



Curriculum Vitae

Personal information **Francesco Dotta**

Work experience

2018 -2024 **Director** of the Department of Medical, Surgical and Neuroscience Sciences, University of Siena.

2019 to date **Rector's** Delegate for Health

2021 to date **Coordinator** of the PhD in Translational and Precision Medicine, University of Siena

2023 to date **Member** of the Technical Scientific Committee of the Tuscan Body for Clinical Governance

2024- **Director** of the School of Specialization of Endocrinology and Metabolic Diseases, University of Siena.

2004-present **Level II Medical Director; Director of the Complex Operational Unit of Diabetology and Metabolic Diseases**, DAI of Medical Sciences, University Hospital of Siena

2018-19 **Member** of the Academic Senate as representative of the Department Directors Area 2 – Biomedical and Medical Sciences

2017-to present **Full Professor**, Disciplinary Group MED/13-Endocrinology, competition sector 06/D2 Endocrinology, Nephrology and Food and Wellness Sciences, Department of Medical, Surgical and Neuroscience Sciences, University of Siena

2018 to date **Director** of the Study and Research Center of the Health City Institute

2018- to date **President** of the Observatory of the Tuscany Region for medical-specialist training

Education and training

1989 Specialization in Endocrinology (70/70 laude) obtained at the University of Rome "La Sapienza".

1986 Qualification to practice. Since 1986 he has been a member of the Order of Doctors-Surgeons and Dentists of Rome

1985 Degree in Medicine and Surgery (110/110 laude) from the University of Rome "La Sapienza" with a thesis: "Immune aspects in normal and complicated pregnancy by diabetes"

Additional information

Publications

1. Amenta F, Cavallotti C, **Dotta F**, Ferrante F, Spinelli F, Vatrella F. (1983) The autonomic innervation of the human greater saphenous vein. *Acta Histochem*; 72: 111-116. **(I.F. 2.479)**
2. Gargiulo P, Di Mario U, **Dotta F**, Kennedy R, Guy K, Pachi A, Fallucca F. (1986) Activated T cells in normal pregnant women and neonates.

