



Ilaria Capua

Curriculum Vitae

Date of birth: 21st April, 1966

Nationality: Italian

Gender: Female

Marital Status: Married, 1 child

Languages: Italian, English (fluent), German (basic)

CURRENT POSITIONS

- Preeminent Professor, Director of the One Health Center of Excellence for Research and Training, University of Florida, USA

MOST RECENT PREVIOUS POSITIONS

- Member of the Italian Parliament (15 March 2013- 28 September 2016), in the political party founded by former Prime Minister and EU Commissioner, Mario Monti
- Vice- President of the 7th Parliamentary Commission “Culture, Science and Education”
- Director of the Division of Comparative Biomedical Sciences at the Istituto Zooprofilattico Sperimentale delle Venezie (IZSVE), Legnaro (Padova - Italy).
- Director of the FAO/OIE and National Reference Laboratory for Avian Influenza and Newcastle Disease, OIE and National Collaborating Center for Diseases at the Human - Animal Interface

PROFESSIONAL ASSIGNMENTS

- Board Member, LUISS University, Rome, Italy (2016- 2019)
- International Advisory Council member, Bocconi University, Milan (2017-2020)
- 2013- 2018: Visiting Professor, University of Glasgow, Center for Virus Research
- 2012 - Member of the International Severe Acute Respiratory and Emerging Infection Consortium (ISARIC) - Advisory Board
- 2012-2015: Member of the EFSA Panel on Animal Health and Animal Welfare
- 2011- 2014: Member of the OFFLU working group on Human Animal interface issues of animal influenzas
- 2009: Senior Policy Advisor to the Director, National Center for Zoonotic Vector-borne and Enteric Diseases, CDC Atlanta, USA
- 2009-2011: Member of the Scientific and Technical Advisory Group to the WHO’s Global Influenza

Programme

- 2009-2010: Stream leader (Stream 1: Human animal interface and emergence of novel pandemic viruses) for WHO's Global Research Agenda on Influenza
- 2009-2010: Wellcome Trust Advisory Group on Influenza research
- 2004-2010: Chairman of the Executive Committee of OIE/FAO Network on Animal Influenza (OFFLU)
- 2006-2009: Member of the Advisory Group to the EU Commissioner for Research on the EU 7th Framework Programme in the area "Food, Agriculture and Biotechnology".
- 2007-2010: Member of the Networking Executive Committee of the US Centres of Excellence on Avian Influenza funded by NIH/NIAID
- 2003-2006: Member of the EFSA (European Food Safety Authority) Panel on Animal Health and Animal Welfare.
- 2001-2013: OIE working groups for the revision of the chapters of the OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals and member of "Ad hoc" working groups
- 2001/2004: Nominated OIE/FAO Expert for avian influenza and Newcastle Disease.

MAJOR INTERNATIONAL AWARDS AND HONOURS

- 2014 - Excellence Award in the field of Clinical Microbiology and Infectious Diseases by ESCMID the European Society of Clinical Microbiology and Infectious Diseases (ESCMID)
- 2013 - "Guido Lenghi e Flaviano Magrassi" International award by the Italian Academy of Sciences (Accademia dei Lincei)
- 2013 – Inducted into the Hall of Fame of the World Veterinary Poultry Association
- 2012 - Gordon Memorial Medal (UK) for her distinguished contributions to poultry science
- 2011 - Penn Vet World Leadership in Animal Health Award from the University of Pennsylvania (USA), the most prestigious award in veterinary medicine
- 2008 – "Revolutionary Mind" by Seed magazine for his leadership role in sharing information internationally
- 2008 – Charnock Bradeley Lecture, University of Edinburgh
- 2007 - Scientific American 50, awarded annually to the world's top 50 researchers for leadership in science policy
- 2006 - PROMED 2006 "Reporting on the Internet"
- 2005 - Career Achievement Award of "Houghton Trust" (UK)

