

INFORMAZIONI PERSONALI



**Donato Zipeto**

📍 Laboratorio di Virologia Molecolare, Sezione di Biologia e Genetica, Dipartimento di Neuroscienze, Biomedicina e Movimento, Università di Verona

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🌐 <http://www.medicina.univr.it/foi/main?ent=persona&id=1428&lang=it>

💬 Skype zipdon

Sesso M | Data di nascita 24 Gennaio 1966 | Nazionalità Italiana

ESPERIENZA  
PROFESSIONALE

Dal 2014  
Dal 2002 al 2014

**Professore Associato, Biologia Molecolare (ASN 2012, Sett. Conc. E5/02, SSD BIO/11)**  
**Professore Aggregato/Ricercatore, Biologia Molecolare**

Università di Verona

**Incarichi didattici**

- Modulo di Biologia Molecolare, Genetica e Biologia Molecolare (Scuola di Medicina)
- Basi di Virologia molecolare e terapia genica (Scuola di Scienze e Ingegneria)
- Farmacogenomica e terapia genica (2011-2014, Scuola di Scienze e Ingegneria)
- Retrovirus umani: HIV e AIDS (Scuola di Medicina)
- Zoonosi e virus emergenti (Scuola di Medicina)
- Scienze propedeutiche alla professione medica (Scuola di Medicina)
- Scuole di specializzazione di Medicina: patologia clinica, malattie infettive
- Scuola di dottorato in Scienze della vita e della salute, Dottorato in scienze della vita e della salute applicate, Bioscienze (2007-2012), Genomica applicata alla salute (2003-2006)

**Incarichi internazionali**

- 2014-2018: esperto valutatore, Commissione Europea, REA, H2020-HSCA-IF, Panel LIF
- 2016-2017: valutatore progetto UE "Baltinfect", Università di Riga Stradina, Riga (LV)
- 2014-2018: GHIT Fund Reviewer, Japan R & D for Global Health
- 2014: esperto valutatore, Commissione Europea, H2020-PCH-2014-two stages (01, 03, 17, 18, 22)
- "2010-2014: valutatore esperto, Commissione europea, REA, FP7-PEOPLE, Life Panel
- "2009: Evaluator NHLS Research Trust Grant
- "2002-2003: Assistente / Coordinatore, Partnership per gli studi clinici nei paesi europei e in via di sviluppo (EDCTP), Milestone 4

**Incarichi istituzionali**

- Membro della Scuola di dottorato in Scienze della Vita e della Salute, dottorato in Scienze Applicate della Vita e della Salute
- 2015-2018: Rappresentante in Giunta dei Professori Associati, Dipartimento di Neuroscienze, Biomedicina e Scienze del Movimento
- 2010-2014: Rappresentante dei Ricercatori di Medicina in Senato Accademico, Membro della Commissione istruttoria permanente per la Ricerca e Commissione istruttoria di Ateneo Regolamento fondo premiale, Membro della Commissione per le risorse economiche e strutturali, Facoltà di Medicina.

Dal 1999 al 2001

**Ricercatore associato, "Poste Rouge" CNRS**  
**Borsista "Agence Nationale de Recherche sur le SIDA" (ANRS)**

IPBS-CNRS, Tolosa, Francia

Ricercatore borsista, ANRS

Partecipazione allo sviluppo della start-up "GeneINTEL", Francia

Dal 1997 al 1998

**Borsista "Marie Curie Research Training Grant", Commissione Europea**

Unité D'Immunologie Virale, Department des Retrovirus et du SIDA, Institut Pasteur, Parigi, Francia

**Dal 1993 al 1996**    **Borsista di Ricerca**  
 Center for AIDS Research (CFAR), Stanford University Medical Center, California, USA  
 Ricercatore a contratto, Stanford University Medical Center (1995-1996)  
 Borsista, Ministero della Sanità, vincitore Borsa AIDS per l'estero (1993-1994)

**Dal 1989 al 1991**    **Borsista di Ricerca**  
 IRCCS Policlinico S. Matteo, Pavia  
 IGBE-CNR, Pavia  
 Borsista, Ministero della Sanità, vincitore Borsa AIDS (1992-1993)

**ISTRUZIONE E FORMAZIONE**

**Novembre 1996**    **PhD Fellow in Infectious Diseases**  
 Stanford University, California, USA

**Dicembre 1990**    **Esame di Stato – Abilitazione alla professione di Biologo**  
 Università di Pavia

**Settembre 1989**    **Laurea in Scienze Biologiche (110 e lode)**  
 Università di Pavia

**COMPETENZE PERSONALI**

Lingua madre    Italiano

Altre lingue

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Ascolto	
Inglese	C2	C2	C1	C1	C2
Francese	C2	C2	C1	C1	B1

Livelli: A1/A2: Utente base - B1/B2: Utente intermedio - C1/C2: Utente avanzato  
[Quadro Comune Europeo di Riferimento delle Lingue](#)

**Competenze tecniche ed informatiche**

- Virologia, Biologia Molecolare, Biologia Cellulare, Immunologia
- Computer: linguaggio C; sistemi operativi Unix, Linux, Mac OSX, Windows, Bioinformatica, Word Processing, Database analysis, analisi statistiche
- 1991 Sviluppo di un programma informatico per il calcolo dei parametri per la PCR, distribuito dalla M-Medical Genenco, Firenze