- Eur J Obstet Gyn R B; 23: 127-135. **(I.F. 2.435)**
3. Di Mario U, **Dotta F**, Gargiulo P, Sutherland J, Andreani D, Guy K, Pachi A, Fallucca F. (1987) Immunology in diabetic pregnancy: activated T cells in diabetic mothers and neonates. Diabetologia; 30(2): 66-71. **(I.F. 10.122)**
 4. **Dotta F**, Gargiulo P, Tiberti C, Pachi A, Fallucca F, Andreani D, Di Mario U. (1987) Humoral and cellular immune abnormalities in neonates of diabetic mothers: any pathological role? Exp Clin Endocr Diab; 89(3): 333-339. **(I.F. 2.949)**
 5. Dib SA, Colman PG, **Dotta F**, Tautkus M, Rabizadeh A, Eisenbarth GS. (1987) Expression of cytoplasmic islet cell antigens by rat pancreas. Diabetes; 36(8): 982-985. **(I.F. 9.461)**
 6. **Dotta F**, Nayak RC, Dib SA, Di Bella E, Krisch K, Posillico JT, Ricker AT, Di Mario U, Eisenbarth GS. (1988) A novel neuroendocrine cell surface glycoprotein: identification, isolation and initial characterization. Endocrinology; 122(4): 1263-1268. **(I.F. 4.736)**
 7. Di Mario U, **Dotta F**, Crisa L, Anastasi E, Andreani D, Dib SA, Eisenbarth GS. (1988) Circulating anti-immunoglobulin antibodies in recent-onset type 1 diabetic patients. Diabetes; 37(4): 462-466. **(I.F. 9.461)**
 8. Colman PG, Di Mario U, Rabizadeh A, **Dotta F**, Anastasi E, Eisenbarth GS. (1988) A prozone phenomenon interferes in islet cell antibody detection: direct comparison of two methods in subjects at risk of diabetes and in insulin dependent diabetics at onset. J Autoimmun; 1(2): 109- 117. **(I.F. 7.094)**
 9. Dib SA, Colman PG, **Dotta F**, Tautkus M, Rabizadeh A, Eisenbarth GS. (1988) Assay for cytoplasmic islet cell antibodies using two-color immunofluorescence and rat pancreas. Adv Exp Med Biol; 246: 63-67. **(I.F. 2.622)**
 10. **Dotta F**, Eisenbarth GS. (1989) Type 1 diabetes mellitus: a predictable autoimmune disease with interindividual variation in the rate of beta cell destruction. Clin Immunol; 50: 85-95. **(I.F. 3.969)**
 11. **Dotta F**, Colman PG, Lombardi D, Scharp DW, Andreani D, Pontieri GM, Di Mario U, Lenti L, Eisenbarth GS, Nayak RC. (1989) Ganglioside expression in human pancreatic islets. Diabetes; 38(11): 1478-1483. **(I.F. 9.461)**
 12. Gardner SL, **Dotta F**, Nayak RC, George KL, Eisenbarth GS, Halban PA. (1989) Modulation by sodium butyrate of the differentiated status of a clonal pancreatic B-cell line (RIN). Diabetes Res Clin PR; 12(2): 93-99. **(I.F. 5.602)**
 13. **Dotta F**, Peterson LB, Previti M, Metzger J, Tiberti C, Anastasi E, Zoppitelli, Wicker LS, Di Mario U. (1992) Pancreatic islet ganglioside expression in nonobese diabetic mice: comparison with C57BL/10 mice and changes after autoimmune beta-cell destruction. Endocrinology; 130(1): 37- 42. **(I.F. 4.736)**
 14. Rotella C, **Dotta F**, Mannucci E, Di Mario U. (1992) Autoantigens in thyroid and islet autoimmunity: similarities and differences. Autoimmunity; 12(3): 223-237. **(I.F. 2.815)**
 15. Previti M, **Dotta F**, Pontieri GM, Di Mario U, Lenti L. (1992) Determination of gangliosides by high-performance liquid chromatography with photodiode-array detection. J Chromatogr A; 605: 221-225. **(I.F. 4.759)**
 16. Wicker LS, Appel MC, **Dotta F**, Pressey A, Miller BJ, DeLarato NH, Fischer PA, Boltz RC, Peterson LB. (1992) Autoimmune syndromes in major histocompatibility complex (MHC) congenic strains of nonobese diabetic (NOD) mice. The NOD MHC is dominant for insulinitis and cyclophosphamide-induced diabetes. J Exp Med; 176(1): 67-77. **(I.F. 14.307)**
 17. Pozzilli P, Buzzetti R, **Dotta F**, Andreani D. (1992) Acute onset of seeming IDDM in an AIDS patient. Diabetes Care; 15(11): 1824-1825. **(I.F. 19.112)**
 18. Di Mario U, **Dotta F**. (1992) Natural history and prediction of type 1 diabetes. Ann Ig; 4(3): 153-157.
 19. **Dotta F**, Tiberti C, Previti M, Anastasi E, Andreani D, Lenti L, Pontieri GM, Gianani R, Appel MC, Eisenbarth GS, Di Mario U. (1993) Rat pancreatic ganglioside expression: differences between a model of

