



Nationality: Italian
 Current location: Varese. 21100 Italy

Curriculum Vitae European Format

NAME	CURRENT POSITION
Antonio TONIOLO MD, FAMH	Professor of Medical Microbiology, University of Insubria Medical School <u>Director</u> , Laboratory of Clinical Microbiology, Ospedale di Circolo e Fondazione Macchi – Viale Borri 57, 21100 Varese, Italy Tel. +39-0332-278.309, Mail: antonio.toniolo@uninsubria.it ; antonio.toniolo@ospedale.varese.it

SUMMARY

Medically-qualified Clinical and Research Microbiologist. Licensed for practicing Medicine and Clinical Microbiology in the EU and Switzerland. Experience in culture-based and molecular microbiology achieved in tertiary/quaternary care Academic Medical Centers. Contributed consistently to the mission of his Departments via active participation in research and teaching programs, training of residents and medical students, mentoring of trainees, continuing medical education programs, infection control, design of tenders for diagnostic systems. In addition to clinical work, developed a variety of basic and translational research programs, lead Ph.D. programs in Medicine, acted as mentor to graduate students. Within his Medical Center, he is collaborating with the Division of Infectious Diseases, ICUs, Internal Medicine, Surgical, Neurologic, and Pediatric Wards. Diagnostic expertise, administrative leadership, and interpersonal skills resulted in scholarly achievements. Leads a team of 20 FTEs for diagnosis, research, teaching, and is responsible of financial, quality, and strategic management. Expertise in automated microbiology (BD and Kiestra systems). He is serving as Director of the Ph.D. program in "Experimental and Translational Medicine". His lab produces accredited tests in bacteriology, virology, infectious serology, mycology, parasitology for a population of approx. half a million people. Lab services have been increasing 5-10% per year. Reduced hospital infections due to implementation of rapid diagnostics and information technology, thus improving communication with clinical wards and reducing hospital stay. In 2015, the laboratory has been renewed with state-of-the art technology and enhanced biosafety levels.

Current research: disorders with possible viral etiology (type 1 diabetes, post-polio syndrome); molecular microbiology. Coordination of international research groups in collaboration with the American Society for Microbiology, the Juvenile Diabetes Research Foundation, the European Polio Union, The University of Tokyo.

EDUCATION AND TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR(S)	FIELD OF STUDY
Liceo Classico S. Caterina, Pisa, Italy	Baccalaureate	07/1966 (5 yrs)	Humanities, art, latin and greek, philosophy, science, math, physics, chemistry
University of Pisa Medical School, Pisa, Italy	M.D. degree (cum laude)	12/1972 (6 yrs)	Medical sciences
License to practice Medicine in the European Community	Medical Doctor	02/1976 (3 yrs)	Clinical Sciences
Dipartimento Federale dell'Interno, DFI, CH	Medical Doctor	02/2012	Clinical Sciences

Department of Microbiology, University of Pisa, Italy	Specialist in Clinical Microbiology (cum laude)	10/1976 (4 yrs)	Pathology, immunology, infectious diseases, bacteriology, virology, mycology, parasitology
Dipartimento Federale dell'Interno, DFI, CH	Specialist FAMH in Medical Microbiology	03/2013	Clinical Microbiology
Laboratory of Experimental Medicine, National Institutes of Health, Bethesda, MD, USA	Postdoctoral Fellow	1978-1981 (3 yrs)	Virus-induced endocrine disease
Department of Molecular Immunology, University of Tokyo, Tokyo, Japan	Visiting Professor	1997	Autoimmune and neurologic disorders

POSITIONS AND CAREER

- Assistant Professor in Medical Microbiology (1973) at the University of Pisa Medical School.
- Lieutenant Physician, Medical Corps of the Italian Army (1976 March - 1977 August; 18-month service). Currently, Reserve Captain Physician.
- Three years at the National Institutes of Health: 1978-81 (Bethesda, Maryland, USA – Mentor Abner L Notkins). Promoted to Associate Professor at University of Pisa Medical School.
- Since Nov. 1985, he served as Full Professor of Medical Microbiology with clinical appointment at four different Medical Schools (University of Sassari, 1985-89; University of Pisa, 1989-91; University of Pavia, 1991-98; University of Insubria, 1998-present).
- Director, Department of Clinical Pathology, Ospedale di Circolo e Fondazione Macchi, Varese (2001-2009 - biochemistry and hematology, transfusion medicine, anatomic pathology, microbiology and virology, human genetics).
- Director, Department of Experimental Medicine, University of Insubria, Varese, Italy (2001-2010).
- Director PhD Program in Translational Medicine at the same University (2009-now).