MAJOR NATIONAL AWARDS

- 2015 - Life Gates Award
- 2014 - Member of the Italian Galilean Academy of Arts and Sciences
- 2012- Order of Merit of the Italian Republic (Grande Ufficiale della Repubblica Italiana)
- 2012 – "Gentile da Fabriano" national award in "Science, Research and Innovation"
- 2012 - "Fabbricatori di Idee", Festival Città Impresa award for "her ability to create new ideas and her contribution to a new phase of scientific development"
- 2009 – "Grande Ippocrate" award for the medical researcher of the year
- 2009 – "Casato Prime Donne" award, a recognition for leading women in society
- 2008 - "G. Bogoni" national award for veterinary medical career

GLOBAL INITIATIVES

- 2006: I ignited an international debate on transparency and sharing of genetic information on panzootic H5N1 strains, across disciplines. My advocacy of increased openness was endorsed by OIE,

FAO and WHO, and resulted in resolutions towards a greater transparency with consequent prospects for improved public and animal health. The sharing of avian influenza virus sequences to allow a better understanding of animal and human influenza infections has now become a core part of the global influenza preparedness strategy.

This initiative was reported by the international non-scientific press (The Wall Street Journal, The New York Times, Washington Post) and obtained significant coverage and support by Science and Nature magazines.

- 2004- 2009: Chairman of the Executive Committee of OFFLU Network, and OIE/FAO network in support of countries affected by the Avian influenza virus. The network promotes the exchange and analysis of virus strains responsible for the H5N1 outbreak and represents a link between the veterinary community and the WHO

EDUCATION

- PhD: University of Padova, Italy 2007. "Public Health, Veterinary Hygiene and Hygiene of Animal production - Avian Influenza: review on epidemiology and aspects of pathogenesis and control"
- PhD: University of Pisa, Italy 1991. "Animal health and hygiene of animal breeding and production"
- DVM: University of Perugia, Italy 1989, Graduation with honours (110/110 cum laude)

TRAINING

- VLA Weybridge, UK selected periods 1992, 1993, 1994. Training on avian and mammalian virology and collaborative studies
- Moredun Research Institute, Edinburgh, UK, 1995 Training on Malignant Catarrhal Fever diagnosis
- IAH, Pirbright UK, 1995. Training on viral exotic diseases of ruminants and equids
- Special Pathogens Unit, National Institute for Virology, Johannesburg, RSA 1996. Training on haemorrhagic fever diagnosis

WORK HISTORY

17 June 2016 – Present: Director of One Health Center of Excellence for Research and Training University of Florida

15 March 2013- 28 September 2016: Member of the Italian Parliament, (Camera dei Deputati); Vice-president of the 7th Parliamentary Commission "Culture, Science and Education"

Previous position description: Director of the OIE/FAO and National Reference Laboratory for Avian Influenza and Newcastle Disease, the OIE Collaborating Centre for Diseases at the Human- Animal Interface and the Division of Comparative Biomedical Sciences (2010-2013), formerly of the Research and Development Department at the Istituto Zooprofilattico Sperimentale delle Venezie (IZSVe), Legnaro (Padova), Italy.

In this position, my group has grown from <10 to 70 individuals in 10 years under my supervision, and is now a leading international group in the field of influenza virology and on emerging viral diseases. It includes both Italian and foreign scientists and hosts annually 5-10 scientists coming from abroad for training or joint research activities. The group has significant collaborations with international organizations and NGO's for empowerment of diagnostic facilities in developing countries. I annually managed a research budget of 2-3 million euros, which fund over 30 temporary employees, consumables and equipment.

