

Curriculum vitae

Marion Koopmans

Born September 21, 1956



Education

- 1974: Gymnasium B, Collegium Marianum, Venlo, The Netherlands
- 1976: Graduated cum laude, Candidate's degree in Veterinary Medicine, Utrecht State University
- 1979: Graduated with honors, Doctoral degree in Veterinary Medicine, Utrecht State University
- 1983: Graduated with honors, Doctor of Veterinary Medicine, Utrecht State University
- 1990: Ph.D., Department of Infectious Diseases and Immunology, Virology Division, Veterinary Faculty, Utrecht State University. Dissertation title: "Diagnosis and epidemiology of torovirus infections in cattle"
- 1997: Registration as veterinary microbiologists, KNMvD
- 1981: Training in Tropical Veterinary Medicine in Gujarat, India.
- 1988: Training course "Introduction to modern epidemiology", Veterinary Faculty, Utrecht University
- 1991: Training course: "Molecular biological techniques", CDC, Atlanta, USA
- 1992: Training course: "Advanced Immunology", CDC, Atlanta, USA
- 1994: Training course: "Project Management", RIVM, Bilthoven
- 1995-1996: Training course: "Research Management", MOC, Bunnik
- 1997: Training course: "Molecular phylogeny", University of Antwerp.
- 2000: Training course: "Handling risks in food industry. Part II.
- 2003-2004: Development of management skills, Van de Boomen Management Coaching.
- 2005: Course "Advanced infectious Diseases epidemiology and mathematical modeling". Imperial College, London, UK.
- 2008: Coaching: changing culture in organisations. Pragmavision
- 2010: Leadership training, Erasmus MC
- 2011: Leadership training, Ministry of Health

Professional experience, recent

December 2013 – current Head department of Viroscience Erasmus MC

I was recruited to this position to head the Viroscience department of the Erasmus MC. The Viroscience department is currently internationally recognized for its standard and state-of-the-art experience.

September 2009- current National microbiology focal point for the ECDC

The contact point for ECDC is a senior microbiologist with excellent knowledge of the organization of microbiology and its applications in the public health arena in the country. This involves knowledge of the structure, roles and responsibilities of the different types of laboratories, of the education, and of the hurdles and possible solutions to support coordinated preparedness for and response to infectious diseases.

April 2006- current Member of the management team of the centre for infectious disease control

My role is to advise the director of CIb and the head of LIS on strategic decisions involving the public health laboratory functions, developments in infectious diseases, interaction with relevant stakeholders inside and outside the institute, and representation of the laboratory in scientific audits and international visits.

April 2006- December 2013 Professor of Public health Virology, Erasmus MC, Rotterdam

This chair was specifically created to provide an academic backing to the translational research program that has been developed in the past decade, aiming at strengthening the evidence basis in the core mission of CIb

September 2004-December 2013 Deputy Laboratory Director, Laboratory for Infectious Diseases

Recruitment to the management team by the director of LIS, to provide guidance on strategic discussions (the director does not have a microbiology background).

Jan 2002- December 2013 Chief of Virology, Diagnostic Lab for Infectious Diseases, (RIVM)

I was recruited to this position to reorganize the virology department, which had lost contact with state-of-the-art developments in the field. The virology department currently is internationally recognized for its standard, and particularly the translational work involving infectious disease control. This involved discussions and decisions on refocusing, career decisions for staff, transition into a more pro-active culture, transition to more applied focus

Professional experience, background

March 1994-Dec 2001	Senior scientist in charge of enteric virus programme at the National Institute of Public Health, The Netherlands
May and October 1996:	WHO temporary advisor for workshops on rotavirus in London, UK, and Geneva, Switzerland.
June 1992- Dec 1994	Visiting scientist at the Viral Exanthems and Herpesvirus Branch, Centers for Disease control, Atlanta, GA, USA
Dec 1992-May 1993	Consultant on HCMV detection methods for Photonic Sensor Syst, Inc, Atlanta, GA.
Jan 1991-May 1992	Visiting fellow at the Viral Gastroenteritis Unit, Centers for Disease Control, Atlanta, Georgia, USA
1990:	Associate Investigator, Department of Infectious Diseases and Immunology, Veterinary Faculty, Utrecht State University
1983-1989:	Faculty member of the Department of Large Animal Medicine, Veterinary Faculty, Utrecht State University Ph.D. research at the Department of Infectious Diseases and Immunology, Virology Division, Veterinary Faculty, Utrecht State University
1983:	Locum tenens at several small and large animal practices
1978:	Veterinary assistant, National Dairy Development Board, Anand, Gujarat, India