- autoimmune islet B cell destruction and a normal strain. Clin Immunol Immunopathol; 66(2): 143-149. **(I.F. 3.969)**
20. Anastasi E, Tiberti C, Sensi M, Ponte E, Filippetti R, **Dotta F**, Vecci E, Fiori MG, Di Mario U. (1993) Pancreatic gangliosides delay the onset of insulinitis and hyperglycaemia in the low-dose streptozotocin mouse model. Scand J Immunol; 37(3): 308-313. **(I.F. 3.487)**
 21. Di Mario U, **Dotta F**. (1993) Modulation of antigen expression in relation to intervention strategies in type 1 diabetes. Diabetes-Metab Res Rev; 9(4): 245-249. **(I.F. 4.876)**
 22. La Mancusa R, Alessandri C, Basili S, Violi F, Ferroni P, Gazzaniga PP, Cordova C, **Dotta F**, Tarquini S, Simeoni S, Pettirossi G, Vieri M, Di Palma P, Cara D, Scodanibbio C, Maurelli M, Ferro D, Saliola M, Pulcinelli F, Riondino S. (1994) Hypercoagulability state in patients with chronic obstructive pulmonary disease. Chronic Obstructive Bronchitis and Haemostasis Group. Thromb Haemost; 72: 343-346. **(I.F. 5.249)**
 23. **Dotta F**, Anastasi E, Tiberti C, Di Mario U. (1994) Autoantigens in type 1 diabetes mellitus. J Endocrinol Invest; 17(7): 497-508. **(I.F. 4.256)**
 24. Tiberti C, **Dotta F**, Anastasi E, Torresi P, Multari G, Vecci E, Andreani D, Di Mario U. (1995) Anti-ganglioside antibodies in new onset type 1 diabetic patients and high risk subjects. Autoimmunity; 22(1): 43-48. **(I.F. 2.815)**
 25. **Dotta F**, Previti M, Lenti L, Dionisi S, Casetta B, D'Erme M, Eisenbarth GS, Di Mario U. (1995) GM2-1 pancreatic islet ganglioside: identification and characterization of a novel islet-specific molecule. Diabetologia; 38(9): 1117-1121. **(I.F. 10.122)**
 26. **Dotta F**, Di Mario U. (1996) Antigenic determinants in type 1 diabetes mellitus. APMIS; 104(11): 769-774. **(I.F. 3.205)**
 27. **Dotta F**, Gianani R, Previti M, Lenti L, Dionisi S, D'Erme M, Eisenbarth GS, Di Mario U. (1996) Autoimmunity to the GM2-1 islet ganglioside before and the onset of type 1 diabetes. Diabetes; 45(9): 1193-1196. **(I.F. 9.461)**
 28. Mennuni C, Santini C, **Dotta F**, Farilla L, Di Mario U, Fierabracci A, Bottazzo G, Cortese R, Luzzago A. (1996) Selection of phage-displayed peptides mimicking type 1 diabetes-specific epitopes. J Autoimmun; 9(3): 431-436. **(I.F. 7.094)**
 29. Cavallo MG, **Dotta F**, Monetini L, Dionisi S, Previti M, Valente L, Toto A, Di Mario U, Pozzilli P. (1996) Beta-cell markers and autoantigen expression by a human insulinoma cell line: similarities to native beta cells. J Endocrinol; 150(1): 113-120. **(I.F. 4.286)**
 30. **Dotta F**, Dionisi S, Farilla L, Di Mario U. (1996) The use of immunological markers in IDDM after more than 20 years from ICA description. Diabetes-Metab Res Rev; 12(2): 121-126. **(I.F. 4.876)**
 31. **Dotta F**, Dionisi S, Misasi R, Tiberti C, Anastasi E, Carabba B, Farilla L, Di Mario U. (1996) Ganglioside antigens in autoimmune diabetes. Diabetes Nutr Metab; 9: 215-220. **(I.F. 0.719)**
 32. Misasi R, Dionisi S, Farilla L, Carabba B, Lenti L, Di Mario U, **Dotta F**. (1997) Gangliosides and autoimmune diabetes. Diabetes-Metab Res Rev; 13(3): 163-179. **(I.F. 4.876)**
 33. **Dotta F**, Falorni A, Tiberti C, Dionisi S, Anastasi E, Torresi P, Lernmark A, Di Mario U. (1997) Autoantibodies to the GM2-1 islet ganglioside and to GAD-65 at type 1 diabetes onset. J Autoimmun; 10(6): 585-588. **(I.F. 7.094)**
 34. Tiberti C, Falorni A, Torresi P, Vecci E, Anastasi E, **Dotta F**, Di Mario U. (1997) A new solid-phase radioimmunoassay to detect anti-GAD65 autoantibodies. J Immunol Methods; 207(2): 107-113. **(I.F. 2.303)**
 35. Mennuni C, Santini C, Luzzago A, **Dotta F**, Farilla L, Fierabracci A, Bottazzo GF, Di Mario U, Cortese R, Luzzago A. (1997) Identification of a novel type 1 diabetes-specific epitope by screening phage libraries with sera from pre-diabetic patients. J Mol Biol; 268(3): 599-606. **(I.F. 5.469)**
 36. Dionisi S, **Dotta F**, Diaz-Horta O, Carabba B, Viglietta V, Di Mario U. (1997) Target antigens in autoimmune diabetes: pancreatic gangliosides. Ann I Super Sanità; 33(3): 433-435. **(I.F. 1.663)**
 37. **Dotta F**, Previti M, Neerman-Arbez M, Dionisi S, Cucinotta D, Lenti L, Di Mario U, Halban PA. (1998) The GM2-1 ganglioside islet autoantigen

in insulin-dependent diabetes mellitus is expressed in secretory granules and is not beta-cell specific. *Endocrinology*; 139(1): 316-319. **(I.F. 4.736)**