SCIENTIFIC SOCIETIES AND REVIEWER ACTIVITIES

- President, Italian Society for Medical and Clinical Microbiology (2001 to 2006).
- Member, American Society for Microbiology (ASM); NIH Alumni Association (NIHAA); International Society for Pediatric and Adolescent Diabetes (ISPAD); Asia-Pacific Society for Medical Virology (APSV); Global Virus Network (GVN).
- Board of Virus in Diabetes International Study Group (London); European Polio Union (Huldenberg, Belgium); Ambassador to Italy for the American Society for Microbiology (Washington, DC).
- Reviewer for scientific journals: J Clinical Microbiology, PLoSOne, J. General Virology, J Clinical Virology, J Medical Virology, Future Virology, New Eng J Med, Lancet, E-Biomedicine, Nature Endocrinology, Diabetes, Diabetologia, Pediatric Diabetes, Diabetes Care.

HONORS

2015-16 – Member of the Evaluation Committee for Medical Sciences, Italian National Agency for the Evaluation of Universities and Research

2014-2017 - American Society for Microbiology: ASM International Ambassador

2014-2016 Research Award "Virology of the Late Consequences of Polio", Post-Polio Health International, St. Louis, Missouri

2014-2016 – Consulting Director, International School of Medical Sciences, Panama City, Panama.

2013-2016 - Research Scholar, Accademia dei Lincei, Roma, Italy

2012-2014 - Chair, National Committee for the Selection of University Professors in Medical Microbiology

2013 - Co-Editor, volume "Diabetes and Viruses", Springer Science, New York - "Diabetes and Viruses" (over 35,000 downloads in the Springer eBook Collection 2013-2014).

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- 2012-2016 - Research Award "Enteroviruses in type 1 diabetes", Juvenile Diabetes Research Foundation (JDRF), New York
- 2012 - Medical Expert "Commissione Affari Sociali", Italian Parliament, Rome
- 2012-2014 - External Assessor, Persistent Virus Infections Network (PEVNET), University of Tampere, Finland
- 2001-2015 - External Assessor for Medical Microbiology: Royal Netherlands Academy for Arts and Science (Amsterdam), Agence Nationale de la Recherche (Paris), National University of Singapore (Singapore), Universiti Sains Malaysia (Penang), University of Jordan (Amman), University of New South Wales (Sydney), University H Heine (Dusseldorf).
- 2011 - Research Award "Viral infections in type 1 diabetes", Network for Pancreatic Organ Donors, Miami, FL
- 2009 - Research Award, "Viral pathogenesis of PPS", Post-Polio Health International, St. Louis, MO
- 2007 - Member, Scientific Committee "Premio Nicolò Copernico", Ferrara, Italy
- 2007 - Research Award, "Prion Research", The Bran Institute, Tokyo, Japan
- 2001 - Research Award, "Resistance determinants to beta-lactams", Wyeth-Lederle, Italy
- 1997 - Visiting Professor, University of Tokyo, Japan
- 1987 - Scholarship of the Erasmus Program, Universities of Reims and Paris V, France (3-month award)
- 1978-81 - International Research Fellowship, Fogarty International Center, Bethesda, MD (3-year award)
- 1977-78 - International Research Fellowship, National Research Council, Rome, Italy (1-year award)