Other activities

- Member of the Advisory Council European Society for Virology (February 2010 – present)
- Member of the ESF Pool of Reviewers 1-5-2010 until 30-4-2011
- Member of the Scientific Committee of ESCAIDE until 1-1-2011
- Member of the Committee ‘Livestock Industry: Risk Assessment Neighbours’ of the Health Council of the Netherlands 2011 until 26-6-2013
- Member of the Board of the Dutch Society for Medical Microbiology since November 2012
- Member of the Committee ‘Vaccination during the Pandemic Influenza’ of the Health Council of the Netherlands from 2008 - February 2012
- Member of the International Health Regulations (2005) (IHR (2005)) Roster of Experts as an expert in Human-animal interface (Zoonoses).
- Member of the Alberta Provincial Pediatric Enteric Infection Team International Scientific Advisory Committee 2014 -
- Member of the WHO IHR Emergency Committee on MERS-Cov 2014 –
- Member WHO Response team ZIKV 2015-
- Member WHO Scientific Advisory Group for the Blueprint on Research and Development Preparedness 2015 -
- Member of the Committee “Hepatitis Screening” of the Dutch Health Council of the Netherlands 2015 -
- Member of the Committee “Antivirals” of the Dutch Health Council of the Netherlands 2015 -
- Member of the Committee “Public Health” of the Dutch Health Council of the Netherlands 2015 -
- Member of the EU Global Research Collaboration for Infectious Disease Preparedness (GLOPID-R) Scientific Advisory Board 2015 –
- Member of the Outbreak Management Team Ebola 2015
- Scientific advisor to WHO Food Safety office
- Science Consultant for Center for Disease Control and Prevention of Guangdong Province for a period of three years since November 2008
- Scientific advisor Centre for Immunity, Infection and Evolution University of Edinburgh 2015 -
- Director WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research 2014 -
- Director WHO National Influenza Centre 2014 -

Editorships

- Section Editor for The Journal of Clinical Virology
- Associate Editor Virus Evolution Journal
- Associate Editor One Health Journal
- Reviewer for various infectious disease journals

