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BIOGRAPHICAL SKETCH

POSITION

Retired Professor of Medical Microbiology and Director Clinical Microbiology - University of Insubria Medical School and Ospedale di Circolo. Currently: Member of the Global Virus Network, Tampa, FL.

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SUMMARY

Medically qualified Research and Clinical Microbiologist (1972 MD degree, University of Pisa Medical School; 1976 Specialty in Medical Microbiology and Virology, University of Pisa). Licensed for practicing Medicine and Clinical Microbiology in the European Union and Switzerland. Served as Full Professor of Medical Microbiology at four Medical Schools in Italy:

- University of Sassari with clinical appointment (1985-1989)
- University of Pisa (1989-1991)
- University of Pavia with clinical appointment (1991-1998)
- University of Insubria, Varese with clinical appointment (1998-2018)

Visiting Professor at the University of Reims (1987), University of Tokyo (1997, 2007), Int. School Med Sci, Republic of Panama (2014).

Long expertise in Clinical Microbiology and Virology (culture-based and molecular and immunity diagnostics, antimicrobial therapy, vaccines) at tertiary care Academic Medical Centers. Contributed to the mission of his Departments via participation in research and teaching programs, training medical residents, mentoring PhD students, continuing medical education programs, infection control. Performed basic and translational research. Served as Director of two PhD programs: Medical Microbiology (1992-1997) and Translational Medicine (2009-2017), mentoring over 50 PhD students (below is a list of supervised PhD theses). He was leading a team of 25 for medical research and diagnosis. Was responsible for financial (7 ME turnover), quality, and strategic management. Introduced automated microbiology (platforms from BD-Kiestra plus MALDI-Biotyper, Accelerate Diagnostics, Abbott Molecular, Hologic, Diasorin, Alifax). Bacterial and fungal identification by mass spectrometry/genome sequencing, viral identification through genome sequencing and immune reactivity. In vitro susceptibility to antimicrobials (EUCAST and CLSI criteria). Infectious serology and cell-mediated immune response to infectious agents.

In 2015, his laboratory was renewed with state-of-the art technology and infrastructure with biosafety up to the BSL3 level. Half million diagnostic tests/year for infectious diseases. Lab services have been increasing 5-10% year over year with a net margin of 15-20%. The implementation of a novel IT system interacting with the Public Health System (public hospitals, private clinics, general practitioners, individual patients) reduced hospital-related infections and hospital stay at his Medical Center.

Research: etiology and pathogenesis of virus-associated chronic disorders (diabetes, autoimmune thyroiditis, cardiomyopathy, post-polio syndrome); endocrine changes in lethal COVID-19 cases; autoimmunity. Collaborative research with international groups: USA, Japan, Finland, Norway, UK, France, Switzerland. Funding from the Italian Ministry of Health, the Juvenile Diabetes Research Foundation (New York, USA), the University of Miami (Miami, USA), Post-Polio Health International (St. Louis, USA), the European Polio Union (Bruxelles, Belgium), The University of Tokyo (Tokyo, Japan), the RIKEN Institute (Tokyo, Japan), the Norwegian Research Council (Oslo, Norway). Clinical studies for Pharma Companies and CROs.

Member, PhD evaluation committees for the following Universities: Oslo, Tampere, Amsterdam, Dusseldorf, Barcelona, Tokyo (Top50 world University 2023), National University of Singapore (Top50 world University 2023), Sains Malaysia, Jordan (Amman), INSERM (Paris), University of Reims.

EDUCATION AND TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR(S)	FIELD OF STUDY
Liceo Classico, Pisa, Italy	Baccalaureate	07/1966 (5 yrs)	Humanities, art, latin, ancient greek, philosophy, science, math, physics, chemistry
University of Pisa Medical School, Pisa, Italy	MD 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 - License to practice Medicine in the Swiss Confederation	Medical Doctor	02/2012	Clinical Sciences
Department of Microbiology, University of Pisa, Italy	Specialist in Clinical Microbiology (cum laude)	10/1976 (4 yrs)	General microbiology, pathology, immunology. Clinical bacteriology, virology, mycology, parasitology, immunology
Dipartimento Federale dell'Interno, DFI, CH - License to practice Clinical Microbiology in the Swiss Confederation	Specialist FAMH in Medical Microbiology	03/2013	Clinical Microbiology
Laboratory of Experimental Medicine, National Institutes of Health, Bethesda, MD, USA	Visiting Scientist	1978-1981 (3 yrs)	Virus-induced endocrine disease
Department of Molecular Immunology, University of Tokyo, Tokyo, Japan	Visiting Professor	1997 and 2007	Autoimmune and neurologic disorders

