**Dott. Lorenzo Piemonti, MD**

**Curriculum Vitae, synopsis**

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| --- | --- | --- | --- | --- |
| **BIOGRAPHICAL SKETCH** | | | | |
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| NAME **Lorenzo Piemonti**  04/03/2015, Milano | | POSITION TITLE Deputy Director Diabetes Research Institute (DRI); Head of Beta Cell Biology Unit and Human Islet Isolation Facility and Director Islet Transplantation Program (ITP); San Raffaele Diabetes Research Institute, San Raffaele Scientific Institute, Milan, Italy | | |
| **EDUCATION/TRAINING** | | | | |
| **INSTITUTION AND LOCATION** | **DEGREE** | | **YEAR(s)** | **FIELD OF STUDY** |
| Desio “Liceo Classico Ettore Maiorana” | High school degree | | 1987 | Humanistic studies |
| Milan University | MD | | 1994 | Medicine |
| Milan University | Specialty | | 2000 | Endocrinology |
| Milan University | Specialty | | 2004 | Micro and Experimental surgery |

**Positions and Honours**

Present position

2013-present Deputy Director San Raffaele Diabetes Research Institute (HSR-DRI), San Raffaele Scientific Institute, Milan, Italy

2007-present Head of Beta Cell Biology Unit and of Human Islet Isolation Facility and Director Islet Transplantation Program (ITP); San Raffaele Diabetes Research Institute, San Raffaele Scientific Institute, Milan, Italy

2012-present Adjunct Professor, Facoltà di Medicina e Chirurgia, Scuola di specializzazione in Endocrinologia e Malattie del Ricambio, Libera Università "Vita Salute S.Raffaele", Milan, Italy

Professional Experience

1990-1994 Laboratory of Experimental Surgery, San Raffaele Scientific Institute, Milan (tutor Prof Di Carlo Valerio)

1994-1995 Fellow, Laboratory of Cellular Immunology, Inst. Pharmachological Research "MarioNegri", Milan (tutor Prof Alberto Mantovani)

1995-2000 Post graduate Fellow (“Specializzando”), Department of Internal medicine and Laboratory of Islet Transplantation, San Raffaele Scientific Institute, Università degli Studi di Milano, Milan (tutor Prof Emanuele Bosi)

2000-2002 Fellow, Laboratory of Experimental Surgery, San Raffaele Scientific Institute, Milan (tutor Prof Ezio Bonifacio)

2002-2005 Young Investigator, Department of Diabetes and Transplant immunology, Telethon-JDRF Center for Beta Cell Replacement, San Raffaele Scientific Institute, Milan (tutor Prof Ezio Bonifacio)

2005-2008 Senior Investigator, Department of Diabetes and Transplant immunology, Telethon-JDRF Center for Beta Cell Replacement, San Raffaele Scientific Institute, Milan (tutor Prof Ezio Bonifacio)

**Honours**

1994 M.D. Magna cum laude

2000 Specialty, Magna cum laude

2004 Specialty, Magna cum laude

Personal Statement

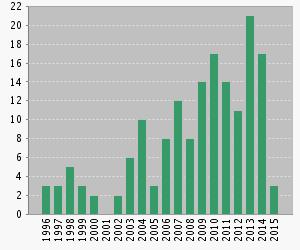
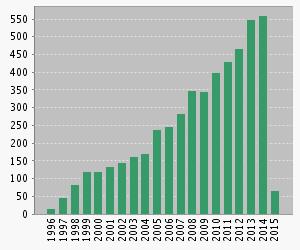
At the San Raffaele Scientific Institute (Milan, Italy) I serve as Deputy director of Diabetes Research Institute, Director of Human Islet Transplantation Program (<http://www.sanraffaele.org/> ENGhome/ research/ divisions\_centers\_institutes\_research\_programs/ ITP/ index.html). I also serve as Chief of the Beta Cell Biology Unit (Diabetes Research Institute), and Director of Human Islet Processing Facility, and coordinator of European Consortium for Islet Transplantation that has been providing Human beta Cell Products for research and clinical applications at HSR, in Italy and across state barriers in Europe since 2000 (See European Consortium for Islet Transplantation, <http://ecit.drisanraffaele.org/en/islet-transplatntation/index.html>). I also serve as Adjunct Professor at University “Vita Salute San Raffaele”. My area of expertise is mainly focused on diabetes and pancreatology. In particular I have large experience about diabetes and pancreatic cancer. I have in the past studied the role of innate immunity in islet cell biology (especially in the human model of islet transplantation in type 1 diabetes recipient) and in pancreatic cancer biology (especially the role of chemokines and chemokine receptor system in inducing leukocytes infiltration). In addition, my research interests include beta cell replacement, immune tolerance induction strategies, dendritic cell biology, stem cells. I currently serve as section Editor of Cell Transplantation-the Regenerative Medicine Journal, as editorial board of Acta Dibetologia, and as member of the European Pancreas and Islet Transplantation Association (EPITA) committee of European Society for Organ Transplantation (ESOT).