INVITED LECTURER

Abbott Research Center, Wiesbaden, Germany; Academic Medical Center, Amsterdam, Netherlands; BD Italia, Milan and BD Germany, Heidelberg; Centro de Educación Médica e Investigaciones Clínicas "Norberto Quirino" (CEMIC), Clinical Virology, Buenos Aires, Argentina; Children's Hospital Westmead - The University of Sydney, NSW, Australia; Columbia University Medical School, New York, NY, USA; Diabetes Research Institute, Miami, FL; Georgetown University, Washington, DC, USA; Institute for Medical Microbiology, Bellinzona, CH; Institute of Human Virology, University of Maryland, MD, USA; La Jolla Institute of Allergy and Immunology, La Jolla, CA, USA; Medical Center Punta Paitilla, Panama, Republic of Panama; National Institutes of Health, NICDR, Bethesda, USA; National University of Kyushu, Department of Internal Medicine, Fukuoka, Japan; National University of Singapore, Department of Immunology and Microbiology, Singapore; Tulane University, New Orleans, LA, USA; University of Freiburg Medical School, Freiburg, Germany; University of Miami, Miller School of Medicine, Miami, FL, USA; University of Reims Medical School, Reims, France; University of Shanghai, School of Veterinary Medicine, Shanghai, China; University of New South Wales, School of Medicine, Sydney, Australia; University of Tampa Medical School, Tampa, FL, USA; University of Texas Medical Branch, Galveston, TX, USA; University of Tokyo, Tokyo, Japan; Italian Medical Schools: Universities of Bologna, Cagliari, Catania, Firenze, Genova, L'Aquila, Padova, Pavia, Perugia, Pisa, Rome, Sassari, Siena, Verona. Italian Research Centers: The National Council for Research (CNR, Rome); Diasorin Research Center, Milan; Novartis Vaccines Center, Siena.

RESEARCH GRANTS (2000-2015)

- Juvenile Diabetes Research Foundation, JDRF (New York, NY) "Viral infections in type 1 diabetes" (2017-2020)
- Italian Ministry of Health (Rome, Italy) "Etiology and Prevention of type-1 Diabetes" (2016-2018)
- Post-Polio Health International (St. Louis, Missouri) "Virology of the Late Consequences of Polio" (2014-2016)
- Juvenile Diabetes Research Foundation, JDRF (New York, NY) "Pathogenic role of enteroviruses in type 1 diabetes" (2013-2016)
- Network of Pancreatic Organ Donors, nPOD (Miami, FL) "Infectious pathogenesis of type 1 diabetes" (2012)
- CARIPLO Foundation (Milan, Italy): "Role of enterovirus infections in the pathogenesis of type 1 diabetes and associated autoimmune conditions" (2010-2012)
- Regione Lombardia (Milan, Italy): "Etiopathogenesis of the late consequences of polio" (2010-2013)
- Regione Lombardia (Milan, Italy): "Autologous stem cell therapy of large bone defects" (2009-2011)
- Post-Polio Health International & Fondazione Comunitaria del Varesotto: "Viral pathogenesis of the post-polio syndrome" (2008-2009)
- Fondazione Banca del Monte di Lombardia (Milan, Italy): "Cultured myoblasts as a therapeutic aid in chronic cardiac failure" (2005-2007)

- The Bran Institute (Tokyo, Japan): "The prion gene complex: role in regulating cell susceptibility to virus infection" (2006-2007)
- Ministry of Education and Research (Rome, Italy): "Antiviral drugs against picornaviruses" (2005-2006)
- Ministry of Education and Research -COFIN, (Rome, Italy): "Determinants of bacterial of drug resistance" (2002-2005)
- Ministry of Education and Research -COFIN, (Rome, Italy): "DNA vaccines" (2000-2003)
- Istituto Superiore di Sanità, (Rome, Italy): AIDS "HIV tropism for non-lymphoid cells" (1998-2002)

BIBLIOMETRIC DATA

Papers in International Scientific Journals: 170 ♦ Citations: 5500 ♦ H-index: 43 ♦ Hc-index: 26