POSITIONS AND CAREER

- Director, PhD Program in Translational Medicine, University of Insubria, Varese, Italy (2009-2017).
- Director, PhD Program in Medical Microbiology, University of Pavia (1992-1997)
- Director, Department of Experimental Medicine, University of Insubria, Varese, Italy (2001-2010).
- Director, Department of Clinical Pathology, Ospedale di Circolo e Fondazione Macchi, Varese (2001-2009; clinical chemistry/hematology, transfusion medicine, anatomic pathology, microbiology and virology, genetics). Team of 150 FTEs; annual budget 20-30 MEuro.

- Full Professor of Medical Microbiology at four Italian Medical Schools: University of Sassari (Nov 1985-Oct 89); University of Pisa (Nov 1989-Oct 91); University of Pavia (Nov 1991-Oct 98); University of Insubria (Aug 1998-Oct 2018).
- Associate Professor of Medical Microbiology, University of Pisa Medical School (Nov 1982-Oct 1985).
- Visiting Scientist, National Institutes of Health, Bethesda, Maryland (Sept 1978-Nov 81) – Mentor, Abner L Notkins, MD recipient of International Awards: 1983 Paul E Lacy; 1986 Paul Ehrlich; 1989 NYU Berson.
- Lieutenant Physician, Medical Corps of the Italian Army (Mar 1976-Aug 1977; 18-month service). Afterwards, Reserve Medical Captain.
- Medical Assistant, Clinical Microbiology, University of Pisa Medical School (Jan 1973-Aug 1978).

SCIENTIFIC SOCIETIES AND REVIEWER ACTIVITIES

- Board Member: Virus in Diabetes International Study Group (London); European Polio Union (Huldenberg, Belgium); American Society for Microbiology Ambassador to Italy (2014-2016).
- Reviewer for the following Journals: J Clinical Microbiology, J General Virology, Viruses, J Medical Virology, J Virological Methods, Future Virology, Future Microbiology, Int J Molecular Sciences, New Eng J Med, Lancet, Microbial Pathogenesis, Pathogens, PLoSOne, PLoS Pathogens, eBiomedicine, Scientific Reports, Chemosphere, Nature Medicine, Nature Endocrinology, Diabetes, Diabetologia, Pediatric Diabetes, Diabetes Care, Diabetes Research and Clinical Practice.

Membership

Sigma Xi, Scientific Research Honor Society (Research Triangle Park, North Carolina)

American Society for Microbiology (ASM)

NIH Alumni Association (NIHAA)

Asia-Pacific Society for Medical Virology (APSV)

Global Virus Network (GVN - Baltimore, Maryland).

2018-2020 – Scientific Committee, Milan Center for Food Safety and Policy (President, Livia Pomodoro), Milano, Italy

2016 – Member, Evaluation Committee for Medical Sciences, Italian National Agency for the Evaluation of Universities and Research (ANVUR)

2014-2016 - American Society for Microbiology: ASM International Ambassador

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

2013-2016 – Consultant, International School of Medical Sciences, Panama City, Panama.

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

2013 - Co-Editor, volume “Diabetes and Viruses”, Springer Science, New York - “Diabetes and Viruses” 2013.

2012 - Medical Expert “Commissione Affari Sociali”, Italian Parliament, Rome

2012-2014 - External Assessor, Persistent Virus Infections Network (PEVNET), University of Tampere, Finland

2007 - Scientific Committee “Premio Nicolò Copernico”, Ferrara, Italy

2001-2006 - President, Italian Society for Medical and Clinical Microbiology.

2005-2019 - External Assessor, Microbiology and Infection: Royal Netherlands Academy for Arts and Science (Amsterdam), Agence Nationale de la Recherche (Paris), Institut National de la Santé et de la Recherche Médicale (INSERM, Paris); National University of Singapore (Singapore), Universiti Sains Malaysia (Penang), University of Jordan (Amman), University H Heine (Dusseldorf).