Meetings

- AIT, Health and Environment 2010 Seminar Series, “The interplay between noroviruses and their host”, Wenen, 20 January 2010
- UMCG Symposium “H1N1 Influenza: Hoe was het en hoe verder?”, Groningen 16 February 2010
- UU, Introduction course Infection Biology, Molecular epidemiology of human gastro-enteritis viruses, 29 March 2010.
- 4th European Congress of Virology: Race against the clock: the molecular epidemiology of noroviruses. April 2010, Cernobbio, Italy.
- LMC-FMN 8th Symposium on Food Microbiology: ‘The role of viruses in food-borne human disease’. June 2010, Copenhagen.
- Workshop New Approaches to Horizon Scanning for Emerging and Infectious Viruses in Europe, ‘A view on enteric viruses in food and the environment’ July 2010, London;
- Seminar Medical University Innsbruck, ‘Norovirus: in need of attention!’, October 2010, Innsbruck;
- Fourth International Conference on Caliciviruses, ‘Norovirus molecular epidemiology’, October 2010, Santa Cruz, Chile;
- Annual meeting on laboratory network of emergency response and surveillance of infectious diseases in Pan Pearl River Delta region 2010, ‘Exposure assessment using micro-array based serology’, Guangdong China, December 2010;
- ESCV Wintermeeting 2011, ‘Nosocomial Impact of norovirus infections in hospitals’, London, 14-1-2011;
- IMED 2011, ‘Norovirus Gastroenteritis’, Vienna, 7-2-2011;
- VNNG, Symposium ‘Reizen: gezond heen, (niet) ziek terug’, ‘Infectieziekten houden zich niet aan grenzen’, Leiden, 19 maart 2011;
- Symposium ‘Uitbraken door virussen in voedsel’, ‘Stand van zaken wetenschap en diagnostiek’, ErasmusMc Rotterdam, 7 april 2011;
- Symposium Future Virology, ‘Virale gastroenteritis en infectiepreventie in het ziekenhuis’, UMCN, 29-4-2011;
- IAFP, ‘The role of viruses in foodborne human disease’, Ede, 19-5-2011;
- SWAB symposium, 'Virusinfecties in verpleeghuizen: norovirus en influenza', Utrecht, 30-6-2011,;
- SFAM summer meeting 2011, Foodborne Viruses, Dublin, 5-7-2011;
- Perspectives of a potential global, real time microbiological genomic identification system, International perspectives - laboratory links, Brussels, 1-9-2011;
- International Meeting on “Emerging Vector Borne Viral Diseases”, ‘Public Health initiatives against emerging viral infections’, Padova, 9-9-2011;
- 14th Annual Meeting of the European Society for Clinical Virology, Funchal, 22-9-2011, Keynote lecture "HEV infections: emerging disease in industrialized countries?";
- EurSafety Symposium, Lecture ‘Nosocomial viral infections’, Groningen, 8-12-2011;
- 8th meeting of the NMFP, Stockholm, 27-9-2011, lecture: Advances in molecular pathogen detection for rapid diagnostics and surveillance;
- IOM Meeting Improving Food Safety Through One Health, lecture “Norovirus (viruses as an emerging threat to food safety & public health), Washington. 13-12-2011;
- Global Meeting on Genomic Molecular Epidemiology, Washington, 2-3-2012, lecture: Human Health Data Sharing;
- 8th International Conference on Emerging Infectious Diseases (ICEID 2012), lecture: New Surveillance Networks, Atlanta, 13-3-2012;
- Noro 2012, lecture 'Lessons from integrated molecular and epidemiological surveillance of noroviruses in an international context', Lubeck, 22-3-2012;
- 2-4-2012 Scientific Seminar on Schmallenberg Virus, European Commission, lecture: Schmallenberg Virus, an Animal Virus?, Brussels
- 18-5-2012 Guest Seminar “Norovirus tracking: diversity and evolution from a public health perspective”, Institute of Virology Erlangen
- 28-6-2012 Triple S Syndrom surveillance systems in Europe, lecture “Syndromic detection and validation methods”, Brussels