**Publication activity (March 2015)**

Lorenzo Piemonti authored a total of 127 original articles published in peer-reviewed journals surveyed in PubMed for a total impact factor of 751,75 (Research Gate, 04/03/2015)

**Citation report Web of Science (04/03/2015)**

|  |  |
| --- | --- |
| Sum of the Times Cited : | 4928 |
| Sum of Times Cited without self-citations: | 4729 |
|  | |
| Citing Articles: | 4316 |
| Citing Articles without self-citations: | 4237 |
|  | |
| Average Citations per Item: | 29.51 |
|  | |
| Average Citations per Year: | 246.40 |
| h-index (04/03/2012): 32 Web of Science; 33 Scopus; 37 Google Scholar |  |

**Published items in Each Year Citations in Each Year**   **Lorenzo Piemonti, MD**

Curriculum Vitae, full

**Personal data**

Surname: Piemonti

Given Name: Lorenzo

Birthdate (optional): August 16, 1968

Birthplace Carate Brianza, Italy

Citizenship Italian

Marital status Married with two children

Private address Via Ovidio n°5

20048 Carate B. (Milano)

tel. (0362) 991680

tel. (0338) 1123556

**Professional data**

# POSITION TITLE Deputy Director of Diabetes Research Institute; Head of Beta Cell Biology Unit and Human Islet Isolation Facility; Director of pancreatic Islet Transplantation Program, Permanent position as Senior Investigator

# Diabetes Research Institute (DRI), IRCCS San Raffaele Scientific Institute, Milan, Italy

Office address

- Mailing address Dr Lorenzo Piemonti, MD

Diabetes Research Institute (DRI)   
IRCCS San Raffaele Scientific Institute,   
Via Olgettina 60  
20132 milano Italy

- Courier address Dr Lorenzo Piemonti, MD

Lab L27 1° Piano Lotto Q

IRCCS San Raffaele Scientific Institute,   
Via Olgettina 60  
20132 Milano Italy

- Telephone Office: (39) 338 1123556

- Telephone Laboratory: (39)02 26432706

- Fax: (39)02 26432871

- e-mail: [piemonti.lorenzo@hsr.it](https://mail.hsr.it/owa/redir.aspx?C=12728b189c13455e97a3fbde4ff7b4f5&URL=mailto%3apiemonti.lorenzo%40hsr.it)

Languages English (Fluent written and spoken).

**Education**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Degree** | **Institution and Country** | **Subject of degree** | **Supervisor** | **Start Date**  **MM/YYYY** | **End Date**  **MM/YYYY** |
| *In progress* | \_ | \_ | \_ | \_ | \_ |
| *Completed*  Specialty  Specialty  MD degree  High School | Università degli Studi di Milano, Italy  Università degli Studi di Milano, Italy  Università degli Studi di Milano, Faculty of Medicine and Surgery, Italy  Desio “Liceo Classico Ettore Maiorana”, Italy | Micro and Experimental surgery  Endocrinology and Metabolic Disease  Medicine and Surgery  Humanistic studies | Prof. Santo Bressani Doldi  Prof. Antonio Pontiroli  Prof Valerio Di Carlo | Academic year  2001-2002  Academic year  1995-1996  Academic year  1988-1989  Sept 1982 | Academic year  2003-2004  Academic year  2000-2001  Academic year  1993-1994  July 1987 |