38. Di Mario U, **Dotta F.** (1998) Beta-cell autoimmunity 1998. *Diabetes-Metab Res Rev*; 14(1): 1-2. **(I.F. 4.876)**
39. Anastasi E, **Dotta F**, Tiberti C, Vecci E, Ponte E, Di Mario U. (1999) Insulin prophylaxis down-regulates islet antigen expression and islet autoimmunity in the low-dose Stz mouse model of diabetes. *Autoimmunity*; 29(4): 249-256. **(I.F. 2.815)**
40. **Dotta F**, Dionisi S, Viglietta V, Tiberti C, Matteoli MC, Cervoni M, Bizzarri C, Marietti G, Testi M, Multari G, Lucentini L, Di Mario U. (1999) T-cell mediated autoimmunity to the insulinoma-associated protein 2 islet tyrosine phosphatase in type 1 diabetes mellitus. *Eur J Endocrinol*; 141(3): 272-278. **(I.F. 6.664)**
41. Anastasi E, Ponte E, Gradini R, Bulotta A, Sale P, Tiberti C, Okamoto H, **Dotta F**, Di Mario U. (1999) Expression of Reg and cytokeratin 20 during ductal cell differentiation and proliferation in a mouse model of autoimmune diabetes. *Eur J Endocrinol*; 141(6): 644-652. **(I.F. 6.664)**
42. Tiberti C, Buzzetti R, Anastasi E, **Dotta F**, Vasta M, Petrone A, Cervoni M, Torresi P, Vecci E, Multari G, Di Mario U. (2000) Autoantibody negative new onset of type 1 diabetic patients lacking high risk HLA alleles in a caucasian population: are these type 1b diabetes cases? *Diabetes-Metab Res Rev*; 16(1): 8-14. **(I.F. 4.876)**
43. Marchetti P, **Dotta F**, Ling Z, Lupi R, Del Guerra S, Santangelo C, Realacci M, Marselli L, Di Mario U, Navalesi R. (2000) Function of pancreatic islets isolated from a type 1 diabetic patient. *Diabetes Care*; 23(5): 701-703. **(I.F. 19.112)**
44. Cilio CM, Bosco S, Moretti C, Farilla L, Savignoni F, Colarizi P, Multari G, Di Mario U, Bucci G, **Dotta F.** (2000) Congenital autoimmune diabetes mellitus. *New Engl J Med*; 342(20): 1529-1531. **(I.F. 91.245)**
45. Farilla L, **Dotta F**, Di Mario U, Rapoport B, McLachlan SM. (2000) Presence of interleukin 4 or interleukin 10, but not both cytokines, in pancreatic tissue of two patients with recently diagnosed diabetes mellitus type I. *Autoimmunity*; 32(3): 161-166. **(I.F. 2.815)**
46. Del Guerra S, Lupi R, **Dotta F**, Marselli L, Lencioni C, Santangelo C, Realacci M, Carmellini M, Mosca F, Navalesi R, Marchetti P. (2000) Effects of prolonged exposure to pancreatic glucagon on the function, antigenicity and survival of isolated human islets. *Diabetes-Metab Res Rev*; 16(4): 281-286. **(I.F. 4.876)**
47. Piro S, Lupi R, **Dotta F**, Patané G, Rabuazzo MA, Marselli L, Santangelo C, Realacci M, Del Guerra S, Purrello F, Marchetti P. (2001). Bovine islets are less susceptible than human islets to damage by human cytokines. *Transplantation*; 71(1): 21-26. **(I.F. 4.939)**
48. Marselli L, **Dotta F**, Piro S, Santangelo C, Masini M, Lupi R, Realacci M, Del Guerra S, Mosca F, Boggi U, Purrello F, Navalesi R, Marchetti P. (2001) Th2 cytokines have a partial, direct protective effect on the function and survival of isolated human islets exposed to combined proinflammatory and Th1 cytokines. *J Clin Endocr Metab*; 86(10): 4974-4978. **(I.F. 5.958)**
49. Trincavelli ML, Marselli L, Falleni A, Gremigni V, Ragge E, **Dotta F**, Santangelo C, Marchetti P, Lucacchini A, Martini C. (2002) Upregulation of mitochondrial peripheral benzodiazepine receptor expression by cytokine-induced damage of human pancreatic islets. *J Cell Biochem*; 84(3): 636-644. **(I.F. 4.429)**
50. Miao D, Yu L, Tiberti C, Cuthbertson DD, Rewers M, Di Mario U, Eisenbarth GS, **Dotta F.** (2002) ICA512 (IA-2) epitope specific assays distinguish transient from diabetes associated autoantibodies. *J Autoimmun*; 18(2): 191-196. **(I.F. 7.094)**
51. **Dotta F**, Vendrame F. (2002) Neonatal syndromes of polyendocrinopathy. *Endocrinol Metabol Clin North Amer*; 31(2): 283-293. **(I.F. 4.741)**
52. Lupi R, **Dotta F**, Marselli L, Del Guerra S, Masini M, Santangelo C, Patané G, Boggi U, Piro S, Anello M, Bergamini E, Mosca F, Di Mario U, Del Prato S, Marchetti P. (2002) Prolonged exposure to free fatty acids