RESEARCH FUNDING (2005-2022)

- National Research Council, Oslo, Norway “Viral infections in autoimmune disorders” (2018-2022)
- University of Miami Medical School & Juvenile Diabetes Research Foundation (New York, NY) “Viral infections in diabetes” (2016-2019)
- National Ministry of Health, (Rome, Italy) “Etiology and prevention of type 1 diabetes” (2016-2019)
- Post-Polio Health International (St. Louis, Missouri) “Virology of the Late Consequences of Polio” (2014-2016)
- Juvenile Diabetes Research Foundation, JDRF (New York, NY) “Role of enteroviruses in type 1 diabetes” (2013-2016)

- Network of Pancreatic Organ Donors, nPOD (Miami, FL) “Viral infections in 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 therapeutic aid in chronic cardiac failure” (2005-2007)
- The Bran Institute (Tokyo, Japan): “The prion gene complex, a possible regulator of virus susceptibility” (2006-2007)
- Ministry of Education and Research (Rome, Italy): “Antiviral drugs against picornaviruses” (2005-2006)

AWARDS

2014 – Post-Polio Health International “Virology of the Late Consequences of Polio”, St. Louis, Missouri

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 - RIKEN Brain Institute, “Prion Research”, Tokyo, Japan

2001 - Wyeth-Lederle, “Bacterial drug resistance determinants”, Rome, Italy

1987 – European Erasmus Program, Young Professor Scholarship at the Universities of Reims and Paris V (3-month)

1979-81 - Fogarty International Center, Bethesda, MD - International Research Fellowship, (3-year award)

1978-79 - National Research Council, Rome, Italy - International Research Fellowship (1-year award)

INVITED LECTURER

Abbott Research Center, Wiesbaden, Germany; Academic Medical Center, Amsterdam, Netherlands; BD Italia, Milan and BD Heidelberg; Centro de Educación Médica e Investigaciones Clínicas “Norberto Quirino” (CEMIC), Buenos Aires; Children's Hospital Westmead; The University of Sydney, NSW, Australia; Columbia University Medical School, New York, NY; Diabetes Research Institute, Miami, FL; Georgetown University, Washington, DC; Institute for Medical Microbiology, Bellinzona, CH; Institute of Human Virology, Baltimore, MD; La Jolla Institute of Allergy and Immunology, La Jolla, CA; Medical Center Punta Paitilla, Panama, Republic of Panama; National Institutes of Health, NICDR, Bethesda, MD; National University of Kyushu, Fukuoka, Japan; National University of Singapore; Tulane University, New Orleans, LA; University of Freiburg Medical School, Germany; University of Miami, Miller School of Medicine, Miami, FL; University of Oslo, Norway; University of Reims Medical School, France; University of Shanghai, School of Veterinary Medicine, Shanghai; University of Tampa Medical School, Tampa, FL; University of Tampere, Finland; University of Texas Medical Branch, Galveston, TX; University of Tokyo - Italian Medical Schools: Universities of Bologna, Cagliari, Catania, Firenze, Genova, L'Aquila, San Raffaele University, 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.

BIBLIOMETRIC DATA

Papers in peer-reviewed Journals: 265 ♦ Hirsch-index: 58 ♦ H-index last 5 years: 29

Over 400 presentations at National and International Conferences

PUBLICATIONS LAST 12 YEARS (full list at ORCID, <http://orcid.org/0000-0003-3008-2126>)

1. Toniolo A, Genoni A, Maccari G, Chumakov K, Basolo F, Bono G, Mauri M, Molteni F, Arrondini L, Bertolasi L, Monaco S. Low-grade persistent poliovirus infection in long-term polio survivors diagnosed with post-polio syndrome: diagnostic and clinical implications. *Journal of Neurology* 2025 Sep 6;272(9):617. doi:10.1007/s00415-025-13364-x.