Over 400 presentations at National / International Meetings

RECENT PUBLICATIONS

1. Genoni A, Canducci F, Rossi A, Broccolo F, Chumakov K, Salerno-Uriarte J, Bono G, Salvatoni A, Pugliese A, Toniolo A. Revealing enterovirus infection in chronic human disorders: an integrated diagnostic approach. *Sci. Rep.* 2016 (accepted 2017-01).
2. Drago F, Ciccarese G, Gasparini G, Cogorno L, Javor S, Toniolo A, Broccolo F. Contemporary infectious exanthems: an update. *Future Microbiol.* 2016 Nov 14. PubMed PMID: 27838923.
3. Maccari G, Genoni AP, Sansonno S, Toniolo A. Properties of two enterovirus antibodies that are utilized in diabetes research. *Sci. Rep.* 2016; 6, 24757; doi: 10.1038/srep24757.
4. Osculati A, Visonà SD, Colombo A, Basso P, Andreello L, Toniolo A. *Neisseria meningitidis* can survive in corpses for at least eleven days. *Front Cell Infect Microbiol.* 2016;6:74.
5. Toniolo A. Long-term poliovirus infection and its possible impact on Post-Polio Syndrome. *J Rehab Med.* 2016; 48:740 (KL19).
6. Park LP, Chu VH, Peterson G, Skoutelis A, Lejko-Zupa T, Bouza E, Tattevin P, Habib G, Tan R, Gonzalez J, Altclas J, Edathodu J, Fortes CQ, Siciliano RF, Pachirat O, Kanj S, Toniolo A, Wang A; International Collaboration on Endocarditis (ICE) Investigators. Validated risk score for predicting 6-month mortality in infective endocarditis. *J Am Heart Assoc.* 2016;5. pii: e003016. doi:10.1161/JAHA.115.003016
7. Nagafuchi S, Toniolo A. Viral diabetes: virus diabetogenicity and host susceptibility. *Immunoendocrinology* 2015; 2: e1026. doi: 10.14800/ie.1026. ISSN 2378-3079
8. Broccolo F, Esposito S, Falcone V, Toniolo A. Human Bocaviruses: possible etiologic role in respiratory infections. *J Clin Virol.* 2015;72:75-81.
9. Onori R, Gaiarsa S, Comandatore F, Pongolini S, Brisse S, Colombo A, Cassani G, Marone P, Grossi P, Minoja G, Bandi C, Sasseria D, Toniolo A. Tracking nosocomial *Klebsiella pneumoniae* infections and outbreaks by whole genome analysis: small-scale Italian scenario within a single hospital. *J Clin Microbiol.* 2015;53:2861-8.
10. Baj A, Colombo M, Headley JL, McFarlane JR, Liethof MA, Toniolo A. Post-poliomyelitis syndrome as a possible viral disease. *Int J Infect Dis.* 2015;35:107-116.
11. Drago F, Ciccarese G, Broccolo F, Toniolo A, Javor S, Parodi A. Localized exanthem due to echovirus 9. *J Med Virol.* 2015 Sep;87(9):1447-8. doi: 10.1002/jmv.24204. PMID: 25919440.
12. Arnold CJ, Johnson M, Bayer AS, Bradley S, Giannitsioti E, Miró JM, Tornos P, Tattevin P, Strahilevitz J, Spelman D, Athan E, Nacinovich F, Fortes CQ, Lamas C, Barsic B, Fernández-Hidalgo N, Muñoz P, Chu VH, Toniolo A, ICE Prospective Investigators. *Candida* infective endocarditis: an observational cohort study with a focus on therapy. *Antimicrob Agents Chemother.* 2015;59:2365-73. doi: 10.1128/AAC.04867-14.
13. Chirouze C, Alla F, Fowler VG Jr, Sexton DJ, Corey GR, Chu VH, Wang A, Erpelding ML, Durante-Mangoni E, Fernández-Hidalgo N, Giannitsioti E, Hannan MM, Lejko-Zupanc T, Miró JM, Muñoz P, Murdoch DR, Tattevin P, Tribouilloy C, Hoen B, Toniolo A; ICE Prospective Investigators. Impact of early valve surgery on outcome of *Staphylococcus aureus* prosthetic valve infective endocarditis: analysis in the International Collaboration of Endocarditis-Prospective Cohort Study. *Clin Infect Dis.* 2015;60:741-9. doi: 10.1093/cid/ciu871.
14. Ceresola ER, Nozza S, Sampaolo M, Pignataro AR, Saita D, Ferrarese R, Ripa M, Deng W, Mullins JI, Boeri E, Tambussi G, Toniolo A, Lazzarin A, Clementi M, Canducci F. Performance of commonly used genotypic assays and