**Competenze organizzative e gestionali**

Responsabile fondi di ricerca e group leader dal 2003

Finanziamenti personali:

- 2011: 6<sup>th</sup> FP, "Analysis of the interaction between HLA-C and HIV-1 Env". European Commission EUROPRIZE Innovation Award (100000 €)
- 2007-2011: 6<sup>th</sup> FP, "European Vaccines and Microbicides Enterprise". European Commission EUROPRIZE Project (200000 €)
- 2007: "Azione Concertata per lo sviluppo di un vaccino contro HIV/AIDS". Programma Nazionale AIDS, Istituto Superiore di Sanità I (ICAV), Ministero della Sanità, n. 45G.41 (35000 €)
- 2005: "Induzione di anticorpi neutralizzanti ad ampio spettro contro il virus dell'immunodeficienza umana (HIV) per lo studio di un vaccine contro l'AIDS". Programma di Ricerca Scientifico 2005, Fondazione Cariverona (107200 €)
- 2004: "Vaccine development and Selection". Programma Nazionale AIDS, Istituto Superiore di Sanità (ICAV), Ministero della Sanità, n. (42000 €)

Finanziamenti come partecipante a gruppi di ricerca:

- 2017: Produzione di line linfocitarie ingegnerizzate con il Sistema CRISPR per lo studio delle malattie linfoproliferative (LymphoCRISPR). Joint Project, University of Verona.
- 2010: Progetto RSF 300/09, "Nuovi approcci per la cura della fibrosi cistica mediante terapia genica e cellulare", Regione Veneto.
- 2010: Ministero della Sanità, Programma di ricerca sull'AIDS: "HLA-C and HIV-1: from the structural biology of the interaction between HLA-C and gp120 to the development of a novel bimodal vaccine inducing antibodies that prevent viral entry and trigger NK cells antiviral activity". ISS40H92.
- 2005: Ministero della Sanità, Programma di ricerca sull'AIDS: "Influenza della coinfezione da HTLV-II sulla progressione della malattia da HIV-1".
- 2005: Fondazione Cariverona: "Studio dell'influenza dei retrovirus oncogeni umani "Human T-cell Leukemia Virus "(HTLV) sui processi patogenetici indotti in cellule ematopoietiche e del ruolo del citomegalovirus umano sulla insorgenza di adenocarcinoma nell'uomo".
- 2002: Ministero della Sanità, Programma di ricerca sull'AIDS: "Cryptic and conformational epitopes of gp120: use of molecular complexes between gp120 and cellular proteins to induce cross-neutralizing antibodies".

#### Altre competenze professionali

Relatore, co-relatore o tutor per tesi di Laurea e di Dottorato:

- Dottorato di Ricerca in Scienze Applicate della vita e della salute, Università di Verona
- Dottorato di Ricerca in Bioscienze, Università di Verona
- Dottorato di Ricerca in Bioscienze, Università di Verona, in co-tutela con Universidad La Laguna, Tenerife, Spagna
- Dottorato di Ricerca in Genomica applicata alla salute, Università di Verona
- Dottorato di Ricerca in Scienze Biomolecolari, Università di Trento
- Dottorato di Ricerca in Medicina Molecolare, Università "Vita-Salute San Raffaele, Milano
- Dottorato di Ricerca in Scienze Biomediche Cliniche e Sperimentali, Università degli Studi di Milano
- Laurea in Bioinformatica e Biotecnologie mediche, Università di Verona
- Laurea in Biologia della salute, Facoltà di Scienze, Università di Padova
- Corso di laurea in Biotecnologie, Dipartimento di Biotecnologie, Università di Verona
- Corso di laurea in Biotecnologie agroindustriali, Università di Verona
- Laurea in Scienze Biologiche, Università di Roma "La Sapienza"
- Metrise Biochimie, Orientation Technologies Biologiques, Université Paul Sabatier Toulouse, Francia / Freien Universität Berlin, Germania

#### Patente di guida

- Patente italiana B e relativa patente di guida internazionale
- California (USA) Driving License

#### INVITI A SEMINARI E PRESENTAZIONI ORALI A CONFERENZE E CONGRESSI

- "New applications of the genome editing techniques to discover bone pathways". Bone across the life span: function, dysfunction and therapy. Summer School, University of Verona, 2-6 October 2017.
- "CRISPR/Cas9 as a tool for the study of the interactions between viruses and host". The Present and future of genome editing. 9 June 2017, UMG Campus, Catanzaro, Italy.
- "CRISPR/Cas9 as a tool for the study of the interactions between viruses and host". Dermatologic Spring In Iasi – HPV Symposium, 30.3.2017-1.4.2017, Iasi, Romania.
- "HLA-C and HIV-1: friends or foes?" CIBIO-University of Trento (Italy), 12 April 2013.
- "HIV-1 Env and HLA-C association is selective for heavy chains open conformers and excludes  $\beta$ 2m". 4C Meeting, St. George's Hospital, London (UK), 8 April 8 2013.
- "HIV-1 Env associates with HLA-C open conformers and transports HLA-C on the cell membrane". Workshop on HLA-C and HIV – Villa La Collina, Cadenabbia (Como), 9-11 July 2012.
- "HIV-1 Env glycoprotein and HLA-C associate and increase HIV-1 infectivity" Rational Design of HIV Vaccines and Microbicides – Europrise Network Annual Conference, Prague (Czech Republic), 17 November 2011.
- "HLA-C increases HIV-1 infectivity: a potential target for therapeutic intervention?". Istituto di Genetica Molecolare del CNR, Pavia, 18 January 2011.
- "HLA-C increases HIV-1 infectivity by interacting with the envelope glycoprotein gp120" Rational Design of HIV Vaccines and Microbicides – Europrise Network Annual Conference, Lisbon (P), 18

November 2010.