1997-1998

Head of the Virology Department and Research Centre for Exotic Diseases, Istituto Zooprofilattico Sperimentale dell' Abruzzo e del Molise di Teramo, Italy

1994 – 1997

Head of the Virology Department and Head of Anatomy-Histopathology Department, Istituto Zooprofilattico Sperimentale dell' Abruzzo e del Molise di Teramo, Italy

1991 – 1994

Scientist in the Diagnostic Virology Laboratory, Istituto Zooprofilattico Sperimentale dell' Abruzzo e del Molise, Teramo, Italy

1989-1990

Scientist in the Diagnostic Serology Laboratory of the Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche, Perugia, Italy

MAIN RESEARCH ACTIVITIES

- Coordination of EFSA FLURISK project (2012-2013)
- Management of EU FP7 PREDEMICS (2011-2016) project as partner
- Management of EU FP6 funded projects FLUAID and FLUTRAIN (as coordinator)
- Participation (as partner) in EU funded projects and Network of Excellence: FLUPATH, FLU-LAB-NET, FLURESIST; FLUBIRD, EPIZONE; RabMedControl; EPIZONE
- International collaborations on the molecular evolution of influenza viruses, development and evaluation of novel intervention strategies for rabies (post-exposure prophylaxis) and influenza (vaccination)
- Development of pan reactive vaccines against influenza infections (national grants)
- Investigation on the occurrence and significance of selected mutations in the HA and PB2 genes of influenza viruses
- Investigations on the metabolic consequences of influenza infection, with particular reference to glucose metabolism and pancreatic function

Since 1993 I have coordinated/participated in over 50 research projects.

INTERNATIONAL TRAINING AND TEACHING EXPERIENCE

ACADEMIC APPOINTMENTS:

Since 2002 - Guest lecturing at the University of Florida, University of Pennsylvania, University of Maryland, University of North Carolina, Royal Swedish Academy, Utrecht University, University of Ghent, University of Vienna, University of Tokyo, University of Georgia, Swedish Veterinary Institute, National Veterinary Institute of Pulawi, Poland.

1998-1999/2000-2002

Contract Lecturer in Avian Pathology at the University of Padua, Faculty of Veterinary Medicine

1995-1997

Lectures on viral diseases in the framework of the course “Infectious Diseases of Domestic Animals” at the University of Teramo, Faculty of Veterinary Medicine

ORGANIZATION OF INTERNATIONAL CONFERENCES:

- 3 February 2011. Organizer of “An Update on Human Health Implications of Animal Influenza Viruses”. Legnaro (Padova) - Italy
- 31 January – 3 February 2011. Co-Organizer with CDC Atlanta of the “One Flu” Strategic Retreat. Castelbrando (Treviso) – Italy
- 27-29 April 2010. Organizer of the “Second FAO-OIE-WHO Joint Scientific Consultation: Influenza and Other Emerging Infectious Diseases at the Human Animal Interface”. Verona - Italy
- 9 March 2010. Co organizer with EC of the “EU Research on Influenza: New Results, New Challenges”. Legnaro (Padova) - Italy
- 7-9 October 2008. Organizer of the “First OIE/FAO/WHO technical consultation on avian influenza at the human-animal interface”. Palazzo Verità Poeta, Verona - Italy
- 20 – 22 March 2007. Organizer of the “Vaccination: a tool for the control of avian influenza OIE/FAO/IZSve Conference”. Palazzo della Gran Guardia, Verona - Italy
- 3-6 April 2006. Organizer of the “6th International Symposium on Avian Influenza”. St John’s College, Cambridge - UK
- 7 October 2005. Organizer of the “Joint OIE/WHO/FAO meeting on the H5N1 crisis”. Venice - Italy
- 8-10 November 2004. Organizer of the “OIE meeting Ad hoc group on AI for the updating of the Code Chapter on AI”. Legnaro (Padova) - Italy
- 20-21 June 2002. Organizer of the “8th Joint annual meeting of the Newcastle disease and Avian Influenza Reference Laboratories of countries of the EU”. Legnaro (Padova) - Italy
- 14-17 April 2002. Member of the organizing committee of the “5th International Symposium on Avian Influenza” Athens, Georgia - USA
- 15-16 November 2001. Organizer of the “Meeting of Member States’ national experts for avian influenza on the development and application of an N1-N3 discriminatory test in the framework of the control of avian influenza through vaccination with a heterologous vaccine”. Legnaro (Padova) - Italy

GUEST LECTURING:

I have been invited to attend over 100 international conferences as a guest lecturer/keynote speaker.