has cytostatic and pro-apoptotic effects on human pancreatic islets: evidence that beta-cell death is caspase mediated, partially dependent on ceramide pathway, and Bcl-2 regulated. *Diabetes*; 51(5): 1437-1442. **(I.F. 9.461)**

53. Farilla L, Tiberti C, Luzzago A, Yu L, Eisenbarth GS, Cortese R, **Dotta F**, Di Mario U. (2002) Application of phage display peptide library to autoimmune diabetes: identification of IA-2/ICA512bdc dominant autoantigenic epitopes. *Eur J Immunol*; 32(5): 1420-1427. **(I.F. 5.532)**
54. Davidson J, Wilkinson A, Dantal J, **Dotta F**, Haller H, Hernandez D, Kasiske BL, Kiberd B, Krentz A, Legendre C, Marchetti P, Markell M, van der Woude FJ, Wheeler DC; International Expert Panel. (2003) New-onset diabetes after transplantation: 2003 International consensus guidelines. Proceedings of an International expert panel meeting. Barcelona, Spain, 19 february 2003. *Transplantation*; 75(10): 3-24. **(I.F. 4.939)**
55. Tiberti C, Bao F, Bonamico M, Verrienti A, Picarelli A, Di Tola M, Ferri M, Vecci E, **Dotta F**, Eisenbarth GS, Di Mario U. (2003) Celiac disease-associated transglutaminase autoantibody target domains at diagnosis are age and sex dependent. *Clin Immunol Immunopathol*; 109(3): 318-324. **(I.F. 3.969)**
56. Lupi R, Marselli L, Dionisi S, Del Guerra S, Boggi U, Del Chiaro M, Lencioni C, Bugliani M, Mosca F, Di Mario U, Del Prato S, **Dotta F**, Marchetti P. (2004) Improved insulin secretory function and reduced chemotactic properties after tissue culture of islets from type 1 diabetic patients. *Diabetes-Metab Res Rev*; 20(3): 246-251. **(I.F. 4.876)**
57. Hui H, **Dotta F**, Di Mario U, Perfetti R. (2004) Role of caspases in the regulation of apoptotic pancreatic islet beta-cells death. *J Cell Physiol*; 200(2): 177-200. **(I.F. 6.384)**
58. Falorni A, Laureti S, De Bellis A, Zanchetta R, Tiberti C, Arnaldi G, Bini V, Beck-Peccoz P, Bizzarro A, **Dotta F**, Mantero F, Bellastella A, Betterle C, Santeusano F; SIE Addison Study Group. (2004) Italian addison network study: update of diagnostic criteria for the etiological classification of primary adrenal insufficiency. *J Clin Endocr Metab*; 89(4): 1598-1604. **(I.F. 5.958)**
59. Marselli L, Trincavelli L, Santangelo C, Lupi R, Del Guerra S, Boggi U, Falleni A, Gremigni V, Mosca F, Martini C, **Dotta F**, Di Mario U, Del Prato S, Marchetti P. (2004) The role of peripheral benzodiazepine receptors on the function and survival of isolated human pancreatic islets. *Eur J Endocrinol*; 151(2): 207-214. **(I.F. 6.664)**
60. **Dotta F**, Marchetti P. (2004) Pathological changes in human insulinitis. *Curr Opin Endocrinol Diabetes Obes*; 11: 82-84. **(I.F. 3.243)**
61. Vendrame F, Zappaterreno A, **Dotta F**. (2004) Markers of beta cell function in type 1 diabetes mellitus. *Minerva Med*; 95(2): 79-84. **(I.F. 4.806)**
62. Vendrame F, Santangelo C, Misasi R, Dionisi S, Gizzi C, Realacci M, Grassetti D, Di Mario U, **Dotta F**. (2005) Defective lymphocyte caspase-3 expression in type 1 diabetes mellitus. *Eur J Endocrinol*; 152(1): 119-125. **(I.F. 6.664)**
63. Santangelo C, Scipioni A, Marselli L, Marchetti P, **Dotta F**. (2005) Suppressor of cytokine signaling gene expression in human pancreatic islets: modulation by cytokines. *Eur J Endocrinol*; 152(3): 485-489. **(I.F. 6.664)**
64. Putnam AL, Vendrame F, **Dotta F**, Gottlieb PA. (2005) CD4+CD25 high regulatory T cells in human autoimmune diabetes. *J Autoimmun*; 24(1): 55-62. **(I.F. 7.094)**
65. Tiberti C, Verrienti A, Fiore B, Yu L, Eisenbarth GS, **Dotta F**, Di Mario U. (2005) IA-2 combined epitope assay: a new, highly sensitive approach to evaluate IA-2 humoral autoimmunity in type 1 diabetes. *Clin Immunol*; 115(3): 260-267. **(I.F. 3.969)**
66. Anastasi E, Santangelo C, Bulotta A, **Dotta F**, Argenti B, Mincione C, Gulino A, Maroder M, Perfetti R, Di Mario U. (2005) The acquisition of an insulin-secreting phenotype by HGF-treated rat pancreatic ductal cells (ARIP) is associated with the development of susceptibility to cytokine-induced apoptosis. *J Mol Endocrinol*; 34(2): 367-376. **(I.F. 5.098)**