- “Fusion complexes and CD4-independent Env for the induction of broad spectrum neutralizing antibodies against HIV-1”. 12<sup>th</sup> Annual International Meeting of the Institute of Human Virology, Tropea (Italy), 6 October 2010.
- “HLA-C increases HIV-1 infectivity: a potential target for therapeutic intervention?”. Facultad de Medicina, Universidad de La Laguna, Tenerife, Spain, 28 May 2010.
- “Broad spectrum neutralizing antibodies against HIV-1 elicited by immunizing with fusion complexes and CD4-independent gp120/41s”. Rational Design of HIV Vaccines and Microbicides – Europrise Network Annual Conference, Budapest (HU), 16 November 2009.
- “Broad spectrum neutralizing antibodies against HIV-1 elicited by immunizing with fusion complexes”. 11<sup>th</sup> Annual International Meeting of the Institute of Human Virology, Baltimore (USA), September 11, 2008.
- “Fusion complexes as immunogens for the induction of broad spectrum neutralizing antibodies against HIV-1”. Rational Design of HIV Vaccines and Microbicides, Europrise, Novartis Siena (Italy), 22 November 2007.
- “New immunogens to elicit broad spectrum neutralizing antibodies against HIV-1”. Département de Virologie, Institut Pasteur, Paris (France) 2 October 2007.
- “HLA class I increases the efficiency of fusion between the HIV-1 envelope and the target cell membrane and is part of the fusion complex between the gp120/gp41 and the cellular receptors”. 8<sup>th</sup> ECEAR 2006 Conference, Naples (Italy), 27 May 2006.
- “Fusion complexes and CD4-independent gp120s for the induction of HIV-1 neutralizing antibodies”. 2005 International Meeting of the Institute of Human Virology, Baltimore (USA) 1 September 2005.
- “Induction of HIV neutralizing antibodies using fusion complexes”. Institut Pasteur, Paris (France) 14 June 2005.
- “Induction of HIV neutralizing antibodies using fusion complexes”. Scientific Workshop “HIV and vaccines: from basic science to human clinical trials”. Research & Progress Foundation, Catania, 7-8 May 2005.
- “Induction of HIV-1 neutralizing antibodies by fusion complexes.” 2004 International Meeting of the Institute of Human virology, Baltimore (USA) 3 November 2004.
- “Induction of human immunodeficiency virus (HIV) broad spectrum neutralizing antibodies with fusion complexes.”. 4th National Congress of The Italian Society of Virology, Orvieto (Italy) September 22, 2004.
- “Fusion complexes as broad spectrum anti-HIV vaccine” – 2003 International Meeting of the Institute of Human Virology, Baltimore, USA, 3 October 2003.
- “Analisi dei cambiamenti conformazionali nella gp120/gp41 del virus HIV nel corso della fusione membranaria per lo sviluppo di un vaccino a largo spettro contro HIV” – Università di Verona, Italy, 20 September 2001.
- “HIV entry: a possible target for a vaccine?” – IRBM (Merck), Pomezia (Rome), Italy, 16 May 2001.
- “HIV entry: a possible target for a vaccine?” – DIBIT S. Raffaele, Milan, Italy, 22 May 2001.
- “Development of an anti-HIV vaccine” – IPBS-CNRS, Toulouse, 30 November 30 2000.
- “Interactions between human cytomegalovirus and chemokines” - ROCHE, Basel (Switzerland), 14 November 1997.
- “Interactions between human cytomegalovirus and chemokines” - TRANSGENE, Strasbourg (France), 29 September 1997.
- “Human cytomegalovirus infection induces chemokines and chemokines receptors” - I.G.B.E.-C.N.R. - D.G.M., Pavia (Italy), 17 July 17 1997.
- “Human Cytomegalovirus (CMV) DNA in plasma reflects the quantity of CMV DNA present at cellular sites but not symptomatic disease” - Department du SIDA et des Retrovirus, Pasteur Institut, Paris (France), 2 December 1994.
- “HCMV presence in plasma correlates with presence of virus in leukocytes but not with clinical symptoms” - I.G.B.E.-C.N.R., Pavia (Italy), 23 November 1994.
- “Quantification of HCMV DNA in leukocyte cells from immunocompromised patients by mean of Polymerase chain reaction” - Interdepartmental Center for Biotechnologies, University of Ferrara (Italy), 7 October 1992.
- “Use of PCR for Virological diagnosis” - Course “New Laboratory Technologies, 1991” - Modena (Italy), 20 March 1991.
- “Synthetic Oligonucleotides for Virological diagnosis” - Biological Chemistry Institute, Ferrara (Italy), 12 December 1990.
- “Use of PCR for the diagnosis of human Cytomegalovirus” - Istituto Zooprofilattico della Lombardia e dell’Emilia, Brescia (Italy), 19 April 1990.