2. Toniolo A, Chumakov K, Federico G, Maccari G, Genoni A, Saba A, Nauti A, Bono G, Molteni F, Monaco S. Post-polio syndrome: impact of humoral immune deficiencies, poliovirus neutralizing antibodies, vitamin d deficiency. *Vaccines*. 2025; 13(9):939. <https://doi.org/10.3390/vaccines13090939>.
3. Laiho JE, Oikarinen S, Morfopoulou S, Oikarinen M, Renner A, Depledge D, Ross MC, Gerling IC, Breuer J, Petrosino JF, Plagnol V, Pugliese A, Toniolo A, Lloyd RE, Hyöty H; nPOD-Virus Group. Detection of enterovirus RNA in pancreas and lymphoid tissues of organ donors with type 1 diabetes. *Diabetologia*. 2025 Mar 17. doi: 10.1007/s00125-025-06359-w.
4. Panagides V, Cuervo G, Llopis J, Abdel-Wahab M, Mangner N, Habib G, Regueiro A, Mestres CA, Tornos P, Durand E, Selton-Suty C, Ihlemann N, Bruun N, Urena M, Cecchi E, Thiele H, Durante-Mangoni E, Pellegrini C, Eltchaninoff H, Athan E, Søndergaard L, Linke A, Tattevin P, Del Val D, Quintana E, Chu V, Rodés-Cabau J, Miro JM; TAVI Infective Endocarditis International Registry and ICE Investigators. Infective Endocarditis After Transcatheter Versus Surgical Aortic Valve Replacement. *Clin Infect Dis*. 2024 Jan 25;78(1):179-187. doi:10.1093/cid/ciad464. PMID: 37552784.
5. Poma AM, Basolo A, Ali G, Bonuccelli D, Di Stefano I, Conti M, Mazzetti P, Sparavelli R, Vignali P, Macerola E, Pistello M, Santini F, Basolo F, Toniolo A. SARS-CoV-2 spread to endocrine organs is associated with obesity: an autopsy study of COVID-19 cases. *Endocrine*. 2024 Jan;83(1):110-117. doi:10.1007/s12020-023-03518-0.
6. Toniolo A. Islet autoimmunity and type 1 diabetes associated with enterovirus infections. *Lancet Diabetes Endocrinol*. 2023 Jun 27:S2213-8587(23)00133-X. doi: 10.1016/S2213-8587(23)00133-X.
7. Poma AM, Bonuccelli D, Macerola E, Niballi S, Basolo A, Santini F, Basolo F, Toniolo A. Transcriptional changes in multiple endocrine organs from lethal cases of COVID-19. *J Mol Med (Berl)*. 2023 May 29. doi: 10.1007/s00109-023-02334-3.
8. Ambrosioni J, Hernández-Meneses M, Durante-Mangoni E, Tattevin P, Olaison L, Freiburger T, Hurley J, Hannan MM, Chu V, Hoen B, Moreno A, Cuervo G, Llopis J, Miró JM; International Collaboration for Endocarditis (ICE) Investigators. Epidemiological Changes and Improvement in Outcomes of Infective Endocarditis in Europe in the Twenty-First Century: An International Collaboration on Endocarditis (ICE) Prospective Cohort Study (2000-2012). *Infect Dis Ther*. 2023 Mar 15. doi: 10.1007/s40121-023-00763-8.
9. Basolo A, Poma AM, Macerola E, Bonuccelli D, Proietti A, Salvetti A, Vignali P, Torregrossa L, Evangelisti L, Sparavelli R, Giannini R, Ugolini C, Basolo F, Santini F, Toniolo A. Autopsy study of testicles in Covid-19: upregulation of immune-related genes and downregulation of testis-specific genes. *J Clin Endocrinol Metab*. 2022 Oct 19:dgac608. doi: 10.1210/clinem/dgac608.
10. Krogvold L, Genoni A, Puggioni A, Campani D, Richardson SJ, Flaxman CS, Edwin B, Buanes T, Dahl-Jørgensen K, Toniolo A. Live enteroviruses, but not other viruses, detected in human pancreas at the onset of type 1 diabetes in the DiViD study. *Diabetologia*. 2022 Dec;65(12):2108-2120. doi: 10.1007/s00125-022-05779-2.
11. Weider T, Genoni A, Broccolo F, Paulsen TH, Dahl-Jørgensen K, Toniolo A, Hammerstad SS. High Prevalence of Common Human Viruses in Thyroid Tissue. *Front Endocrinol (Lausanne)*. 2022 Jul 14;13:938633. doi: 10.3389/fendo.2022.938633.
12. Poma AM, Proietti A, Macerola E, Bonuccelli D, Conti M, Salvetti A, Dolo V, Chillà A, Basolo A, Santini F, Toniolo A, Basolo F. Suppression of Pituitary Hormone Genes in Subjects Who Died From COVID-19 Independently of Virus Detection in the Gland. *J Clin Endocrinol Metab*. 2022 Jul 14;107(8):2243-2253. doi: 10.1210/clinem/dgac312.
13. Basolo A, Poma AM, Bonuccelli D, Proietti A, Macerola E, Ugolini C, Torregrossa L, Giannini R, Vignali P, Basolo F, Santini F, Toniolo A. Adipose tissue in COVID-19: detection of SARS-CoV-2 in adipocytes and activation of the interferon-alpha response. *J Endocrinol Invest*. 2022 May;45(5):1021-1029. doi: 10.1007/s40618-022-01742-5.