**Qualification, certificates and licenses**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | **Organization** | **Start Date**  **MM/YYYY** | **End Date**  **MM/YYYY** |
| *In progress* | - | - | - |
| *Completed*  **Good Clinical Practices**  **National Scientific Qualification (art.16 of the law 30 December 2010, n.240) for associated and full professor in (i) General and Clinical Pathology, (ii) Enodocrinology**  Licences to perform animal experimentation  Italian Endocrinology Specialty Recognition (2001).  Italian Board of Medicine and Surgery | NIDA Clinical Trials Network  Italian Ministry of Education, universities and research (MIUR)  Institutional Animal Care and Use Committee (IACUC)  Ministery of Health  Ministery of Health | 05/2014  01/2014  05/2001  01/2001  05/1994 | 05/2017  01/2018  Present  Present  Present |

**Professional courses**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | **Organization** | **Start Date** | **End Date** |
| *In progress* |  |  |  |
| *Completed*  Course: Good Clinical Practice  Course: Clinical governance  Patient safety and clinical risk management  Training course on clinical trials  Tutorial Practical on flow cytometry  Master: "Effective good clinical practicies"  Master: “Diabetes complication”  Interactive course on flow cytometry  Training course on Radiation Protection  Training course on animal experimentation  Course for instructors of emergency cardio pulmonary  Course "Cardiac Emergencies: from territory to hospital"  Course: “Elements of statistical methodology”  Base course of Philosophy of Medicine, Medical Ethics and Bioethics | Advice Pharma Group  FNOMCeo (Federazione Nazionale Ordini dei Medici Chirurghi e gli Odontoiatri)  Ministery of Health  Fondazione Centro S. Raffaele del Monte Tabor and Societa’ di Scienze Farmacologiche Applicate  Division of Oncology, Ospedale S. Andrea, Vercelli  University of Milan May, by Arthur M. Horowitz; The Emmes coporation  Italian Society of Diabetology (SID), Sarteano  Gruppo di cooperazione in Immunologia 31 marzo-3 aprile 1998, Modena  San Raffaele Scientific Institute, Milan  Institutional Animal Care and Use Committee (IACUC)  Associazione Nazionale Cardiologi Extra-ospedalieri/Gruppo Italiano per l'Intervento nelle Emergenze Cardiologiche, H. San Giuseppe dei Fatebenefratelli, Milano  Ordine Provinciale dei Medici Chirurghi e degli Odontoiatri, Milano  San Raffaele Scientific Institute, Milan  Scuola di Medicina e Scienze Umane, Istituto Scientifico Ospedale San Raffaele | 2014  2013  2008  2003  2002  2001  2000  1998  1997  1996  1996  1996  1996  1990 | 2014  2013  2008  2003  2002  2001  2000  1998  1997  1996  1996  1996  1996  1991 |

**Research Experience**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Institution** | **Department** | **Supervisor and Source of Funding** | **Start Date** | **End Date** |
| Diabetes Research Institute (DRI), San Raffaele Scientific Institute  Diabetes Research Institute (DRI), San Raffaele Scientific Institute  Telethon-JDRF Center for Beta Cell Replacement  San Raffaele Scientific Institute, Milan  San Raffaele Scientific Institute, Milan  Inst. Pharmachological Research "MarioNegri", Milan  San Raffaele Scientific Institute, Milan | Division of Immunology, Transplant and infection disease  Division of Immunology, Transplant and infection disease  Laboratory of transplant immunology  Laboratory of Diabetes Immunology  Laboratory of Islet Transplantation  Laboratory of Cellular Immunology  Laboratory of Experimental Surgery | No supervisor (deputy director)  San Raffaele Scientific Institute  Prof Luca Guidotti,  San Raffaele Scientific Institute    Prof Ezio Bonifacio,  San Raffaele Scientific Institute  Prof Ezio Bonifacio,  Juvenile Diabetes Research Foundation *International*  Prof Emanuele Bosi,  Ministery of research  Prof Alberto Mantovani,  Ministery of Health  Prof. Valerio Di Carlo,  University of Milan | 2013  2008  2002  2001  1996  1994  1990 | 2017  2013  2007  2002  2001  1996  1994 |

**Clinical training**

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| --- | --- | --- | --- | --- |
| **Institution** | **Department** | **Supervisor and Source of Funding** | **Start Date** | **End Date** |
| Internal Medicine-Endocrinology and Diabetology  Hospital of Kinniya  (Sry Lanka)  Endocrinology  Internal Medicine-Endocrinology and Diabetology  Emergency department | Department of Internal Medicine  Protezione Civile Italiana  Department of Internal Medicine  Department of Internal Medicine  Emergency department | Prof Emanuele Bosi,  San Raffaele Scientific Institute    -  Prof Francesco Caviezel,  Ospedale clinicizzato San Donato Milanese  Prof Pozza Guido,  San Raffaele Scientific Institute  Prof Pozza Guido,  San Raffaele Scientific Institute | 2001  2005  2000  1995  1995 | Present  -  2001  1999  1999 |