67. Wilkinson A, Davidson J, **Dotta F**, Home P, Keown P, Kiberd B, Jardine A, Levitt N, Marchetti P, Markell M, Naicker S, O'Connell P, Schnitzler M, Standl E, Torregrosa JV, Uchida K, Valentine F, Villamil F, Vincenti F, Wissing M. (2005) Guidelines for the treatment and management of new-onset diabetes after transplantation. *Clin Transplant*; 19(3): 291-298. **(I.F. 2.863)**
68. Calcinaro F, Dionisi S, Marinaro M, Candeloro P, Bonato V, Marzotti S, Corneli RB, Ferretti E, Gulino A, Grasso F, De Simone C, Di Mario U, Falorni A, Boirivant, **Dotta F**. (2005) Oral probiotic administration induces interleukin-10 production and prevents spontaneous autoimmune diabetes in the non-obese diabetic mouse. *Diabetologia*; 48(8): 1565-1575. **(I.F. 10.122)**
69. **Dotta F**, Fondelli C, Vendrame F, Gianani R. (2005) Pathological changes in human islets. *Curr Opin Endocrinol Diabetes Obes*; 12: 285-290. **(I.F. 3.243)**
70. Fourlanos S, **Dotta F**, Greenbaum CJ, Palmer JP, Rolandsson O, Colman PG, Harrison LC. (2005) Latent Autoimmune Diabetes in Adults (LADA) should be less latent. *Diabetologia*; 48(11): 2206-2212. **(I.F. 10.122)**
71. **Dotta F**, Fondelli C, Di Mario U. (2005) Type 1 diabetes mellitus as a polygenic multifactorial disease: immunopathogenic mechanisms of beta-cell destruction. *Acta Biomed*; 76 Suppl 3: 14-18.
72. Roep B, Van Halteren A, Boggi U, Marchetti P, **Dotta F**. (2005) Islet autoreactivity in pancreas draining lymph nodes in recent onset type 1 diabetes. *Endocr J*; 52: 162-164. **(I.F. 2.349)**
73. Tiberti C, Bonamico M, **Dotta F**, Verrienti A, Di Tola M, Liu E, Ferri M, Nenna R, Picarelli A, Eisenbarth GS. (2006) Evidence of a selective epitope loss of anti-transglutaminase immunoreactivity in gluten-free diet celiac sera: a new tool to distinguish disease-specific immunoreactivities. *Clin Immunol*; 121(1): 40-46. **(I.F. 3.969)**
74. Vendrame F, Segni M, Grasseti D, Tellone V, Augello G, Trischitta V, Torlontano M, **Dotta F**. (2006) Impaired caspase-3 expression by peripheral T cells in chronic autoimmune thyroiditis and in autoimmune polyendocrine syndrome-2. *J Clin Endocr Metab*; 91(12): 5064-5068. **(I.F. 5.958)**
75. **Dotta F**, Censini S, van Halteren AG, Marselli L, Masini M, Dionisi S, Mosca F, Boggi U, Onetti Muda A, Del Prato S, Elliott JF, Covacci A, Rappuoli R, Roep BO, Marchetti P. (2007) Coxsackie B4 virus infection of beta cells and natural killer cell insulinitis in recent-onset type 1 diabetic patients. *P Natl Acad Sci USA*; 104(12): 5115-5120. **(I.F. 11.205)**
76. Buzzetti R, Di Pietro S, Giaccari A, Petrone A, Locatelli M, Suraci C, Capizzi M, Arpi ML Bazzigaluppi E, **Dotta F**, Bosi E. (2007) High titer of autoantibodies to GAD identifies a specific phenotype of adult-onset autoimmune diabetes. *Diabetes Care*; 30(4): 932-938. **(I.F. 19.112)**
77. Gallo R, Gambelli F, Gava B, Sasdelli F, Tellone V, Masini M, Marchetti P, **Dotta F**, Sorrentino V. (2007) Generation and expansion of multipotent mesenchymal progenitor cells from cultured human pancreatic islets. *Cell Death Differ*; 14(11): 1860-1871. **(I.F. 15.828)**
78. Giannakakis K, Massella L, Grasseti D, **Dotta F**, Perez M, Onetti-Muda A. (2007) Type VII collagen in Alport syndrome. *Nephrol Dial Transplant*; 22(12): 3501-3507. **(I.F. 5.992)**
79. Marchetti P, **Dotta F**, Lauro D, Purrello F. (2008) An overview of pancreatic beta-cell defects in human type 2 diabetes: implications for treatment. *Peptides*; 146(1-3): 4-11. **(I.F. 3.750)**
80. Bolli G, **Dotta F**, Rochotte E, Cohen SE. (2008) Efficacy and tolerability of vildagliptin vs. pioglitazone when added to metformin: a 24-week, randomized, double-blind study. *Diabetes Obes Metab*; 10(1): 82-90. **(I.F. 6.577)**
81. Egan CG, Lavery R, Caporali F, Fondelli C, Laghi-Pasini F, **Dotta F**, Sorrentino V. (2008) Generalised reduction of putative endothelial progenitors and CXCR4-positive peripheral blood cells in type 2 diabetes. *Diabetologia*; 51(7): 1296-1305. **(I.F. 10.122)**
82. Vendrame F, Verrienti A, Parlapiano C, Filetti S, **Dotta F**, Morano S. (2008) Thyrotoxic periodic paralysis in an Italian man: clinical manifestation and genetic analysis. *Ann Clin Biochem*; 45(Pt 2): 218-