- comparison with phenotypic assays of HIV-1 coreceptor tropism in acutely HIV-1-infected patients. *J Antimicrob Chemother.* 2015; 70:1391-5.
15. Delahaye F, Chu VH, Aitclas J, Barsic B, Delahaye A, Freiburger T, Gordon DL, Hannan MM, Hoen B, Kanj SS, Lejko-Zupanc T, Mestres CA, Pachirat O, Pappas P, Lamas C, Selton-Suty C, Tan R, Tattevin P, Wang A, Toniolo A; International Collaboration on Endocarditis Prospective Cohort Study (ICE-PCS) Investigators. One-year outcome following biological or mechanical valve replacement for infective endocarditis. *Int J Cardiol.* 2015;178:117-23. doi: 10.1016/j.ijcard.2014.10.125.
 16. Broccolo F, Toniolo A. Detection of human herpesviruses (HHVs) DNA in blood samples: A true marker of Fever of Unknown Origin (FUO)? *J Clin Virol.* 2014; 61:617-618.
 17. Chirouze C, Alla F, Fowler VG Jr, Sexton DJ, Corey GR, Chu V, Wang A, Erpelding ML, Durante-Mangoni E, Fernández-Hidalgo N, Giannitsioti E, Hannan MM, Lejko-Zupanc T, Miró JM, Muñoz P, Murdoch DR, Tattevin P, Tribouilloy C, Hoen B, Toniolo A; ICE Prospective Investigators. Impact of early valve surgery on outcome of *Staphylococcus aureus* prosthetic valve infective endocarditis - Analysis in the International Collaboration of Endocarditis - Prospective Cohort Study. *Clin Infect Dis.* 2014. pii: ciu871. PMID: 25389255.
 18. Richardson SJ, Rodríguez-Cálvo T, Oikarinen M, Laiho JE, Kusmartseva I, Campbell-Hompson M, Baj A, Toniolo A, von Herrath M, Hyoty H, Morgan NG. Enteroviral infection in human type 1 diabetes: correlative evidence from multiple tissue sources in nPOD samples. *Diabetologia* 2014; 57:S125-S126.
 19. Principe L, Piazza A, Giani T, Bracco S, Caltagirone MS, Arena F, Nucleo E, Tammaro F, Rossolini GM, Pagani L, Luzzaro F; AMCLI-CRAB Survey Participants. Epidemic diffusion of OXA-23-producing *Acinetobacter baumannii* isolates in Italy: results of the first cross-sectional countrywide survey. *J Clin Microbiol.* 2014; 52:3004-10.
 20. Baj A, Colombo M, Maccari G, Nauti A, Bono G, Roivainen M, Toniolo A. Persistence of poliovirus genome in polio survivors diagnosed with post-polio syndrome. 2014; *J Rehabil Med* 46:578.
 21. Ugolini C, Elisei R, Proietti A, Pelliccioni S, Lupi C, Borrelli N, Viola D, Leocata P, Vitti P, Miccoli P, Toniolo A, Basolo F. FoxP3 expression in papillary thyroid carcinoma: a possible resistance biomarker to 131-iodine treatment. *Thyroid.* 2014; 24:339-46.
 22. Colombo A, Maccari G, Congiu T, Basso P, Baj A, Toniolo A. Colonization of a central venous catheter by the hyaline fungus *Fusarium solani* Species Complex: a case report and SEM imaging. *Case Reports in Medicine*, 2013 doi.org/10.1155/2013/618358.
 23. Vulcano E, Murena L, Falvo DA, Baj A, Toniolo A, Cherubino P. Bone marrow aspirate and bone allograft to treat acetabular bone defects in revision total hip arthroplasty: preliminary report. *Eur Rev Med Pharmacol Sci.* 2013. 17:2240-9. PMID: 23893192.
 24. Salvatoni A, Baj A, Bianchi G, Federico G, Colombo M, Toniolo A. Intrafamilial spread of enterovirus infections at the clinical onset of type 1 diabetes. *Pediatr Diabetes.* 2013. 14: 407-416. doi: 10.1111/pedi.12056.
 25. Chirouze C, Athan E, Alla F, Chu VH, Ralph Corey G, Selton-Suty C, Erpelding ML, Miro JM, Olaison L, Hoen B; Toniolo A, International Collaboration on Endocarditis Study Group. Enterococcal endocarditis in the beginning of the 21st century: analysis from the International Collaboration on Endocarditis-Prospective Cohort Study. *Clin Microbiol Infect.* 2013; 19:1140-7. doi: 10.1111/1469-0691.12166.
 26. Chambers ST, Murdoch D, Morris A, Holland D, Pappas P, Almela M, Fernández-Hidalgo N, Almirante B, Bouza E, Forno D, del Rio A, Hannan MM, Harkness J, Kanafani ZA, Lalani T, Lang S, Raymond N, Read K, Vinogradova T, Woods CW, Wray D, Corey GR, Chu VH; Toniolo A, International Collaboration on Endocarditis Prospective Cohort Study Investigators. 2013. HACEK infective endocarditis: characteristics and outcomes from a large, multi-national cohort. *PLoS One* 8(5):e63181. doi: 10.1371/journal.pone.0063181.
 27. Barsic B, Dickerman S, Krajcinovic V, Pappas P, Aitclas J, Carosi G, Casabé JH, Chu VH, Delahaye F, Edathodu J, Fortes CQ, Olaison L, Pangercic A, Patel M, Rudez I, Tamin SS, Vincelj J, Bayer AS, Wang A, Toniolo A, International Collaboration on Endocarditis-Prospective Cohort Study Investigators. Influence of the timing of cardiac surgery on the outcome of patients with infective endocarditis and stroke. *Clin Infect Dis.* 2013; 56:209-17.
 28. Lalani T, Chu VH, Park LP, Cecchi E, Corey GR, Durante-Mangoni E, Fowler VG Jr, Gordon D, Grossi P, Hannan M, Hoen B, Muñoz P, Rizk H, Kanj SS, Selton-Suty C, Sexton DJ, Spelman D, Ravasio V, Tripodi MF, Wang A; International Collaboration on Endocarditis-Prospective Cohort Study Investigators. 2013. In-hospital and 1-year