**Professional appointments**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Position** | **Institution / Organization** | **Faculty / Department / School** | **Start Date** | **End Date** |
| Deputy Director of Diabetes Research Institute  Adjunct Professor  Director of pancreatic islet transplantation program  Supervisor of PhD student  Director of Islet Isolation Facility  Head of Beta Cell Biology Unit  Permanent position as Senior Investigator  Junior Investigator  Fellow  Fellow | San Raffaele Scientific Institute, Milan  Libera Università "Vita Salute S.Raffaele" Milan, Italy  San Raffaele Scientific Institute, Milan  Università Vita-Salute San Raffaele, Milan  San Raffaele Scientific Institute, Milan  San Raffaele Scientific Institute, Milan  San Raffaele Scientific Institute, Milan  San Raffaele Scientific Institute, Milan  San Raffaele Scientific Institute, Milan  Inst.. Pharmachological Research "Mario Negri", Milan | Diabetes Research Institute (DRI)  Facoltà di Medicina e Chirurgia, Scuola di specializzazione in Endocrinologia e Malattie del Ricambio  Diabetes Research Institute (HSR-DRI)  PhD program-International Graduate School in Molecular Medicine  Diabetes Research Institute (HSR-DRI),  Division of Immunology, Transplant and infection disease  Telethon-JDRF Center for Beta Cell Replacement, Milan  Laboratory of Diabetes Immunology  Laboratory of Experimental Surgery  Laboratory of Cellular Immunology | 2013  2012  11/2008  6/2008  6/2008  01/2008  01/2002  01/2001  01/1996  01/1994 | 2016  Present  Present  Present  Present  Present  12/2007  12/2001  12/2000  12/1995 |

**Professional Societies**

1999-2010 Italian Society of Immunology (S.I. formerly G.CI.), Member

2001-present Italian Association Study of Pancreas, Member

2008-present Italian Society of Diabetes, Member

2010-present European Association for the study of Diabetes (EASD)

2011-present Member of the International Association of Pancreatology (IAP)

2011-present Member of European Pancreatic Club (EPC)

2011-present Member of International Pancreas & Islet Transplant Association (IPITA)

2012-present Member of European Society for Organ Transplantation (ESOT)

2012-present Member of Cell Transplantation Society (CTS)

**Scientific Activity**

**Grant Review Committees (Ad-Hoc Reviewer)**

2013 - Pancreatic Cancer UK Innovation Fund application 2013

2014 - Pancreatic Cancer UK Innovation Fund application 2014

- Diabetes UK Fund application 2014

- JDRF- Call “Project Concept - All Goal Areas” and “Industry Discovery & Development Partnerships”.

- Diabetes Wellness Network Sveri DWNS Annual Funding Round

2015 - Pancreatic Cancer UK Research Innovation Fund application 2015

**Abstract Review Committees**

2009 14th Congress of the European Society for Organ Transplantation, Paris, 30 August – 2 September, 2009

2011 15th Congress of the European Society for Organ Transplantation, Glasgow, 4–7 September, 2011

2012 2nd Joint AIDPIT and EPITA Winter Symposium. January 29-31, 2012 - congresspark igls, Innsbruck-Igls, Austria

2013 - 3rd Joint AIDPIT and EPITA Winter Symposium. January 27-29, 2013 - Congresspark igls, Innsbruck-Igls, Austria

- 16th Congress of the European Society for Organ Transplantation, Vienna 8-11 September 2013, Austria

- 12nd Congress of the Cell Transplantation Society, Milan 7-11 July 2013, Italy.

2014 - 4th Joint AIDPIT and EPITA Winter Symposium. January 26-28, 2014 - Congresspark igls, Innsbruck-Igls, Austria.

- 25° Congresso Nazionale SID Bologna 28-31 Maggio 2014

- World Transplant Congress, July 26-31, 2014 San Francisco, CA, USA.