## CORSI

- "Theory and practical course on digital microscopy". University of Verona, May 11, 2004.
- Module "Projet d'innovation technologique" – Ecole Supérieure de Commerce, UPS Toulouse (France), June 1-11, 1999.
- Bioinformatic classes (sequence analysis, comparisons, phylogenetic, alignments, motifs, Markov's models, GCG, etc.), Institut Pasteur Paris (France), October 16-December 16, 1998.
- Computer classes (Network, HTML, Shell, UNIX). Institut Pasteur Paris (France), October 2-17, 1997.
- "New advances in gene cloning and expression". Paris (France), June 20, 1997.
- Evaluation and management of AIDS-related CMV - Palo Alto, CA (USA), December 2, 1996.
- Computer Applications in Molecular Biology - Stanford University, CA (USA), April 3 - June 5, 1996.
- "1983-1993: 10 years of PCR – Milan (Italy), DIBIT - Ospedale S. Raffaele, April 23, 1993.
- PCR: new applications and future development – Padua (Italy), "A. Vallisneri" Center, September 24, 1992.
- Computer applications in Molecular Biology - I.C.G.E.B.-U.N.I.D.O., Trieste, July 13-24, 1992.
- "AIDS 1992" - A.M.C.L.I., Milan (Italy), April 9, 1992.
- PCR afternoon – Milan (Italy), "San Raffaele" Hospital, March 23, 1992.
- Scientific and organization problems for the diagnostic application of Polymerase chain reaction - A.M.C.L.I. (Italian Medical and Clinical Association), Genoa (Italy), December 11-12, 1991.
- New perspective for the use of DNA probes in laboratory - University of Brescia (Italy), April 29-30, 1991.
- Over PCR: new methodologies for genetic analysis and biomedical research – Verona (Italy), Biological Sciences Institute, February 22, 1991.
- Applications of Polymerase Chain Reaction (PCR) in immunology – Milan (Italy), M. Negri Institute, April 3, 1990 (organized by Perkin Elmer Cetus).
- Theory and Practice Course on the use of DNA amplification by mean of Polymerase Chain Reaction – Milan (Italy), M. Negri Institute, October 3, 1989.

 PARTECIPAZIONI A  
 CONFERENZE, CONGRESSI,  
 CONVEGNI E WORKSHOP

- The future of cancer therapy: the genome editing era. 8-9 June 2017, UMG Campus, Catanzaro, Italy.
- Dall'esoma per tutti al genoma di tutti. Il sequenziamento dei genomi in italia: progetti in corso e prospettive – Palazzo della Gran Guardia, Verona, 19 April 2017.
- Dermatologic Spring In Iasi – HPV Symposium, 30.3.2017-1.4.2017, Iasi (Romania).
- 58th Annual Meeting of the Italian Cancer Society. Verona, September 5-8, 2016
- International Symposium on "Resolving Cancer Heterogeneity" – Verona, 30.6-2.7.2016
- "Pharmacogenetics & Global Health – University of Verona, March 21, 2014.
- "Pharmacogenetics & Global Health – University of Verona, March 15, 2013.
- Workshop on HLA-C and HIV – Villa La Collina, Cadenabbia, Como (Italy), 9-11 July 2012.
- Rational Design of HIV Vaccines and Microbicides – Europrise Network Annual Conference, Prague (CZ), 14-17 November 2011.
- 13<sup>th</sup> Annual International Meeting, Institute of Human Virology, Baltimore (USA), October 30-November 2, 2011.
- Antibodies Beyond Binding". Europrise/University of Strasbourg, France, 31 May-1 June 2011.
- Rational Design of HIV Vaccines and Microbicides – Europrise Network Annual Conference, Lisbon (P), 15-18 November 2010.
- 12<sup>th</sup> Annual International Meeting of the Institute of Human Virology, Tropea (Italy), October 4-8, 2010
- Workshop "B cell immunity and HIV". Europrise/HSR, San Raffaele Scientific Institute, Milan, Italy, 10-11<sup>th</sup> June 2010.
- Rational Design of HIV Vaccines and Microbicides – Europrise Network Annual Conference, Budapest (HU), 15-18 November 2009.
- 25 years after discovering HIV as the cause of AIDS. University of Maryland School of Medicine, Baltimore (USA), May 9-11, 2009.
- GSK Vaccines: from innovation to implementation. GlaxoSmithKline, Verona (Italy), December 5-6, 2008.
- Rational Design of HIV Vaccines and Microbicides – Europrise Network Annual Conference, Malta, 10-13 November 2008.
- 11<sup>th</sup> Annual International Meeting of the Institute of Human Virology, Baltimore (USA), September 11-13, 2008.
- 25 Years of HIV. Institut Pasteur, Paris (France), May 19-21, 2008.
- Rational Design of HIV Vaccines and Microbicides, Europrise, Novartis Siena (Italy), November 21-22, 2007.
- Early Steps of the Virus Life Cycle: Molecular and Cellular Insight. Conference, Institut Pasteur, Paris, France, 4-5 October 2007.
- Rational Design of HIV Vaccines and Microbicides, The Nobel Forum, Karolinska Institute, Stockholm, Sweden, 10-12 June 2007
- International Workshop "Viruses, Genes and Cancer", Venice (Italy), 22-23 March 2007.
- 2006 International Meeting of the Institute of Human Virology, Baltimore (USA) November 16-22 2006.
- 8<sup>th</sup> ECEAR 2006 Conference, Naples (Italy) May 26-28, 2006.
- HERN Meeting 2006, Verona (Italy), 19-21 May 2006.