RECENT KEYNOTE LECTURES (SCIENTIFIC AND ON FEMALE LEADERSHIP)

- February 2016: Emerging Pathogens Institute Research Day “Fifteen years with the flu: harnessing research potential from emerging viruses - ”
- September 2015: Opening Lecture at the European Center for Disease Control (ECDC) “Preparing and responding to influenza and other cross-border threats and what is expected from ECDC in the next ten years”
- July 2015: lecture on “Leadership in Science”, University of Turin
- July 2015: EXPO Milan “The future of the global food system

- June 2015: TEDX Pompei “ Girls in STEM 2.0”
- June 2015: EXPO Milan “Food safety and risk. How to restore consumers’ trust?”
- MAY 2015: EUROPEAN SOCIETY FOR PEDIATRIC INFECTIOUS DISEASES “FROM SCIENCE TO POLITICS”
- May 2015: Milan, TedxWomen “Unlock the future”
- February 2015: College Station (USA), ““Nothing is permanent except change: challenging dogmas in your professional and personal life” – Leadership Seminar
- February 2015: College Station (USA), College of Veterinary Medicine “Zoonotic viruses and globalisation - bridging science to politics”
- February 2015: Philadelphia (USA), University of Pennsylvania, “Zoonotic viruses and globalisation - bridging science to politics”
- February 2015: Washington DC (USA), Italian Embassy “Nutrition and global health” – Supported by the Aspen Institute
- December 2014: Rome, “Data sharing in the face of emerging epidemics, bridging science to politics” ResearchData Alliance, Global Data and Computing -Infrastructure challenges
- November 2014: Milan, Bocconi University – Seminar on leadership in science and policy
- November 2014: Stockholm, 8TH European Scientific Conference on Applied Infectious Disease Epidemiology (ESCAIDE) 2014 – “Globalisation and pathogens” Key note speaker
- October 2014: Cagliari (Sardinia), International Conference “Innovative approaches for the identification of novel antiviral agents”, Lecture on Ebola
- October 2014: WIRED “Hack the EXPO”, Member of the Jury to select the most innovative projects
- September 2014: Riga (Latvia), 5th European Scientific Working group on Influenza (ESWI) Conference “Close encounters of the third kind: scientists in politics”
- November 2013: Milan, The power of New Culture, Guest speaker
- November 2013: Venice *Lectio Magistralis* delivered to the Graduate Students of Ca’ foscari University, St. Mark’s Square
- September 2013: Milan, Women in Business and Society – How to overcome the boundaries in Science, organised by Deutsche Bank
- June 2013: Venice, Ca’ Foscari University, *Lectio Magistralis* to PhD students “To act beyond the schemes: a moral duty”

OTHER

I have participated in several (@25) TV shows and in many (@40) radio shows broadcast in Italy and abroad as scientist/opinion leader in science. I am often interviewed by the national and international press on topics pertaining to my area of expertise. I have been included as one of the ten Italian innovators by Sole24Ore, the main Italian financial newspaper (2009), and as one of the Italian talents featured in the Economist “The World in 2013”. I have been the subject of a documentary entitled “Revolutionary Mind” in 2011 and of a National Geographic documentary on Avian Flu in 2002. I have been the Italian video testimonial of the EU Commission campaign “Science it’s a girl thing” in 2012.

Press coverage and video-clips can be found at www.ilariacapua.eu

PUBLICATIONS

Since 1993 I have authored or co-authored over 300 publications, mainly on viral diseases of animals and those of zoonotic importance. These include peer review articles published in international journals, conference presentations, editorials and book chapters, and books.