- 24-9-2012 Expert meeting "Disease Outbreak Detection in the Genomics Era: The Road Less Traveled", presentation 'datasharing for public health action: rules of the game?', Bethesda (MD, USA)
- 28-9-2012 One Health Course, Erasmus Universiteit, lecture: Epidemiological and molecular approaches to identifying causes of food-borne virus outbreaks, Rotterdam
- 19-10-2012 Inaugural IDWeek 2012 meeting, lecture: Recent advances in diagnosis and molecular characterization of noroviruses, San Diego USA
- 24-10-2012 Symposium 'Avian Flu, ten years after', lecture: Be prepared for zoonoses: lessons from an outbreak", Ede
- 14-11-2012 Biologica Symposium, lecture: "What is hiding in the forest? Emerging viral diseases and the human animal interface", Wageningen
- 21-11-2012 8th international conference of the healthcare infection society, lecture: "Molecular epidemiology of Norovirus", Liverpool,
- 16-1-2013 Foodborne Viruses Research Conference, lecture "International networking to signal norovirus activity", London,
- 5-4-2013 All Island State Veterinarians Conference, lecture 'Food and waterborne viruses- hazards in food production', Dublin
- 10-6-2013 Symposium 'Zoonoses and emerging infectious diseases : Anthropology meets biology', lecture 'Foodborne viruses and transformations of food practices', Paris
- 14-9-2013 5th European Congress of Virology, Lyon
- 26-09-2013 DVV meeting 2013, lecture 'the changing epidemiology of noroviruses', Hannover
- 25-10-2013 National Congress of Virology, LNEC (Laboratorio Nacional de Engenharia Civil) Lisbon, lecture 'Norovirus diagnosis, epidemiology and clinical impact'
- 15-11-2013 Symposium "Exotic infections in the Global Health Perspective", Erasmus MC, Rotterdam. Lecture: Local vs global public health perspectives
- 20-11-2013 The 4th Epidemics conference on infectious disease dynamics, Amsterdam. Lecture "The changing epidemiology of noroviruses".
- 28-01-2014 CTID Conference, Grindelwald Austria. Lecture: Foodborne infections
- 08-09-2014 Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) 2014 Washington, DC. Lecture: The coming wave of healthcare Associated Norovirus Infection: Epidemiology and Preventive Strategies.
- 02-11-2014 IMED 2014, Lecture: Laboratory preparedness for Ebola and MERS CoV Vienna Austria
- 17-11-2014 HIS 2014 Lyon France. Lecture: Understanding diversity in relation to detection, healthcare impact, control and prevention
- 21-01-2015 CIIE Winter Symposium, Edinburgh, UK. "A Global Perspective on the Emergence of Infectious Diseases" Lecture: The origin and epidemiology of MERS coronavirus.
- 16-03-2015 IOHC Symposium, Amsterdam. Chair Session MERS
- 20-03-2015 BPRC Seminar Series, Rijswijk
- 16-04-2015 Symposium European Society for Letospiross and other Rodent Borne Haemorrhagic onfections Transmission routes of infections, Amsterdam Lecture: Foodborne infections
- 25-04-2015 ECCMID 2015. Copenhagen, Denmark. Invited speaker: session Added value of syndrome-based molecular diagnosis? Lecture "Emerging Infections".
- 19-06-2015 European Seminars in Virology Re-emerging Viruses, Bologna. Keynote lecture: "MERS zoonotic source and continued human transmission"
- 25-06-2015 Annual conference on enteropathogenic viruses in food organized by the Swiss Society for Food Hygiene (SGLH), Zurich, Switzerland. Opening lecture: significance and epidemiology of enteropathogenic viruses in food.
- 11-09-2015 European Society of Clinical Virology annual meeting Edinburgh United Kingdom. Keynote lecture: "Sources and transmission modes of MERS CoV"
- 22-09-2015 LabEx IBEID Symposium on Emerging Infectious Diseases, Paris France. Lecture: "Finding the animal reservoir of MERS-CoV"
- 26-09-2015 ERS International Congress, Amsterdam The Netherlands. Lecture: "Ebola: challenges for public health – what have we learnt?"
- 12-10-2015 [LinkTads]-workshop, Vienna Switzerland.

- 16-10-2015 Lecture: “EU funded project on Next Generation Sequencing for molecular risk assessment” European Food Safety Authority's second Scientific Conference, Milan Italy.
- 05-11-2015 Lecture: “Challenges in risk assessment for viruses” MRC-University of Glasgow Centre for Virus Research (CVR) External Seminar, Glasgow.
- 14-11-2015 Lecture: “The MERS Example”. Ministry of Health MERS CoV vaccine workshop, Riyadh, Saudi Arabia.
- 23-11-2015 Presentation on Middle East Respiratory Syndrome (MERS) vaccine development. University of Barcelona workshop “Viral outbreaks: Epidemiology and Prevention” , Barcelona, Spain.
- 14-01-2016 International Conference in Emergency Medicine and Public Health, Qatar
Keynote lecture: Infections at the animal/human interface – SARS, MERS, Ebola and others, Emerging Food borne Diseases – shifting the paradigm to prevention at the source
Lecture: “Epidemiology of norovirus in Europe”.
- 25-01-2016 Blue Nile National Institute for communicable diseases, Khartoum, Sudan
Keynote lecture: MERS-CoV risk assessment for Sudan
- 23-02-2016 FSA-EFSA workshop on foodborne viruses, London United Kingdom.
Lecture: Norovirus
- 25-02-2016 NCT CBRNe Europe 2016, Amsterdam, The Netherlands
Lecture: Ebola and Zikavirus
- 03-03-2016 Visiting Professor APPETITE Retreat, Edmonton, Canada
Keynote Address: Norovirus - State of the Art: Research, Epidemiology, Vaccine, Disease Control and Prevention
- 16-03-2016 Noroviruses and beyond, Luebeck, Germany
Keynote lecture: Norovirus diversity and clinical impact, state of the art and knowledge gaps.