- 5<sup>th</sup> National Congress of the Italian Society of Virology (SIV), Orvieto (Italy), September 19-21 2005.
- 2005 International Meeting of the Institute of Human Virology, Baltimore (USA) August 29 – September 2, 2005.
- Scientific Workshop “HIV and vaccines: from basic science to human clinical trials”. Research & Progress Foundation, Catania, 7-8 Maggio 2005.
- V Programma Nazionale di Ricerca sull’AIDS, Progress Report Meeting, Roma, 2-6 May 2005.
- 2004 International Meeting of the Institute of Human Virology, Baltimore, USA, October 21-November 4, 2004.
- Institut Pasteur EuroConferences – “Vaccines 3. Frontiers in vaccine development” – Paris (France), October 7-8, 2004.
- 4<sup>th</sup> National Congress of the Italian Society of Virology (SIV). Orvieto, Italy, 20-22 Sept. 2004.
- Pharma-Planta Meeting, Verona, Italy, May 14-15, 2004.
- 2003 International Meeting of the Institute of Human Virology, Baltimore, USA, September 29-October 3, 2003.
- 3<sup>rd</sup> National Congress of the Italian Society of Virology (SIV). Cortona, Italy, September 22-24, 2003.
- ECEAR 2002 – 7<sup>th</sup> European Conference on Experimental AIDS Research – Genova (Italia), 8-11 June 2002.
- Institut Pasteur EuroConferences – “Vaccines of the Future” – Paris (France), October 17-19, 2001.
- 3e carrefour Français des Biotechnologies – Toulouse-Labège (France), October 26-27, 1999.
- Institut Pasteur EuroConferences – “Chemokines and their receptors: from basic research to therapeutic intervention” – Paris (France), March 11-13, 1999.
- Second Louis Pasteur Conference on infectious diseases – Institut Pasteur, Paris (France), October 8-10, 1998.
- Conference France Biotech “Du Chercheur au Createur D’Entreprise” – Maison de la Chimie, Paris, September 28, 1998.
- 35th Interscience Conference on Antimicrobial Agents and Chemotherapy - ICAAC - San Francisco, CA (USA), September 17-20, 1995.
- Fifth International Cytomegalovirus Conference - Stockholm, Sweden, May 21-24, 1995.
- IXth International Conference on AIDS - IVth STD World Congress - Berlin (Germany), June 6-11, 1993.
- Fourth International Cytomegalovirus Conference - Institut Pasteur, Paris (France), April 18-21, 1993.
- Synthetic oligonucleotides for molecular diagnosis - Interdepartmental Center for Biotechnologies, University of Ferrara (Italy), October 6-7, 1992.
- V° Research Project on AIDS - Ministry of Health, Istituto Superiore di Sanità - Orbetello (Grosseto), June 13-17, 1992.
- SIBBM-AGI - Porto Conte-Alghero (Italy), 2-5 October 1991.
- Third International Cytomegalovirus Workshop - Policlinico S. Orsola - Bologna (Italy), June 11-14, 1991.
- Synthetic Oligonucleotides in Molecular Biology and Biotechnology - Biological Chemistry Institute, Ferrara (Italy), December 12, 1990.
- XXVII Scientific Conference of the Italian Biophysics and Molecular Biology Society (SIBBM) - Cortona (Italy), October 15-17, 1990.

## APPARTENENZA A GRUPPI E ASSOCIAZIONI

- Membro della Società Italiana di Biochimica e Biologia Molecolare (SIBBM)
- Membro della Marie Curie Fellows Association (MCFA)

## ATTIVITÀ DIVULGATIVE E DI TERZA MISSIONE

- Vaccino o VaccinSI? Chi ha paura dei vaccini?”. Università di Verona, 30 Maggio 2017.
- “Il triste inverno dell’Università Italiana”. Ca Vignal 2, Verona, 22 Novembre 2016.
- “Virus ed evoluzione & evoluzione dei virus”. Darwin Day, Verona, 19 Febbraio 2016.
- “The experience of an expert evaluator of Marie Curie individual fellowship proposals”. Information Day on Marie Curie Actions, Università di Verona, 4 Aprile 2014.

## ATTIVITÀ EDITORIALI

- Guest Editor per il Journal of Immunology Research, Special Issue on “Inflammation in Cancer: Part of the problem or Part of the Solution?”, 2018.
- Rapporti su “Clinical trials for drugs and vaccines against HIV/AIDS, Tuberculosis and Malaria”, for the European and Developing Countries Clinical Trial Partnership (EDCTP), Commissione Europea, 2003.
- Peer Reviewer per le riviste scientifiche: PNAS, Retrovirology, Vaccine, The Open Autoimmunity Journal, Intervirology, etc.
- Revisore MIUR, Valutatore Progetti FIRB e PRIN
- Traduttore e correttore per la compagnia americana “Biomedical Translations”, Palo

Alto/Modesto, California, USA, dal 1993 al 2012 ([www.biomedical.com](http://www.biomedical.com)) e per la compagnia Tembua® dal 2013 ([www.tembua.com](http://www.tembua.com)).

- Consulente (HIV-AIDS) per il sito Internet "Health 2000" (<http://www.health2000.net/>).
- Zipeto D.: "Un vaccino per HIV" – Bioagency 19 Gennaio 2004 ([http://www.bioagency.it/index.html?sezione=articolo&doc=interviste&id=BT190104&char=3350&id\\_intervista=5](http://www.bioagency.it/index.html?sezione=articolo&doc=interviste&id=BT190104&char=3350&id_intervista=5)).
- Articolo "Il contagio nel mondo" – Primo Informare – Scienze e Tecnologie, Il Mondo, 20 Dicembre 1997, pag. 96.