- mortality in patients undergoing early surgery for prosthetic valve endocarditis. *JAMA Intern Med.* 173:1495-504. doi:10.1001/jamainternmed.2013.8203.
29. Vulcano E, Murena L, Cherubino P, Falvo DA, Rossi A, Baj A, Toniolo A. Treatment of severe post-traumatic bone defects with autologous stem cells loaded on allogeneic scaffolds. *Surg Technol Int.* 2012 Dec;22:291-301.
 30. Toniolo A, Salvatoni A, Federico G, Diaz-Horta O, Maccari G, Baj A. Enteroviruses in blood. In: "Diabetes and Viruses". K Taylor, H Hyoty, A Toniolo, A Zuckerman (Eds.), Springer, New York, 2012; pp. 143-156. - <http://dx.doi.org/10.1007/978-1-4614-4051-2>. ISBN 978-1-4614-4050-5 (print book), 978-1-4614-4051-2 (ebook).
 31. Cabrera-Rode E, Díaz-Horta O, Toniolo A, Sarmiento L. Type 1 diabetes in the tropics: a link with enterovirus infections. In: "Diabetes and Viruses" H Hyoty, K Taylor, A Toniolo, A Zuckerman (Eds.), Springer, New York, 2012; pp. 195-206. ISBN 978-1-4614-4050-5 (print book), 978-1-4614-4051-2 (ebook).
 32. Toniolo A, Colombo M, Bianchi G, Federico G, Salvatoni A, Baj A. Intrafamilial spread of enterovirus infections at the time of clinical onset of type 1 diabetes. *Ped Diabetes.* 2013; 13:S17.
 33. Diaz-Horta O, Baj A, Maccari G, Salvatoni A, Toniolo A. Enteroviruses and causality of type 1 diabetes: how close are we? *Pediatr Diabetes.* 2012; 13:92-99.
 34. Toniolo A, Colombo M, Bianchi G, Salvatoni A, Federico G, Baj A. Enterovirus genome and infectivity in peripheral blood leukocytes of children at the clinical onset of type 1 diabetes. *Diabetologia.* 2012; 55:S43.
 35. Musolino G, Accolla RS, Tedeschi A, Toniolo A, Colombo M, Baj A, Bianchi G, Salvatoni A. Enterovirus infection and low Treg function: two possible biomarkers of progression to autoimmune T1D. *Ped Diabetes.* 2012; 13:S71.
 36. Athan E, Chu VH, Tattevin P, Selton-Suty C, Jones P, Naber C, Miró JM, Ninot S, Fernández-Hidalgo N, Durante-Mangoni E, Spelman D, Hoen B, Lejko-Zupanc T, Cecchi E, Thuny F, Hannan MM, Pappas P, Henry M, Fowler VG Jr, Crowley AL, Wang A; ICE-PCS Investigators. 2012. Clinical characteristics and outcome of infective endocarditis involving implantable cardiac devices. *JAMA* 307:1727-35.
 37. Uraki R, Sakudo A, Ano Y, Kono J, Yukawa M, Zanusso G, Toniolo A, Onodera T. Penetration of infectious prion protein in the intestine during the lactation period. *Mini Rev Org Chem.* 2012; 9:27-30.
 38. Toniolo A, Baj A, Colombo A, Salvatoni A. Different species of enteroviruses in peripheral blood leukocytes of children at the clinical onset of type 1 diabetes. nPOD-JDRF 4th Annual Meeting, Miami, Florida, January 16-17, 2012. P27.