2015 - 5th Joint AIDPIT and EPITA Winter Symposium. January 25-27, 2015 - Congresspark igls, Innsbruck-Igls, Austria.

- ESOT 2015, 17th Congress of the European Society for Organ Transplantation, Belgium, Brussels, 13 - 16 September 2015.

**Editorial Activities**

**Editorial Board Member**

2008-2013 "The Open Surgery Journal"

2009-present “Cell Transplantation- The Regenerative Medicine Journal"

2013-present “CellR4”

2014-2015 International Journal of Endocrinology

2015- present Acta Diabetologia

**(Ad-Hoc Reviewer)**

Diabetes, Diabetologia, Acta Diabetologia, Cell Transplantation, Transplantation, Cytotherapy, Stem Cell and Development, Plos One, European Journal of Cancer, International Journal of Endocrinology, Carcinogenesis, Journal of Endocrinology, Transplant International, Stem Cell, Clinical and Experimental Immunology, American Journal of Transplantation, etc…

**Honors and awards**

|  |  |  |
| --- | --- | --- |
| **TYPE** | **AWARDING ORGANIZATION** | **DATE AWARDED** |
| MD, Magna cum laude | University of Milan | 1994 |
| Specialty, Magna cum laude | University of Milan | 2000 |
| Prize Roche for Immunological research | ROCHE | Joint Meeting: SI- SIIIC Ferrara June 7–10, 2000 |
| Prize Italian Society for pancreatic disease (AISP) | Italian Society for Pancreatic Disease | XXV Congresso Associazione nazionale italiana Studio Pancreas, Cernobbio, September 20-22, 2011 |
| Prize Italian Society of Endocrinology (SIE) | Italian Society of Endocrinology (SIE) | XXIX Congresso Nazionale della Società Italiana di Endocrinologia. Bologna 26-29 September 2001. |
| Specialty, Magna cum laude | University of Milan | 2004 |
| Prize Berlucchi Foundation “Young researcher in Oncology“ | Berlucchi Foundation | 2005 |
| Poster Prize | Artificial insulin delivery Pancreas and Islet Transplantation Study Group (AIDPIT) | Innsbruck-Igl  Jan 25-27,2009 |
| Coordinator of European Consortium for Islet Transplantation (ECIT) | European Consortium for Islet Transplantation (ECIT) | 2009-present |
| Member of the European Pancreas and Islet Transplantation Association (EPITA) Committee | European Society for Organ Transplantation (ESOT) | 2011-2015 |
| 12th Royan International Research Award in the field of Stem Cell Biology & Technology | Royan Institute | 2011 |
| Alcmeone Prize | Italian diabetes society (SID) | 2012 |
| Member of the Scientific Board of the Italian Society of Diabetology | Italian diabetes society (SID) | 2012-2016 |
| Co-Chair of the 12th Congress of the Cell Transplant Society July 7-11, 2013 Milan Italy | Cell Transplant Society (CTS) | 2013 |
| Member of the Scientific Program Committee Scientific meeting for the 2015 Joint Congress of the IPITA-IXA-CTS | IPITA | 2014-2015 |
| Paul Harris Fellow | Rotary International | 2014 |
| Coordinator of the study group on “Regenerative medicine in Diabetes” of the Italian Society  of Diabetology | Italian diabetes society (SID) | 2015-2019 |
| Member of the study group on “Pancreatogenic diabetes (type 3c diabetes)” of **Ha**rmonizing the diagnosis and therapy of chronic **Pan**creatitis in **EU**rope (HaPanEU) | United European Gastroenterology | 2015 |

**Research paper**

*Submitted*

# 1) Nano, MelziR, MercalliA, BalzanoG, MaffiP, ScaviniM, Bonadonna, L Piemonti. Physical properties of islets and indexes of β-cell function in humans. *Submitted*

2) T Smura, O Natri, P Ylipaasto, M Hellman, H Al-Hello1, L Piemonti, M Roivainen. Enterovirus strain and type-specific differences in growth kinetics and virus-induced cell 1 destruction in human pancreatic duct epithelial HPDE cells. Journal of Virology. *Submitted*