220. **(I.F. 2.057)**
83. Tiberti C, Giordano C, Locatelli M, Bosi E, Bottazzo GF, Buzzetti R, Cucinotta D, Galluzzo A, Falorni A, **Dotta F.** (2008) Identification of tyrosine phosphatase 2 (256-760) construct as a new, sensitive marker for the detection of islet autoimmunity in type 2 diabetic patients: the non-insulin requiring autoimmune diabetes (NIRAD) study 2. *Diabetes*; 57(5): 1276-1283. **(I.F. 9.461)**
 84. Bonato V, Barni R, Cataldo D, Collini A, Ruggieri G, De Bartolomeis C, **Dotta F,** Carmellini M. (2008) Analysis of posttransplant diabetes mellitus prevalence in a population of kidney transplant recipients. *Transpl P*; 40(6): 1888-1890. **(I.F. 1.066)**
 85. Bruno G, De Micheli G, Fedele D, Monge L, Bonomo M, Consoli A, De Cosmo S, Di Bartolo P, Di Benedetto A, Di Cianni G, **Dotta F,** Giaccari A, Giorgino F, Grassi G, Gruden G, Mannino D, Orlandini D, Ponziani MC, Vaccaro O, Vitacolonna E. (2008) Italian standards for diabetes mellitus 2007: executive summary. *Acta Diabetol*; 45: 107-127. **(I.F. 4.280)**
 86. Gallo R, Grieco FA, Marselli L, Ferretti E, Gulino A, Marchetti P, **Dotta F.** (2008) Hedgehog signaling during expansion of human pancreatic islet-derived precursors. *Ann NY Acad Sci*; 1150: 43-45. **(I.F. 5.691)**
 87. **Dotta F,** Fondelli C, Falorni A. (2008) Can NK cells be a therapeutic target in human type 1 diabetes? *Eur J Immunol*; 38(11): 2961-2963. **(I.F. 5.532)**
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Projects 2023-2028 Horizon Europe (HORIZON), Call: HORIZON-JU-IHI-2022-03-single-stage. Project: 101132379 — EDENT1FI.