Number of papers cited in Pubmed: 215

H-index : 41

Publications in peer reviewed journals are reported in Annex 1

[Epidemiological Risk Factors for Animal Influenza A Viruses Overcoming Species Barriers.](#)

Harris KA, Freidl GS, Munoz OS, von Dobschuetz S, De Nardi M, Wieland B, Koopmans MPG, Stärk KDC, van Reeth K, Dauphin G, Meijer A, de Bruin E, Capua I, Hill AA, Kosmider R, Banks J, Stevens K, van der Werf S, Enouf V, van der Meulen K, Brown IH, Alexander DJ, Breed AC; FLURISK Consortium.

Ecohealth. 2017 Jun;14(2):342-360. doi: 10.1007/s10393-017-1244-y. Epub 2017 May 18. Review.

PMID: 28523412 [PubMed - in process]

[Similar articles](#)

2. [Avian influenza A in poultry stalls of Lahore District, Pakistan in 2009-2010.](#)

Chaudhry M, Rashid HB, Angot A, Thrusfield M, Welburn SC, deC Bronsvooort BM, Capua I, Cattoli G, Eisler MC.

J Infect. 2017 Jun;74(6):609-611. doi: 10.1016/j.jinf.2017.03.008. Epub 2017 Mar 23. No abstract available.

PMID: 28344114 [PubMed - in process]

[Similar articles](#)

3. [A genetically engineered H5 protein expressed in insect cells confers protection against different clades of H5N1 highly pathogenic avian influenza viruses in chickens.](#)

Oliveira Cavalcanti M, Vaughn E, Capua I, Cattoli G, Terregino C, Harder T, Grund C, Vega C, Robles F, Franco J, Darji A, Arafa AS, Mundt E.

Avian Pathol. 2017 Apr;46(2):224-233. doi: 10.1080/03079457.2016.1250866. Epub 2017 Jan 27.

PMID: 27807985 [PubMed - indexed for MEDLINE]

[Similar articles](#)

6. [An engineered avian-origin influenza A virus for pancreatic ductal adenocarcinoma virotherapy.](#)

Pizzuto MS, Silic-Benussi M, Ciminale V, Elderfield RA, Capua I, Barclay WS.

J Gen Virol. 2016 Sep;97(9):2166-79. doi: 10.1099/jgv.0.000549. Epub 2016 Jul 14.

PMID: 27417501 [PubMed - indexed for MEDLINE]

[Similar articles](#)

7. [Data sharing: A code of conduct for data on epidemics.](#)

Capua I.

Nature. 2016 Jun 16;534(7607):326. doi: 10.1038/534326c. No abstract available.

PMID: 27306180 [PubMed - indexed for MEDLINE]

[Similar articles](#)

8. [Development of broad-spectrum human monoclonal antibodies for rabies post-exposure prophylaxis.](#)

De Benedictis P, Minola A, Rota Nodari E, Aiello R, Zecchin B, Salomoni A, Foglierini M,

Agatic G, Vanzetta F, Lavenir R, Lepelletier A, Bentley E, Weiss R, Cattoli G, Capua I, Sallusto F, Wright E, Lanzavecchia A, Bourhy H, Corti D.

EMBO Mol Med. 2016 Apr 1;8(4):407-21. doi: 10.15252/emmm.201505986.

PMID: 26992832 [PubMed - in process] **Free PMC Article**

[Similar articles](#)

9. [Protection conferred by live infectious bronchitis vaccine viruses against variant Middle East IS/885/00-like and IS/1494/06-like isolates in commercial broiler chicks.](#)

Awad F, Forrester A, Baylis M, Lemiere S, Ganapathy K, Hussien HA, Capua I.

Vet Rec Open. 2015 Sep 9;2(2):e000111. doi: 10.1136/vetreco-2014-000111. eCollection 2015.