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15. Poma AM, Bonuccelli D, Giannini R, Macerola E, Vignali P, Ugolini C, Torregrossa L, Proietti A, Pistello M, Basolo A, Santini F, Toniolo A, Basolo F. COVID-19 autopsy cases: detection of virus in endocrine tissues. *J Endocrinol Invest.* 2022 Jan;45(1):209-214. doi: 10.1007/s40618-021-01628-y.
16. Poma AM, Basolo A, Bonuccelli D, Proietti A, Macerola E, Ugolini C, Torregrossa L, Alì G, Giannini R, Vignali P, Santini F, Toniolo A, Basolo F. Activation of Type I and Type II Interferon Signaling in SARS-CoV-2-Positive Thyroid Tissue of Patients Dying from COVID-19. *Thyroid.* 2021 Dec;31(12):1766-1775. doi: 10.1089/thy.2021.0345.
17. Sobur MA, Islam MS, Haque ZF, Orubu ESF, Toniolo A, Choudhury MA, Rahman MT. Higher seasonal temperature enhances the occurrence of methicillin resistance of *Staphylococcus aureus* in house flies (*Musca domestica*) under hospital and environmental settings. *Folia Microbiol (Praha).* 2022 Feb;67(1):109-119. doi: 10.1007/s12223-021-00922-9.
18. Poma AM, Hammerstad SS, Genoni A, Basolo A, Dahl-Jorgensen K, Toniolo A. Immune Transcriptome of Cells Infected with Enterovirus Strains Obtained from Cases of Autoimmune Thyroid Disease. *Microorganisms.* 2021 Apr 19;9(4):876. doi:10.3390/microorganisms9040876.
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20. Giannella M, Freire M, Rinaldi M, Abdala E, Rubin A, Mularoni A, Gruttadauria S, Grossi P, Shbaklo N, Tandoi F, Ferrarese A, Burra P, Fernandes R, Aranha Camargo LF, Asensio A, Alagna L, Bandera A, Simkins J, Abbo L, Halpern M, Santana Girao E, Valerio M, Muñoz P, Fernandez Yunquera A, Statlender L, Yahav D, Franceschini E, Graziano E, Morelli MC, Cescon M, Viale P, Lewis R; CRECOOLT study group. Development of a Risk Prediction Model for Carbapenem-resistant Enterobacteriaceae Infection After Liver Transplantation: A Multinational Cohort Study. *Clin Infect Dis.* 2021 Aug 16;73(4):e955-e966. doi: 10.1093/cid/ciab109. PMID: 33564840.
21. Poma AM, Genoni A, Broccolo F, Denaro M, Pugliese A, Basolo F, Toniolo A. Immune Transcriptome of Cells Infected with Enterovirus Strains Obtained from Cases of Type 1 Diabetes. *Microorganisms.* 2020 Jul 12;8(7):E1031. doi:10.3390/microorganisms8071031.
22. Oikarinen M, Bertolet L, Toniolo A, Oikarinen S, Laiho JE, Pugliese A, Lloyd RE, Hyöty H, The nPOD-V Study Group. Differential Detection of Encapsidated versus Unencapsidated Enterovirus RNA in Samples Containing Pancreatic Enzymes-Relevance for Diabetes Studies. *Viruses.* 2020 Jul 11;12(7):E747. doi:10.3390/v12070747.
23. Sobur A, Islam S, Haque E, Rahman T, Islam T, Toniolo A, Rahman T. Influence of temperature and relative humidity on the occurrence of COVID-19 pandemic: An observational study in 57 countries. *MedRxiv* 2020-05 DOI: 10.1101/2020.05.03.20089342.
24. Islam MS, Sobur MA, Akter M, Nazir KHMNH, Toniolo A, Rahman MT. Coronavirus Disease 2019 (COVID-19) pandemic, lessons to be learned! *J Adv Vet Anim Res.* 2020 Apr 18;7(2):260-280. doi: 10.5455/javar.2020.g418.
25. Rahman MT, Sobur MA, Islam MS, Toniolo A, Nazir KHMNH. Is the COVID-19 pandemic masking dengue epidemic in Bangladesh? *J Adv Vet Anim Res.* 2020 Apr 15;7(2):218-219. doi: 10.5455/javar.2020.g412.
26. Lepuschitz S, Ruppitsch W, Pekard-Amenitsch S, Forsythe SJ, Cormican M, Mach RL, Piérard D, Allerberger F; Toniolo A, EUCRONI Study Group. Multicenter Study of *Cronobacter sakazakii* Infections in Humans, Europe, 2017. *Emerg Infect Dis.* 2019 Mar;25(3):515-522. doi: 10.3201/eid2503.181652.
27. Toniolo A, Cassani G, Puggioni A, Rossi A, Colombo A, Onodera T, Ferrannini E. The diabetes pandemic and associated infections: suggestions for clinical microbiology. *Rev Med Microbiol.* 2019;30:1-17. doi: 10.1097/MRM.000000000000155.
28. Broccolo F, Drago F, Ciccarese G, Genoni A, Porro A, Parodi A, Chumakov K, Toniolo A. Possible long-term sequelae in hand, foot, and mouth disease caused by Coxsackievirus A6. *J Am Acad Dermatol.* 2019;80:804-806. doi: 10.1016/j.jaad.2018.08.034.
29. Broccolo F, Drago F, Ciccarese G, Genoni A, Puggioni A, Rosa GM, Parodi A, Manukyan H, Laassri M, Chumakov K, Toniolo A. Severe atypical hand-foot-and-mouth disease in adults due to coxsackievirus A6: Clinical presentation and phylogenesis of CV-A6 strains. *J Clin Virol.* 2019;110:1-6. doi: 10.1016/j.jcv.2018.11.003.