Professional organizations

- American Society for Virology
- European Society for Clinical Virology
- Network for Women in Natural Sciences
- Dutch Association for Medical Microbiology
- Network of Women Professors

Patents and awards

HHS invention award, 1993. J.G. Dobbins, M.P. Koopmans, J.A. Stewart, and P.E. Pellett. Diagnostic diaper for identifying congenital infection with CMV and other pathogens. 1993.

S.S. Monroe, R.I. Glass, M.P.G. Koopmans and B. Jiang. Nucleic acids encoding human astrovirus serotype 2 and uses thereof. 1997.

RIVM, Department for Infectious Diseases: Topscientist award per 1-5-1998.

Wollinsky award for the best publication in Clinical Infectious Diseases, 2002.

W.R.O. Goslingprijs, Nederlandse Vereniging voor Infectieziekten, 2004.

Grants

Dutch Gov : Ebola Mobile Labs : 2015 : Principal Investigator : Marion Koopmans

ZonMW : Eco-Alert : 2014-2018 : Principal Investigator : Marion Koopmans

EU H2020: EVAg (653316). 2015-2019. Coordinator : Jean-Louis Rommette

EU IMI : ZAPI (115760). 2015-2019.

EU H2020 : VIROGENESIS (643650) : 2015-2018. Coordinator : Annemie Vandamme

EU IMI : FLUCOP (115672) : 2014-2019

EU DG SANTE: EMERGE (677066). 2015-2017. Coordinator : Roland Grunow

EU H2020 : COMPARE (643476). 2015-2019 : Coordinator : Frank Aarestrup (vice-Coordinator : Marion Koopmans)

EU FP7 : PREPARE (602525). 2014-2019 : Coordinator : Herman Goossens

RIVM: Emerging Infections. 2014-2016: Principal Investigator: Marion Koopmans

ZonMW TOP: NGS Emerging Viruses. 2014-2018. Principal Investigator: Marion Koopmans

HPA: Eurorotamet. 2012-2013. Principal Investigator: Miren Iturizza

ECDC: ENIVD. 2012-2013.

WHO: FERG. 2012-2013. Principal Investigator: Arie Havelaar.

I&V: Global Genomic Epidemiology Platform. 2013-2017

EU FP7 : ANTIGONE (278976): 2011-2016: Coordinator: Thijs Kuiken

SOR grant for 'EXITING' (noro immuniteit), 2011

EFSA grant for FLURISK, 2011

BMA grant for 'Antigen Micro Array Analysis', 2011

Life Sciences and Health FES 2009 grant for project 'VIRGO', 2011-2016.

Castellum grant for project 'Zoonotic avian influenza', 2011.

Gates grant for project 'Child-friendly hand-held immunoarrays for polio surveillance', 2011.

ZonMw grant for project 'Research network Swine-origin influenza A/H1 N1 Mexico', 2010

Publications since 2010 (peer reviewed)

1. Gabor Reuter, Janet Zimsek-Mijovski, Mateja Pojsak-Prijatelj, Ilaria Di Bartolo, Franco Maria Ruggeri, Tuija Kantala, Leena Maunula, Istvan Kiss, Sandor Keckskemeti, Nabil Halaihel, Javier Buesa, Christina Jonsen,