2023-2027 Ministero dell'Università e della Ricerca. Digital Driven Diagnostics, prognostics and therapeutics for sustainable Health care. ACRONYM: D3 4 Health

2022-2027 Ministero della Salute: Multidisciplinary and Interregional Hub for Research and Clinical Experimentation To Combat Pandemics and Antibiotic Resistance' (project T4-AN-07, PAN-HUB). Coordinatore nazionale.

2022-2026 PNRR PROJECT Investment line 1.4. National Centers, Development of gene therapy and drugs with RNA technology, Ministry of University and Research. Coordinator Spoke 5 Infectious and Inflammatory Diseases.

2020-2025 HEDIMED - Human Exposomic Determinants of Immune Mediated Diseases. European Community Project Number: 874864

2019-2024 INNODIA HARVEST - Translational approaches to disease modifying therapy of type 1 diabetes- HARVESTING the fruits of INNODIA. – European Community, Innovative Health Initiative. Project Number — 945268

2019-2020 JDRF Grant "Collaborative Effort to Identify and Validate miRNA Biomarkers of T1D"

2019-2022 Ministry of Health – Call for Targeted Research 2018, NET Network Program 2018 "Precision medicine to target frailty of endocrine-metabolic origin - PROMETEO".

2019-2022 BY 2017 "Molecular and pathophysiological heterogeneity of autoimmune diabetes: implications for precision medicine".

2018 BANDO AIFA 2016-02365049 "Circulating microRNAs and DNA (cfDNA) as novel biomarkers for diagnostic, prognostic and therapeutic use in Medullary Thyroid Carcinoma".

2016- BY 2015 "Pancreatic β -cell identity, glucose sensing and the control of insulin secretion".

2015-2023 HORIZON 2020-JTI-IMI2-2014-01 of the European Union. "Translational approaches to disease modifying therapy of type 1 diabetes: an innovative approach towards understanding and arresting type 1 diabetes" (INNODIA). **Coordinator of European nPOD Initiative.**

2015 Rome Foundation "Non communicable diseases in the elderly: circulating microRNAs and long non coding RNAs as novel biomarkers of response to therapy in metabolic diseases".

2012-2017 National Institutes of Health NIH "Assessment of cytokines in human islets from patients with diabetes".

2012-2015 BY 2010-2011 "New aspects of the pathophysiology of diabetes mellitus and potential therapeutic applications.

2012-2015 Juvenile Diabetes Research Foundation International: nPOD-V "nPOD Viral Work Group".

2011-2016 Juvenile Diabetes Research Foundation International: nPOD
"Network of pancreatic organ donors".

2011-2013 CARIPISA Foundation "Role of nano encapsulation by means of
plywood, nanostructures with anti-inflammatory properties, and of the
positioning guided by nanoparticles in the transplantation of islands
Pancreatic for the treatment of the diabetes Type 1".

2010-2015 European Community – FP7 NAMED "Persistent virus infection as
a cause of pathogenic inflammation in type 1 diabetes - an innovative
research program of biobanks and expertise".

2010-2012 Tuscany Region – Regional Health Research Program 2009
"Pancreatic islet microRNAs as therapeutic target in type 2 diabetes".

Memberships

Member of the European Association for the Study of Diabetes (EASD)

Member of the Italian Society of Diabetology (SID)

Member of the Italian Society of Endocrinology (SIE)

Director of the Study and Research Center of the Health City Institute.

President of the Observatory of the Tuscany Region for medical-specialist
training.

President of the "Umberto Di Mario" Biomedical Research Foundation ONLUS

Other Relevant Information