PMID: 26392909 [PubMed] **Free PMC Article**

[Similar articles](#)

10. [Histopathological and immunohistochemical study of exocrine and endocrine pancreatic lesions in avian influenza A experimentally infected turkeys showing evidence of pancreatic regeneration.](#)

Cavicchioli L, Zappulli V, Beffagna G, Caliarì D, Zanetti R, Nordio L, Mainenti M, Frezza F, Bonfante F, Patrono LV, Capua I, Terregino C.

Avian Pathol. 2015;44(6):498-508. doi: 10.1080/03079457.2015.1087640.

PMID: 26365055 [PubMed - indexed for MEDLINE]

[Similar articles](#)

11. [Why should influenza be a public health priority?](#)

Osterhaus A, Abdullah Brooks W, Broberg E, Raina MacIntyre C, Capua I.

Vaccine. 2015 Dec 8;33(49):7022-5. doi: 10.1016/j.vaccine.2015.08.049. Epub 2015 Aug 28.

PMID: 26319062 [PubMed - indexed for MEDLINE]

[Similar articles](#)

12. [Contrasting response to nutrient manipulation in Arctic mesocosms are reproduced by a minimum microbial food web model.](#)

Larsen A, Egge JK, Nejtgaard JC, Di Capua I, Thyraug R, Bratbak G, Thingstad TF.

Limnol Oceanogr. 2015 Mar;60(2):360-374. Epub 2015 Jan 27.

PMID: 26074626 [PubMed] **Free PMC Article**

[Similar articles](#)

13. [Erratum to: Genetic Adaptation of Influenza A Viruses in Domestic Animals and Their Potential Role in Interspecies Transmission: A Literature Review.](#)

Munoz O, De Nardi M, van der Meulen K, van Reeth K, Koopmans M, Harris K, von Dobschuetz S, Freidl G, Meijer A, Breed AC, Hill A, Kosmider R, Banks J, Stärk KD, Wieland B, Stevens K, van der Werf S, Enouf V, Dauphin G, Dundon W, Cattoli G, Capua I; FLURISK Consortium.

Ecohealth. 2016 Mar;13(1):199. doi: 10.1007/s10393-015-1031-6. No abstract available.

PMID: 25963341 [PubMed]

[Similar articles](#)

14. [Reassortant Avian Influenza A\(H9N2\) viruses in chickens in retail poultry shops, Pakistan, 2009-2010.](#)

Chaudhry M, Angot A, Rashid HB, Cattoli G, Hussain M, Trovò G, Drago A, Valastro V, Thrusfield M, Welburn S, Eisler MC, Capua I.

Emerg Infect Dis. 2015 Apr;21(4):673-6. doi: 10.3201/eid2104.141570.

PMID: 25811830 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)

15. [Genetic Adaptation of Influenza A Viruses in Domestic Animals and Their Potential Role in](#)

[Interspecies Transmission: A Literature Review.](#)

Munoz O, De Nardi M, van der Meulen K, van Reeth K, Koopmans M, Harris K, von Dobschuetz S, Freidl G, Meijer A, Breed A, Hill A, Kosmider R, Banks J, Stärk KD, Wieland B, Stevens K, van der Werf S, Enouf V, Dauphin G, Dundon W, Cattoli G, Capua I; FLURISK Consortium.

Ecohealth. 2016 Mar;13(1):171-98. doi: 10.1007/s10393-014-1004-1. Epub 2015 Jan 29.

Review. Erratum in: [Ecohealth. 2016 Mar;13\(1\):199.](#)

PMID: 25630935 [PubMed - indexed for MEDLINE]

[Similar articles](#)

16. [Phylogenetically distinct equine influenza viruses show different tropism for the swine respiratory tract.](#)

Patrono LV, Bonfante F, Zanardello C, Terregino C, Capua I, Murcia PR.