- Charlotte K. Hjulsager, Lars E Larsen, Marion Koopmans, Blenda Bottiger. Incidence and molecular epidemiology of sapoviruses in swine across Europe. *J. Clin. Microbiol.* Feb 2010, p. 363-368.
2. Koopmans MP, Meijer A, van der Lubben MI, Boucher C, Fouchier RA, Osterhaus AD, Timen A, de Jong MD, van Steenbergen JE. Combating the new influenza A (H1N1) virus. I. Overview of the virological aspects. *Ned Tijdschr Geneeskd.* 2009;153:A770. Review. Dutch
 3. E. van der Vries, M. Jonges, S. Herfst, J. Maaskant, A. Van der Linden, J. Guldemeester, G.I. Aron, T.M. Bestebroer, M. Koopmans, A. Meijer, R.A.M. Fouchier, A.D.M.E. Osterhaus, C.A. Boucher, M. Schutten. Evaluation of a rapid molecular algorithm for detection of pandemic influenza A (H1N1) 2009 virus and screening for a key oseltamivir resistance (H275Y). *Journal of Clinical Virology* 47 (2010) 34-37.
 4. Marcel Jonges, Wai Ming Liu, Erhard van der Vries, Ronald Jacobi, Inge Pronk, Claire Boog, Marion Koopmans, Adam Meijer, Ernst Soethout. Influenza virus inactivation for studies of antigenicity and phenotypic neuraminidase inhibitor resistance profiling. *J. Clin. Microbiol.*, Mar. 2010, p. 928-940, vol 48, no. 3.
 5. Diane G. Newell, Marion Koopmans, Linda Verhoef, Erwin Duizer, Awa Aidara-Kane, Hein Sprong, Marieke Opsteegh, Merel Langelaar, John Threlfall, Fleming Scheutz, Joke van der Giessen, Hilde Kruse. Food-borne diseases – The challenges of 20 years ago still persist while new ones continue to emerge. *International journal of Food Microbiology*, 30 May 2010, Volume 39, Supplement 1, pages S3 – S15.
 6. Sander Herfst, Salin Chutinimitkul, Jianqiang Ye, Eefje Schrauwen, Theo Bestebroer, Vincent Munster, Emmie de Wit, Marcel Jonges, Adam Meijer, Marion Koopmans, Guus Rimmelzwaan, Albert Osterhaus, Daniel Perez, Ron Fouchier. Introduction of virulence markers in PB2 of pandemic swine-origin influenza virus does not result in enhanced virulence or transmission. *Journal of Virology*, Apr. 2010, p. 3752-3758.
 7. Michiel van Boven, Tjibbe Donker, Mariken van der Lubben, Rianne van Gageldonk-Lafeber, Dennis te Beest, Marion Koopmans, Adam Meijer, Aura Timen, Corien Swaan, Anton Dalhuijsen, Anneke van den Hoek, Susan Hahné, Peter Teunis, Marianne A.B. van der Sande, Jacco Wallinga. Transmission of novel influenza A(H1N1) in households with post-exposure antiviral prophylaxis. *PLoS ONE*, July 2010, Volume 5, Issue 7, e11442.
 8. Cees C. van den Wijngaard, Liselotte van Asten, Wilfrid van Pelt, Gerda Doornbos, Nico J.D. Nagelkerke, Gé A. Donker, Wim van der Hoek, Marion P.G. Koopmans. Syndromic Surveillance for Local Outbreaks of Lower-Respiratory Infections: Would it Work? *PLoS ONE*, April 2010, Volume 5, Issue 4, e10406.
 9. Sanela Svraka, Harry Vennema, Bas van der Veer, Kjell-Olof Hedlund, Margareta Thorhagen, Joukje Siebenga, Erwin Duizer and Marion Koopmans. Epidemiology and Genotype Analysis of Emerging Sapovirus-Associated Infections across Europe. *Journal of Clinical Microbiology*, June 2010, p. 2191 – 2198, vol. 48, no. 6.
 10. Sabine van der Sanden, Harrie van den Avoort, Philippe Lemey, Gökhan Uslu and Marion Koopmans. Evolutionary trajectory of the VP1 gene of human enterovirus 71 genogroup B and C viruses. *Journal of General Virology* (Aug 2010), 91 (pt 8), 1949-1958.
 11. Sanela Svraka, Karyna Rosario, Erwin Duizer, Harrie van der Avoort, Mya Breithart, Marion Koopmans. Metagenomic Sequencing for Virus Identification in a Public Health Setting. *J Gen Virol.* 2010 Nov; 91(Pt 11): 2846-56.
 12. Iturriza-Gomara M, Dallman T, Banyai K, Böttiger B, Buesa J, Diedrich S, Fiore L, Johansen K, Koopmans M, Korsun N, Koukou D, Kroneman A, Laszlo B, Lappalainen M, Maunula L, Marques AM, Matthijnssens J, Midgley S, Mladenova Z, Nawaz S, Poljsak-Prijatelj M, Pothier P, Ruggeri FM, Sanchez-Fauquier A, Steyer A, Sitaraviciute-Ivaskeviciene I, Syriopoulou V, Tran AN, Usonis V, Van Ranst M, De Rougemont A, Gray J. Rotavirus genotypes co-circulating in Europe between 2006 and 2009 as determined by EuroRotaNet, a pan-European collaborative strain surveillance network. *Epidemiol Infect.* 2011 Jun; 139(6):895-909.