Thomson Reuters Integrity Disease Briefings:

- "Influenza" - D. Zipeto, T. Stegmann (2001).
- "Human Cytomegalovirus" - D. Zipeto, L. Rasmussen (2001).
- "HIV and AIDS" - D. Zipeto, T. Stegmann (2001).
- "Herpes Simplex Virus" - D. Zipeto, L. Rasmussen (2002).
- "Respiratory Syncytial Virus" - D. Zipeto, L. Rasmussen (2002).
- "Rhinoviruses" - D. Zipeto, L. Rasmussen (2002).
- "Poxvirus" - D. Zipeto, L. Rasmussen (2003).
- "SARS" - D. Zipeto, L. Rasmussen (2004).
- "Rotaviruses" - D. Zipeto, L. Rasmussen (2005).
- "Epstein-Barr Virus" - D. Zipeto, L. Rasmussen (2006).
- "Human T-cell Leukemia Viruses" - D. Zipeto, M. Turci (2007)
- "Influenza" - D. Zipeto (2010)

## BREVETTI

- 1998: "Vecteurs derives d'anticoprps pour le transfert de substances dans les cellules". Avrameas A., Avrameas S., Biondel B., Buttin G., Couderc T., Michelson S., Saron M.F., Ternynck T., **ZIPETO D.** EP1001815B1, WO/1999/007414  
<http://www.sumobrain.com/patents/wipo/Vectors-derived-from-antibodies-transferring/WO1999007414.html>  
<http://www.google.com/patents/EP1001815A1?c=fr>
- 2003: "Single-chain antibody fragments for transferring substances into cells". Avrameas A., Avrameas S., Biondel B., Buttin G., Couderc T., Michelson S., Saron M.F., Ternynck T., **ZIPETO D.** Application 09/497,997, US Patent N. 6,635,248 (B1), Issued October 21, 2003. International A61K35/12; A61K38/00; A61K39/395; A61K45/00; A61K47/48; A61P31/12; A61P31/18; A61P31/22; C07K16/00; C07K16/18; C07K16/28; C07K19/00; C12N1/15; C12N1/19; C12N15/09; C12N5/10; C12N5/20; C12P21/08. European: A61K47/48R; A61K47/48T4K; C07K16/18; C07K16/28.
- 2009: "Vector derived from antibodies for transferring substances into cells". Ternynck T., Avrameas A., Buttin G., Avrameas S., Saron M.F., Blondel B., Couderc T., Michelson S., **ZIPETO D.** Application 10/460,471. US Patent N. 7,628,987 (B2), Issued December 8, 2009. International A61K39/00; A61K39/12. European: C07K16/10K1F; C07K16/44.  
<http://www.patentgenius.com/inventedby/ZipetoDonatoParisFR.html> -  
<http://www.patentbuddy.com/Inventor/Zipeto-Donato/12091298> -  
[http://www.directoryinventor.com/inventor/Zipeto\\_Donato\\_1.html](http://www.directoryinventor.com/inventor/Zipeto_Donato_1.html)

PUBBLICAZIONI

Analisi delle pubblicazioni

Pubblicazioni come primo autore, ultimo o corresponding: >50%  
 Impact Factor totale (ISI 2016): 237.3  
 Impact Factor personale medio: 5.3  
 Research Gate Score: 34.19 (Higher than 92.5% of RG Members')

NOME	N.	IF*	QUARTILE
AIDS	1	5.003	Q1
AIDS Research and Human Retroviruses	2	2.095	Q2
Antimicrobial Agents and Chemotherapy	1	4.302	Q1
APMIS	1	1.795	Q2
Drug of the Future	1	0.035	Q4
Frontiers in Microbiology	1	4.076	Q1
Infectious Agents and Cancer	1	1.422	Q2
Invest Ophth Vis Sci	1	3.303	Q1
J Acquired Immune Deficiency Syndrome	8	3.935	Q1
Journal of Clinical Microbiology	3	3.712	Q1
Journal of Experimental Medicine	1	11.991	Q1
Journal of General Virology	3	2.838	Q2
Journal of Immunology	1	4.856	Q1
Journal of Infectious Diseases	5	6.273	Q1
Journal of Virological Methods	1	1.693	Q3
Journal of Virology	2	4.663	Q1
Microbes and Infection	1	2.152	Q2
Microbiologica	1	1.629	Q2
Molecular and Cellular Probes	1	1.403	Q4
Retrovirology	5	3.867	Q1
Scientific Reports	2	4.259	Q1
Science	2	37.205	Q1
*Impact Factor ISI 2016	45		

	ISI Web of Science (all databases)	Scopus (Dal 1996)	Publish or Perish (Harzing's)	Google Scholar (Trita-H engine)	Research Gate
Numero di pubblicazioni	46	35	60	48	54
Citazioni	1784	1711	2289	2101	1852
H-Index	18	18	21	19	21