J Gen Virol. 2015 May;96(Pt 5):969-74. doi: 10.1099/vir.0.000049. Epub 2015 Jan 15.

PMID: 25593159 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)

17. [Oncolytic activity of avian influenza virus in human pancreatic ductal adenocarcinoma cell lines.](#)

Kasloff SB, Pizzuto MS, Silic-Benussi M, Pavone S, Ciminale V, Capua I.

J Virol. 2014 Aug;88(16):9321-34. doi: 10.1128/JVI.00929-14. Epub 2014 Jun 4.

PMID: 24899201 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)

18. [Influenza at the animal-human interface: a review of the literature for virological evidence of human infection with swine or avian influenza viruses other than A\(H5N1\).](#)

Freidl GS, Meijer A, de Bruin E, de Nardi M, Munoz O, Capua I, Breed AC, Harris K, Hill A, Kosmider R, Banks J, von Dobschuetz S, Stark K, Wieland B, Stevens K, van der Werf S, Enouf V, van der Meulen K, Van Reeth K, Dauphin G, Koopmans M; FLURISK Consortium.

Euro Surveill. 2014 May 8;19(18). pii: 20793. Review.

PMID: 24832117 [PubMed - indexed for MEDLINE] **Free Article**

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19. [Airborne transmission of highly pathogenic H7N1 influenza virus in ferrets.](#)

Sutton TC, Finch C, Shao H, Angel M, Chen H, Capua I, Cattoli G, Monne I, Perez DR.

J Virol. 2014 Jun;88(12):6623-35. doi: 10.1128/JVI.02765-13. Epub 2014 Apr 2.

PMID: 24696487 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)

20. [Antigenic and genetic evolution of low-pathogenicity avian influenza viruses of subtype H7N3 following heterologous vaccination.](#)

Beato MS, Xu Y, Long LP, Capua I, Wan XF.

Clin Vaccine Immunol. 2014 May;21(5):603-12. doi: 10.1128/CVI.00647-13. Epub 2014 Feb 19.

PMID: 24554694 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)

21. [Diagnostic and clinical observation on the infectious bronchitis virus strain Q1 in Italy.](#)

Toffan A, Bonci M, Bano L, Bano L, Valastro V, Vascellari M, Capua I, Terregino C.

Vet Ital. 2013 Oct-Dec;49(4):347-55. doi: 10.12834/VetIt.1303.01.

PMID: 24362775 [PubMed - indexed for MEDLINE] **Free Article**

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22. [Alpha and lineage C betaCoV infections in Italian bats.](#)

De Benedictis P, Marciano S, Scaravelli D, Priori P, Zecchin B, Capua I, Monne I, Cattoli G. *Virus Genes*. 2014 Apr;48(2):366-71. doi: 10.1007/s11262-013-1008-x. Epub 2013 Nov 16. PMID: 24242847 [PubMed - indexed for MEDLINE]

[Similar articles](#)

23. [Molecular characterization of Newcastle disease viruses isolated from rural chicken in northwest Ethiopia reveals the circulation of three distinct genotypes in the country.](#)

Fentie T, Heidari A, Aiello R, Kassa T, Capua I, Cattoli G, Sahle M.

Trop Anim Health Prod. 2014 Feb;46(2):299-304. doi: 10.1007/s11250-013-0487-z. Epub 2013 Oct 22.

PMID: 24146293 [PubMed - indexed for MEDLINE]

[Similar articles](#)

24. [Virus-specific factors associated with zoonotic and pandemic potential.](#)

Romero-Tejeda A, Capua I.

Influenza Other Respir Viruses. 2013 Sep;7 Suppl 2:4-14. doi: 10.1111/irv.12075. Review.