 39. Johnson JR, Menard ME, Lauderdale T-L, Kosmidis C, Gordon D, Collignon P, Maslow JN, Andrašević A, Kuskowski MA, Toniolo A. 2011. Global Distribution and Epidemiological Associations of *Escherichia coli* Clonal Group A 1998-2007. *Emerg Infect Dis.* 17:2001-09. (IF=6,86).
 40. Taylor KW, Toniolo A. Viruses and diabetes. *J Med Virol.* 2011; 83:1669.
 41. Toniolo A, Maccari G, Diaz-Horta O, Bianchi G, Federico G, Salvatoni A, Baj A. Familial spread of enteroviruses (EV) in pediatric cases of type 1 diabetes at clinical onset. ISPAD Meeting 2011, Miami Beach, FL, October 19-22, 2011. P185.
 42. Toniolo A, Maccari G, Diaz-Horta O, Bianchi G, Federico G, Salvatoni A, Baj A. High prevalence of different species of enteroviruses (EV) in peripheral blood leukocytes (PBL) of children at the clinical onset of type 1 diabetes. ISPAD Meeting 2011, Miami Beach, FL, October 19-22, 2011. A70.
 43. Toniolo A. Pathophysiology of the post-polio syndrome and persistence of poliovirus genomes in polio survivors. *J Rehabil Med.* 2011; S49:12-14.
 44. Diaz-Horta O, Cabrera-Rode E, Sarmiento L, Baj A, Toniolo A. 2011. Echovirus epidemics, autoimmunity, and type 1 diabetes. In: "Type 1 Diabetes - Pathogenesis, Genetics and Immunotherapy". D Wagner (Ed.), InTech Publishing, Wien, Austria - ISBN 978-953-307-362-0, pp. 211-230.
 45. Toniolo A, Baj A. Evidence for enterovirus infections in the blood of children with type 1 diabetes. *J Med Virol* 2009; 81:201.
 46. Luzzaro F, Brigante G, D'Andrea MM, Pini B, Giani T, Mantengoli E, Rossolini GM, Toniolo A. Spread of multidrug-resistant *Proteus mirabilis* isolates producing an AmpC-type beta-lactamase: epidemiology and clinical management. *Int J Antimicrob Agents.* 2009; 33:328-33.
 47. Hosokawa T, Ono F, Tsuchiya K, Sato I, Takeyama N, Ueda S, Zanusso G, Takahashi H, Sata T, Sakudo A, Suguira K, Baj A, Toniolo A, Yoshikawa Y, Onodera T. Distinct immunohistochemical localization in Kuru plaques using novel anti-prion protein antibodies. *Microbiol Immunol.* 2008; 52:25-9.

48. Hosokawa T, Tuchiya K, Takeyama N, Ueda S, Tagawa Y, Kimura KM, Zanusso G, Casalone C, Mazza M, Caramelli M, Yamakawa Y, Takahashi Y, Sata T, Baj A, Toniolo A, Onodera T. Abnormal prion protein in bovine spongiform encephalopathy and in Creutzfeldt-Jakob disease: comparative analysis by a novel panel of monoclonal antibodies. *Biochem Biophys Res Commun.* 2008; 366:657-63.
49. Fiorini M, Zanusso G, Baj A, Bertolasi L, Toniolo A, Monaco S. Post-polio syndrome: neurological manifestations and cerebrospinal fluid markers. *Future Neurology* 2007; 2:451-463.
50. Baj A, Monaco S, Zanusso G, Dall'Orta E, Bertolasi A, Toniolo A. Virology of the post-polio syndrome. *Future Virology* 2007; 2:183-192.

Varese, December 27, 2016

Autorizzazione al trattamento dei dati personali secondo D.L 196/2003.