30. Broccolo F, Ciccarese G, Rossi A, Anselmi L, Drago F, Toniolo A. Human papillomavirus (HPV) and Epstein-Barr virus (EBV) in keratinizing versus non-keratinizing squamous cell carcinoma of the oropharynx. *Infect Agent Cancer*. 2018;13:32-36. doi: 10.1186/s13027-018-0205-6.
31. Oikarinen M, Laiho JE, Oikarinen S, Richardson SJ, Kusmartseva I, Campbell-Thompson M, Morgan NM, Pugliese A, Tauriainen S, Toniolo A, Hyoty H. Detection of enterovirus protein and RNA in multiple tissues from nPOD organ donors with type 1 diabetes. *bioRxiv* 459347; 2018;doi: <https://doi.org/10.1101/459347>.
32. Federico G, Genoni A, Puggioni A, Saba A, Gallo D, Randazzo E, Salvatoni A, Toniolo A. Vitamin D status, enterovirus infection, and type 1 diabetes in Italian children/adolescents. *Pediatr Diabetes*. 2018, 22. doi: 10.1111/pedi.12673.
33. Piantanida E, Gallo D, Veronesi G, Dozio E, Trotti E, Lai A, Ippolito S, Sabatino J, Tanda ML, Toniolo A, Ferrario M, Bartalena L. Cardiometabolic healthy and unhealthy obesity: does vitamin D play a role? *Endocr Connect*. 2017;6:943-951. doi: 10.1530/EC-17-0304.
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37. 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.
38. 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.
39. Osculati A, Visonà SD, Colombo A, Basso P, Andrello L, Toniolo A. Neisseria meningitidis can survive in corpses for at least eleven days. *Front Cell Infect Microbiol*. 2016;6:74.
40. Toniolo A. Long-term poliovirus infection and its possible impact on Post-Polio Syndrome. *J Rehab Med*. 2016; 48:740 (KL19).
41. 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.
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4. 1981-84 Pier Giulio Conaldi, MD, PhD; currently Consultant Microbiologist, ISMETT, Palermo, Italy & Associate Professor, Univ. Pittsburg, PA
5. 1982-1985 Maria Pia Pistillo, PhD; Retired Senior Investigator, National Institute for Research on Cancer, Genova, Italy
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9. 1986-90 Caterina Serra, MS, PhD; currently Associate Professor of Microbiology, Univ. of Sassari, Italy
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11. 1990-94 Valeria Falcone, MS, PhD; currently Assistant Professor of Virology, Univ. of Freiburg Medical School, Germany
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17. 2000-2004 Camilla Bernasconi, MS, PhD; currently Principal Scientist, European Joint Research Center, Ispra, Italy
18. 2001-2005 Mattia Bonsignori, MD, PhD; previously, Associate Professor of Virology and Immunology, Duke Univ. Medical Center, Durham, NC – now: Principal Investigator, NIAID, NIH, Bethesda, MD - world-class researcher selected for his exceptional research performance, demonstrated by production of multiple highly cited papers that rank in the top 1% by citations for field and year in Web of Science 2018.
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24. 2011 Majed Al-Gelawi, MS, PhD; currently Professor of Biotechnology, Univ. Al Nahrein, Bagdad, Iraq.
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