13. M. Petrignani, L. Verhoef, R. van Hunen, C. Swaan, J. van Steenberg, I. Boxman, H.J. Ober, H. Vennema, M. Koopmans. A possible foodborne outbreak of hepatitis A in the Netherlands, January-February 2010. *Eurosurveillance*, 2010 Mar 18; 15(11).
14. M. Petrignani, M. Harms, L. Verhoef, R. van Hunen, C. Swaan, J. van Steenberg, I. Boxman, R. Peran I Sala, H.J. Ober, H. Vennema, M. Koopmans, W. van Pelt. Update: A food-borne outbreak of hepatitis A in the Netherlands related to semi-dried tomatoes in oil, January-February 2010. *Eurosurveillance*, 2010 May 20; 15 (20).
15. Mommers M, Thijs C, Stelma F, Penders J, Reimerink J, van Ree R, Koopmans M. Timing of infection and development of wheeze, eczema, and atopic sensitization during the First 2 yr of life: The KOALA Birth Cohort Study. *Pediatr Allergy Immunol*, September 2010; 21 (6): 983-989.
16. Marian E.H. Bos, Dennis E. te Beest, Michiel van Boven, Mirna Robert Du-Ry van Beest Holle, Adam Meijer, Arnold Bosman, Yonne M. Mulder, Marion P.G. Koopmans, and Arjan Stegeman. High probability of avian influenza virus (H7N7) Transmission from Poultry to Humans Active in Disease Control on Infected Farms. *JID* 2010; 201 (1 May), p. 1390-p. 1396.
17. Ingeborg Boxman, Henk Jan Ober, Erwin Duizer en Marion Koopmans. Besmettingsroutes van hepatitis A. *VMT*, 10 September 2010, nr 20, p 27-29.
18. Cees C. van den Wijngaard, Liselotte van Asten, Adam Meijer, Wilfrid van Pelt, Nico J.D. Nagelkerke, Gé A. Donker, Marianne A.B. van der Sande and Marion P.G. Koopmans. Detection of Excess Influenza Severity: associating respiratory hospitalization and mortality data with reports of influenza-like illness by primary care physicians. *American Journal of Public Health*, 2010 Nov; 100(11):2248-54.
19. te Beest DE, van Boven M, Bos ME, Stegeman A, Koopmans MP. Effectiveness of personal protective equipment and oseltamivir prophylaxis during avian influenza A (H7N7) epidemic, the Netherlands 2003. *Emerging Infect Dis.* 2010 Oct; 16(10):1562-8.
20. Chutinimitkul S, Herfst S, Steel J, Lowen AC, Ye J, van Riel D, Schrauwen EJ, Bestebroer TM, Koel B, Burke DF, Sutherland-Cash KH, Whittleston CS, Russel CA, Wales DJ, Smith DJ, Jonges M, Meijer A, Koopmans M, Rimmelzwaan GF, Kuiken T, Osterhaus AD, Garcia-Sastre A, Perez DR, Fouchier RA. Virulence-associated substitution D222G in the hemagglutinin of 2009 pandemic influenza A(H1N1) virus affects receptor binding. *J Virol.* 2010 Nov; 84(22): 11802 – 13.
21. Sukhrie FH, Siebenga JJ, Beersma MF, Koopmans M. Chronic shedders as reservoir for nosocomial transmission of norovirus. *J Clin Microbiol.* 2010 Nov; 48(11): 4303-5.
22. Kajon AE, Lu X, Erdman DD, Louie J, Schnurr D, George KS, Koopmans MP, Allibhai T, Metzgar D. Molecular epidemiology and brief history of emerging adenovirus 14-associated respiratory disease in the United States. *J Infect Dis.* 2010 Jul 1; 202(1): 93-103.
23. Rondy M, Koopmans M, Rotsaert C, Van Loon T, Beljaar B, Van Dijk G, Siebenga J, Svraha S, Rossen JW, Teunis P, Van Pelt W, Verhoef L. Norovirus disease associated with excess mortality and use of statins: a retrospective cohort study of an outbreak following a pilgrimage to Lourdes. *Epidemiol. Infect.* 2011, 139, 453-463.
24. Van den Wijngaard CC, Dijkstra F, Van Pelt W, Van Asten L, Kretzschmar M, Schimmer B, Nagelkerke NJ, Vellema P, Donker GA, Koopmans MP. In search of hidden Q fever outbreaks: linking syndromic hospital clusters to infected goat farms. *Epidemiol Infect.* 2011, 139, 19-26.
25. Siebenga JJ, Lemey P, Kosakovsky P, Rambaut A, Vennema H, Koopmans M. Phylodynamic reconstructions reveals norovirus GII.4 epidemic expansions and their molecular determinants. *PLoS Pathog.* 2010 May 6;6(5):e1000884.