**PUBBLICAZIONI IN ESTENSO** (PM: PubMed; SC: Scopus; WoS: ISI Web of Science; GS: Google Scholar; RG: Research Gate)

1. Fochi S., Mutascio S., Bertazzoni U., **ZIPETO D.**, Romanelli M.G.: "HTLV deregulation of the NF- $\kappa$ B pathway: an update on Tax and antisense protein role". *Frontiers in Microbiology* 9: 285 (2018). [SC, RG, WoS, PM, GS]
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4. Serena M., Parolini F., Biswas P., Sironi F., Blanco-Miranda A., Zoratti E., Scupoli M.T., Ziglio S., Valenzuela-Fernandez A., Gibellini D., Romanelli M.G., Siccardi A., Malnati M., Beretta A., **ZIPETO D.**: "HIV-1 Env associates with HLA-C free-chains at the cell membrane modulating viral infectivity". *Scientific Reports* 7, 40037; doi:10.1038/srep40037 (2017). [PM, RG, WoS, SC, GS]
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6. Serena M., Gasparini F., Astone D., Calligaris C., Muddei M., Giorgietti A., **ZIPETO D.**: "Human Thioesterase 8 and HIV-1 Nef interactions: insights from in silico predictions and in vitro assays". *Journal of Acquired Immune Deficiency Syndromes* Vol. 67: 90. P-D9. doi: 10.1097/01.qai.0000456198.95066.e2 (2014) ISSN 1525-4135 [GS, WoS]
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8. Garcia-Exposito L., Ziglio S., Barroso-Gonzales S., De Armas-Rillo L., Valera M. S., **ZIPETO D.**, Machado J.D., Valenzuela-Fernandez A.: "Gelsolin activity controls efficient early HIV-1 infection". *Retrovirology* 10: 39 (2013). [SC, RG, WoS, PM, GS] (Biomed Central Highly Accessed).
9. **ZIPETO D.**, Beretta A.: "HLA-C and HIV-1: friends or foes?". *Retrovirology* 9: 39 (2012). [SC, RG, WoS, PM, GS] (Biomed Central Highly Accessed).
10. Ziglio S., Astone D., Danesin G., Racchiolli P., Blanco A., **ZIPETO D.**: "Association Analysis Between HIV-1 Env and HLA-C Using Bimolecular Fluorescence Complementation". *Journal of Acquired Immune Deficiency Syndromes* Vol. 59: Supplement 1, #78. doi: 10.1097/01.qai.0000413799.87274.a3 (2012) Online ISSN 1077-9450 [GS]
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41. **ZIPETO, D.**, Revello, M. G., Silini, E., Parea, M., Percivalle, E., Zavattoni, M., Milanese, G., Gerna, G.: "Development and Clinical Significance of a Diagnostic Assay Based on the Polymerase Chain Reaction for Detection of Human Cytomegalovirus DNA in Blood Samples from Immunocompromised Patients" - *Journal of Clinical Microbiology* 30, 527-530 (1992). [SC, RG, WoS, PM, GS]
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43. Gerna, G., **ZIPETO, D.**, Parea, M., Revello, M. G., Silini, E., Percivalle, E., Zavattoni, M., Grossi, P., Milanese, G.: "Monitoring of human cytomegalovirus infections and ganciclovir treatment in heart transplant recipients by determination of viremia, antigenemia and DNAemia". - *The Journal of Infectious Diseases* 164, 488-498 (1991). [SC, RG, WoS, PM, GS]
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**CAPITOLI DI LIBRI**

1. **ZIPETO, D.**, Cavicchini, A., Baldanti, F., Furione, M., Milanese, G., Gema, G.: "Quantificazione del DNA di citomegalovirus umano (HCMV) nei leucociti di pazienti immunocompromessi mediante polymerase chain reaction". In: "Oligonucleotidi Sintetici in Diagnostica Molecolare", R. Gambari, C. Nastrozzi, R. Piva Editors, Ferrara, October 1992: p. 1-6.
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3. **ZIPETO, D.**, Silini, E., Parea, M., Percivalle, E., Gema, G., Milanese, G.: "Impiego di oligonucleotidi sintetici per la diagnosi di viremia da citomegalovirus umano mediante polymerase chain reaction" - In: "Oligonucleotidi Sintetici in Biologia Molecolare e Biotecnologia", R. Gambari e C. Nastrozzi Editors, Ferrara, November 1990; pag. 83-86.