*Under Revision*

*Accepted*

**127** J Marquard, S Otter, A Welters, A Stirban, A Fischer, J Eglinger, D Herebian, O Kletke, MS Klemen, A Stozer, S Wnendt, **L Piemonti**, M Köhler, J Ferrer, B Thorens, F Schliess5, MS Rupnik, T Heise5, Per-Olof Berggren, Nj Klöcker, T Meissner, E Mayatepek, D Eberhard, M Kragl, E Lammert Characterization of pancreatic N-Methyl-D-Aspartate receptors as possible drug targets for diabetes treatment. Nature Medicine: **in press**

**126** Nano R, Bosco D, Kerr-Conte JA, Karlsson M, Charvier S, Melzi R, Ezzouaoui R, Mercalli A, Hwa A, Pattou F, Korsgren O, Berney T, **Piemonti L**. Human islet distribution programme for basic research: activity over the last 5 years. Diabetologia. 2015 Feb 21. [Epub ahead of print] PubMed PMID: 25697163.

**125** Scavini M, Dugnani E, Pasquale V, Liberati D, Aleotti F, Di Terlizzi G, Petrella G, Balzano G, **Piemonti L**. Diabetes after pancreatic surgery: novel issues. Curr Diab Rep. 2015 Apr;15(4):589. doi: 10.1007/s11892-015-0589-2. PubMed PMID: 25702096.

**124** Pellegrini S, Ungaro F, Mercalli A, Melzi R, Sebastiani G, Dotta F, Broccoli V, **Piemonti L§,** Sordi V§. Human induced pluripotent stem cells differentiate into insulin-producing cells able to engraft in vivo. Acta Diabetol. 2015 Mar 4. [Epub ahead of print] PubMed PMID: 25733399. (§ these authors equally contributed to the study

**123** Stasiuk GJ, Minuzzi F, Sae-Heng M, Rivas C, Juretschke HP, **Piemonti L**, Allegrini PR, Laurent D, Duckworth AR, Beeby A, Rutter GA, Long NJ. Dual-Modal Magnetic Resonance/Fluorescent Zinc Probes for Pancreatic β-Cell Mass Imaging. Chemistry. 2015 Mar 3. doi: 10.1002/chem.201406008. [Epub ahead of print] PubMed PMID: 25736590.

**122** Corritore E, Dugnani E, Pasquale V, Misawa R, Witkowski P, **Piemonti L**, Sokal EM, Lysy PA. β-Cell Differentiation of Human Pancreatic Duct-Derived Cells After In Vitro Expansion. Cell Reprogram. 2014 Dec;16(6): 456-66

**121** Citro A, Valle A, Cantarelli E, Mercalli A, Pellegrini S, Liberati D, Daffonchio L, Kastsiuchenka O, Ruffini PA, Battaglia M, Allegretti M, **Piemonti L**. CXCR1/2 Inhibition Blocks and Reverts Type 1 Diabetes in Mice. Diabetes. 2014 Oct 14. pii: DB\_140443.

**120** Delmonte, V; Codella, R; **Piemonti, L**; La Torre, A; Benedini, S; **Maffi, P;** Ricordi, C; Luzi, L. Effects of exercise in a islet-transplanted half-marathon runner: Outcome on diabetes management, training and metabolic profileSport Sci. Health: 2014; 10(1): 49-52

**119 Malosio ML, Esposito A, Brigati C, Palmisano A, Piemonti L, Nano R, Maffi P, De Cobelli F, Del Maschio A, Secci A. MR imaging monitoring of iron labelled pancreatic islets in a small series of patients: islets fate in successful, unsuccessful and auo-transplantation.** Cell Transplant. 2014 Aug 29.

**118** MaffiP, BerneyT, NanoR, NiclaussN, BoscoD, MelziR, MercalliA, MagistrettiP, De Cobelli F, BattagliaM, ScaviniM, Demuylder-MischlerS, Secchi Aand **Piemonti L.** Calcineurin Inhibitor -Free Immunosuppressive Regimen in T1D Patients Receiving Islet Transplantation: single-group phase 1/2 trial. Transplantation. 2014. 98(12): 1305-1309

**117** Figliolini F, Cantaluppi V, De Lena M, Beltramo S, Romagnoli R, Salizzoni M, Melzi R, Nano R, **Piemonti L**, Tetta C, Biancone L, Camussi G. Isolation, characterization and potential role in Beta cell-endothelium cross-talk of extracellular vesicles released from human pancreatic islets. PLoS One. 2014 Jul 16;9(7):e102521.