26. Verhoef L, Vennema H, van Pelt W, Lees D, Boshuizen H, Henshilwood K, Koopmans M. Use of norovirus genotype profiles to differentiate origins of foodborne outbreaks. *Emerg Infect Dis.* 2010 Apr; 16(4):617-24.
27. Svraka S, Kuijper E, Duizer E, Bakker D, Koopman M. *Clostridium difficile* is not associated with outbreaks of viral gastroenteritis in the elderly in the Netherlands. *Eur J Clin Microbiol Infect Dis.* 2010 Jun; 29(6):677-82.
28. Reuter G, Zimsek-Mijovski J, Poljsjak-Prijatelj M, Di Bartolo I, Ruggeri FM, Kantala T, Maunula L, Kiss I, Keckseméti S, Halaihel N, Buesa J, Johnsen C, Hjulsager CK, Larsen LE, Koopmans M, Böttiger B. Incidence, diversity, and molecular epidemiology of sapoviruses in swine across Europe. *J Clin Microbiol* 2010 Feb; 48(2): 363-8.
29. Sukhrie FH, Beersma MF, Wong A, van der Veer B, Vennema H, Koopmans M. Using molecular epidemiology to trace transmission events of nosocomial norovirus infection. *J. Clin. Microbiol.* 2011 Feb; 49 (2): 602-6.
30. Verhoef L, Kouyos R, Vennema A, Kroneman A, Siebenga J, Pelt van W and Koopmans M, on behalf of the Food-Borne Viruses in Europe network. An integrated molecular and epidemiological approach to identify international food-borne norovirus outbreaks. *Emerging Infectious Diseases.* Vol 17, No. 3, March 2011: 412-8.
31. Verhoef L, Boot HJ, Koopmans M, Mollema L, van der Klis F, Reimerink J, van Pelt W. Changing risk profile of hepatitis A in the Netherlands: a comparison of seroprevalence in 1995-1996 and 2006-2007. *Epidemiol. Infect.* 2011 Aug;139(8):1172-80.
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