. Pellegrini, G. Poggi, M.T. Lombardo, F. Manenti, R. Chimienti, L. Piemonti, V. Sordi
- San Raffaele Scientific eRetreat - June 15-19, 2020
“Insulin producing β cells from iPSC of a patient with monogenic diabetes”.
A. Cospito, S. Pellegrini, G. Poggi, M.T. Lombardo, F. Manenti, L. Piemonti, V. Sordi
- 28th National Congress SID, Rimini, December 2-5, 2020
“iPSC-derived beta cells from a patient with MODY8 ”.
A. Cospito, S. Pellegrini, G. Poggi, M.T. Lombardo, F. Manenti, L. Piemonti, V. Sordi.