**ABSTRACT, POSTER E ATTI DI COMUNICAZIONI A CONGRESSI**

1. Fochi S., Mutascio S., Parolini F., **ZIPETO D.**, Romanelli M.G.: "HTLV antisense proteins role in the NF-kB modulation". Virology 2017 Conference, 30-31 October 2017, Toronto (Canada).
2. Parolini F., Biswas P., Serena M., Sironi F., Mutascio S., Muraro V., Guizzardi E., Malnati M., Beretta A., Romanelli M.G., **ZIPETO D.** "HLA-C expression levels and binding stability to  $\beta 2m$  are involved in HIV-1 infectivity". 9th IAS Conference on HIV Science. 23-26 July 2017, Paris (France), pp. 226-227.
3. Parolini F., Mutascio S., Serena M., Fochi S., Romanelli M. G., **ZIPETO D.**: "CRISPR/Cas9 to study virus-host interactions" SIBBM congress 'From Single Cells to 3D-Cell Culture' - Milan (Italy). P.68. 14-16 June, 2017.
4. Fochi S., Mutascio S., Parolini F., **ZIPETO D.**, Romanelli M.G.: "Host-virus interactions: HTLV antisense regulatory proteins play a role in the dysregulation of NF-kB pathway" - SIBBM congress 'From Single Cells to 3D-Cell Culture' - Milan (Italy). P. 28. 14 - 16 June, 2017.
5. Cheri S., **ZIPETO D.**, Deiana M., Serena M., Parolini F., Gandini A., Mina, M., Mutascio S., Visser A., Mottes M., Dalle Carbonare L., Valenti M. T.: "CRISPR/Cas9 genome editing in melanoma cells: new insight of RUNT domain". 6th Sardinian International Summer School 'From Genome-wide association studies (GWAS) to function'. P: 4. Pula (Italy) - 12 - 16 June 2017.
6. Valenti MT., **ZIPETO D.**, Deiana M., Serena M., Parolini F., Cheri S., Gandini A., Mina M., Mutascio S., Viser A., Dalle Carbonare L.: "CRISPR/Cas9 mediated knock-out of RUNX2 in melanoma cells". AICC Congress "The Future of Cancer Therapy: The Genome Editing Era", University Magna Grecia, Catanzaro, Italy, 8-9<sup>th</sup> June 2017. P 16.
7. Fochi S., Mutascio S., Parolini F., **ZIPETO D.**, Romanelli M.G.: "A CRISPR/Cas9 based approach to study the implication of HTLV regulatory proteins in the NF-kB modulation". AICC Congress "The Future of Cancer Therapy: The Genome Editing Era", University Magna Grecia, Catanzaro, Italy, 8-9<sup>th</sup> June 2017. P09.
8. Parolini F., Mutascio S., Serena M., Fochi S., Romanelli M.G., **ZIPETO D.**: "CRISPR/Cas9 for the study of the interactions between viruses and host". AICC Congress "The Future of Cancer Therapy: The Genome Editing Era", University Magna Grecia, Catanzaro, Italy, 8-9<sup>th</sup> June 2017. P17.
9. Parolini F., Mutascio S., Serena M., Fochi S., Romanelli M. G., **ZIPETO D.**: "CRISPR/Cas9 as a tool for the study of the interactions between viruses and host". Dermatologic Spring In Iasi – HPV Symposium, 30.3.2017-1.4.2017, Iasi (Romania); Abstract Book, Pag. 72-73. ISBN:978-973-37-20-28-7.
10. Guizzardi E., Nicolis E., Gandis A.R., Gaio M., Arena S., Gandini G., Parolini F., Serena M., Romanelli M.G., **ZIPETO D.**: "Il ruolo di HLA-C nell'infezione da HIV-1". XXIII Congresso Nazionale AIBT, L'Aquila, 6-8 Ottobre 2016. Abstract Book, Pag. 147-148.
11. Serena M., Parolini F., Zoratti E., Scupoli M., Romanelli M.G., **ZIPETO D.**: "CRISPR/Cas9 as a tool for studying the interactions between viral and cellular proteins" pag. 16 (selected oral presentation). 12th SIBBM Seminar Frontiers in Molecular Biology. Naples (Italy), 16-18 June 2016.
12. Fochi S., Bergamo E., Serena M., **ZIPETO D.**, Romanelli M.G.: "Human T-cell leukemia virus HBZ and APH-2 antisense proteins interaction with host factors and their involvement in NK-kB activation". Pag. 59, P. 39. 12th SIBBM Seminar Frontiers in Molecular Biology. Naples (Italy), 16-18 June 2016.
13. Fochi S., Bergamo E., Serena M., **ZIPETO D.**, Romanelli M.G.: "HTLV-1 and HTLV-2 Tax, HBZ and APH-2 interaction with host factors: their involvement in cellular pathways regulation. HERN 2016, pp. 1-48. Bucarest, 20-22 May 2016.
14. Valenzuela-Fernandez A, Garcia-Exposito L., Ziglio S., Barroso-Gonzales S., De Armas-Rillo L., Valera M. S. Marrero Hernandez S., **ZIPETO D.**, Machado J.D.: "Gelsoin activity controls efficient early HIV-1 infection". VII Congreso Nacional GeSIDA, Madrid (Spain), 1-4 December, 2015.
15. Serena M., Parolini F., Giorgiotti A., Busato M., Gasparini F., Diani E., Romanelli M. G., **ZIPETO D.**: "In silico structural prediction and in vitro functional validation identify the ACOT8 regions involved in the interaction with HIV-1 Nef". The 27th International Workshop on Retroviral Pathogenesis, Mülheim an der Ruhr, Germany, August 24-27, 2015; pp. 77-79.
16. Bergamo E., Diani E., Fochi S., Lorenzi P., Serena M., **ZIPETO D.**, Romanelli M. G.: "The human T-cell leukemia virus-2 (HTLV-2) antisense protein APH-2 interacts with p65 and inhibits NF-kB Tax-2 Activation". SIBBM 2015 Frontiers in Molecular Biology, Turin, Italy, July 1-3, 2015.
17. Serena M., Gasparini F., Astone D., Calligaris C., Muddei M., Giorgiotti A., **ZIPETO D.**: "Human Thioesterase 8/HIV-1 Nef interaction: insights from in silico predictions and in vitro assays". 16<sup>th</sup> Annual International Meeting, Institute of Human Virology, Baltimore (USA), September 14-17, 2014.
18. Astone D., Racchiolli P., Ziglio S., **ZIPETO D.**: "Development of chimeric humanized monoclonal antibodies against HIV-1". Europrise Network Annual Conference, Prague (Czech Republic), 14-17 November 2011. P02, pag. 29.
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