**116 Balzano G, Dugnani E, Pasquale V, Capretti G, Radaelli MG, Garito T, Stratta G, Nini A, Di Fenza R, Castoldi R, Staudacher C, Reni M, Scavini M, Doglioni C, Piemonti L. Clinical signature and pathogenetic factors of diabetes associated with pancreas disease (T3cDM): a prospective observational study in surgical patients. Acta Diabetol.** 2014 Oct;51(5):801-11

**115 Balzano G, Piemonti L. Autologous islet transplantation in patients requiring pancreatectomy for neoplasm. Curr Diab Rep. 2014 Aug;14(8):512.**

**114 Marzorati S, Melzi R, Citro A, Cantarelli E, Mercalli A, Scavini M, Piemonti L. Engraftment Versus Immunosuppression: Cost-Benefit Analysis of Immunosuppression After Intrahepatic Murine Islet Transplantation.** Transplantation. 2014 May 27;97(10):1019-26.

**113 Hodson DJ, Mitchell RK, Marselli L, Pullen TJ, Brias SG, Semplici F, Everett KL, Cooper DM, Bugliani M, Marchetti P, Lavallard V, Bosco D, Piemonti L, Johnson PR, Hughes SJ, Li D, Li WH, Shapiro AM, Rutter GA. ADCY5 couples glucose to insulin secretion in human islets. Diabetes.** 2014 Sep;63(9):3009-21.

**112 Balzano G, Carvello M, Piemonti L, Rita N, Ariotti R, Mercalli A, Melzi R, Maffi P, Braga M, Staudacher C. Combined Laparoscopic Spleen-Preserving Distal Pancreatectomy and Islet Autotransplantation for Benign Pancreatic Neoplasm.** World J Gastroenterol. 2014 Apr 14;20(14):4030-6. doi: 10.3748/wjg.v20.i14.4030

**111 Cardillo M, Nano R, de Fazio N, Melzi R, Drago F, Mercalli A, Dell'acqua A, Scavini M, Piemonti L. The allocation of pancreas allografts on donor age and duration of intensive care unit stay: the experience of the North Italy Transplant program.** Transpl Int. 2014 Apr;27(4):353-61.

**110 Granata R, Settanni F, Trovato L, Gallo D, Gesmundo I, Nano R, Gallo MP, Bergandi L, Volante M, Alloatti G, Piemonti L, Leprince J, Papotti M, Vaudry H, Ong H, Ghigo E. RFamide peptides 43RFa and 26RFa both promote survival of pancreatic β-cells and human pancreatic islets but exert opposite effects on insulin secretion. Diabetes.** 2014 Jul;63(7):2380-93.

**109** Pasquali L, Gaulton KJ, Rodríguez-Seguí SA, Mularoni L, Miguel-Escalada I, Akerman I, Tena JJ, Morán I, Gómez-Marín C, van de Bunt M, Ponsa-Cobas J, Castro N, Nammo T, Cebola I, García-Hurtado J, Maestro MA, Pattou F, **Piemonti L**, Berney T, Gloyn AL, Ravassard P, Gómez-Skarmeta JL, Müller F, McCarthy MI, Ferrer J. Pancreatic islet enhancer clusters enriched in type 2 diabetes risk-associated variants. Nat Genet. 2014 Feb;46(2):136-43.

**108** Christensen DP, Gysemans C, Lundh M, Dahllöf MS, Noesgaard D, Schmidt SF, Mandrup S, Birkbak N, Workman CT, **Piemonti L**, Blaabjerg L, Monzani V, Fossati G, Mascagni P, Paraskevas S, Aikin RA, Billestrup N, Grunnet LG, Dinarello CA, Mathieu C, Mandrup-Poulsen T. Lysine deacetylase inhibition prevents diabetes by chromatin-independent immunoregulation and β-cell protection. Proc Natl Acad Sci U S A. 2014 Jan 21;111(3):1055-9.

**107** D'Addio F, Maffi P, Vezzulli P, Vergani A, Mello A, Bassi R, Nano R, Falautano M, Coppi E, Finzi G, D'Angelo A, Fermo I, Pellegatta F, La Rosa S, Magnani G, **Piemonti L**, Falini A, Folli F, Secchi A, Fiorina P. Islet transplantation stabilizes hemostatic abnormalities and cerebral metabolism in individuals with type 1 diabetes. Diabetes Care. 2014 Jan;37(1):267-76.

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