PMID: 24034478 [PubMed - indexed for MEDLINE] **Free Article**

[Similar articles](#)

25. [Cross-clade protection against H5N1 HPAI strains recently isolated from commercial poultry in Egypt with a single dose of a baculovirus based vaccine.](#)

Beato MS, Realpe-Quintero M, Bonfante F, Mancin M, Ormelli S, Terregino C, Gonzalez-Hernandez C, Capua I.

Vaccine. 2013 Oct 17;31(44):5075-81. doi: 10.1016/j.vaccine.2013.08.073. Epub 2013 Sep 7.

PMID: 24016808 [PubMed - indexed for MEDLINE]

[Similar articles](#)

26. [Swine influenza in sub-saharan Africa--current knowledge and emerging insights.](#)

Meseko C, Olaleye D, Capua I, Cattoli G.

Zoonoses Public Health. 2014 Jun;61(4):229-37. doi: 10.1111/zph.12068. Epub 2013 Jul 5. Review.

PMID: 23826898 [PubMed - indexed for MEDLINE]

[Similar articles](#)

27. [Antigenic and genetic analyses of isolate APMV/wigeon/Italy/3920-1/2005 indicate that it represents a new avian paramyxovirus \(APMV-12\).](#)

Terregino C, Aldous EW, Heidari A, Fuller CM, De Nardi R, Manvell RJ, Beato MS, Shell WM, Monne I, Brown IH, Alexander DJ, Capua I.

Arch Virol. 2013 Nov;158(11):2233-43. doi: 10.1007/s00705-013-1735-2. Epub 2013 May 25.

PMID: 23708253 [PubMed - indexed for MEDLINE]

[Similar articles](#)

28. [Comparative pathogenicity study of ten different betanodavirus strains in experimentally infected European sea bass, *Dicentrarchus labrax* \(L.\).](#)

Vendramin N, Toffan A, Mancin M, Cappellozza E, Panzarin V, Bovo G, Cattoli G, Capua I, Terregino C.

J Fish Dis. 2014 Apr;37(4):371-83. doi: 10.1111/jfd.12117. Epub 2013 May 12.

PMID: 23662921 [PubMed - indexed for MEDLINE]

[Similar articles](#)

29. [Joining the dots on the emergence of pandemic influenza.](#)

Capua I.

J Clin Virol. 2013 Oct;58(2):342-3. doi: 10.1016/j.jcv.2013.04.001. Epub 2013 Apr 30. Review.

PMID: 23643193 [PubMed - indexed for MEDLINE]

[Similar articles](#)

30. [Prevention and control of highly pathogenic avian influenza with particular reference to H5N1.](#)
Capua I, Cattoli G.
Virus Res. 2013 Dec 5;178(1):114-20. doi: 10.1016/j.virusres.2013.04.002. Epub 2013 Apr 21.
Review.
PMID: 23611921 [PubMed - indexed for MEDLINE]
[Similar articles](#)
31. [Differences in the detection of highly pathogenic avian influenza H5N1 virus in feather samples from 4-week-old and 24-week-old infected Pekin ducks \(Anas platyrhynchos var. domestica\).](#)
Aiello R, Beato MS, Mancin M, Rigoni M, Tejada AR, Maniero S, Capua I, Terregino C.
Vet Microbiol. 2013 Aug 30;165(3-4):443-7. doi: 10.1016/j.vetmic.2013.03.019. Epub 2013 Apr 4.
PMID: 23608476 [PubMed - indexed for MEDLINE]
[Similar articles](#)
32. [The introduction of fox rabies into Italy \(2008-2011\) was due to two viral genetic groups with distinct phylogeographic patterns.](#)
Fusaro A, Monne I, Salomoni A, Angot A, Trolese M, Ferrè N, Mutinelli F, Holmes EC, Capua I, Lemey P, Cattoli G, De Benedictis P.
Infect Genet Evol. 2013 Jul;17:202-9. doi: 10.1016/j.meegid.2013.03.051. Epub 2013 Apr 19.
PMID: 23603764 [PubMed - indexed for MEDLINE]
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