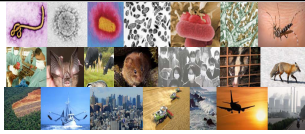


**ANTIGONE ONE HEALTH COURSE 2012**  
 17 September – 21 September 2012 (week 38)



day	form	title	teacher
Sunday 16	Informal meeting	<b>Meet and greet students, lecturers and organization OHC 2012</b>	
Monday 17		<b>Human pandemics, past and present</b>	
		<b>Registration</b>	
	Opening	<b>Opening by Thijs Kuiken</b>	Prof. Thijs Kuiken, Erasmus MC Rotterdam
	Lecture	<b>History of plague</b>	Prof. Samuel Cohn Jr. University of Glasgow, UK
	Lecture	<b>H5N1 influenza and SARS</b>	Prof. Ab Osterhaus Erasmus MC Rotterdam
	coffee break		
	Lecture	<b>0104 E. Coli outbreak</b>	Prof. Roberto LaRagione, AHVLA, UK
	Panel discussion	<b>Panel discussion</b>	
	Lunch	<i>meeting teachers &amp; students</i>	students & chairs, coordinators, lecturers
	Film	<b>Documentary: "Contagion" (Steven Soderbergh, 2011)</b>	Prof. Thijs Kuiken, Erasmus MC Rotterdam
	Discussion	<b>Post-film discussion with morning speakers</b>	students & coordinators, lecturers
Tuesday 18		<b>Principles of disease emergence</b>	
	Lecture	<b>Overview of the species barrier</b>	Prof. Thijs Kuiken, Erasmus MC Rotterdam
	Lecture	<b>Adaptation of pathogens to new host species</b>	Prof. Ron Fouchier Erasmus MC Rotterdam
	coffee break		
	Lecture	<b>Innate immunity as a species barrier: interferon antagonists compared</b>	Prof. Christian Drosten, University of Bonn, Germany
	Panel discussion	<b>Panel discussion</b>	
	Lunch		
	Self study	<b>Choose group case studies</b>	Prof. Thijs Kuiken, Erasmus MC Rotterdam
Wednesday 19		<b>Interspecies: Habitat, climate, wildlife</b>	
	Lecture	<b>Environmental and human factors in changing risk of tick-borne diseases</b>	Prof. Sarah Randolph, University of Oxford, UK
	Lecture	<b>Wildlife trade and global disease emergence,</b>	Dr. Kristine Smith, EcoHealth Alliance, USA
	coffee break		
	Lecture	<b>The economic costs of climate change</b>	Gail Whiteman, Rotterdam School of Management, EUR
	Panel discussion	<b>Panel discussion</b>	
	Lunch and travel to Almere		
	site visit	<b>Site visit: Stichting AAP, Kemphaanpad 1 1358 AC Almere</b>	David van Genneep, director Stichting AAP Hester van Bolhuis, veterinarian Stichting AAP
	dinner	<b>Dutch traditional Pancake dinner</b>	Pancake restaurant
	travel		
Thursday 20		<b>Interspecies: Livestock</b>	
	Lecture	<b>Global livestock production and risk of disease emergence</b>	Dr. Jan Slingenbergh, FAO, Italy
	Lecture	<b>Transmission of avian influenza from birds to humans</b>	Prof. Marion Koopmans, Erasmus MC & RIVM, The Netherlands
	coffee break		
	Lecture	<b>Epidemic of Q-fever in the Netherlands</b>	Dr. Wim van der Hoek, RIVM, The Netherlands
	Panel discussion	<b>Panel discussion</b>	
	travel to Gelderse Vallei & lunch on the road: Pluimveemuseum, Hessenweg 2a, 3771		
	tour @ pluimveemuseum		
	Lecture	<b>Epidemiology of avian influenza in the poultry industry</b>	Prof. Arjan Stegeman, Utrecht University, The Netherlands
	site visit	<b>Site visit: poultry farm in Gelderse Vallei &amp; BBQ at: Brandsen Rondeel Gerard en Jeannet Brandsen Van Amerongenweg 3 3771 LM Barneveld</b>	coordinated by Prof. Arjan Stegeman and Sjaak de Wit
	travel		
Friday 21		<b>Interspecies: human demography and activities</b>	



**ANTIGONE ONE HEALTH COURSE 2012**  
**17 September – 21 September 2012 (week 38)**



<i>day</i>	<i>form</i>	<i>title</i>	<i>teacher</i>
	Lecture	<b>World population growth and human health</b>	Prof. John Cleland, Department of Population Health, London School of Hygiene & Tropical Medicine
	Lecture	<b>Urban development and health</b>	Dr. Gordon McGranahan, IIED, UK
	<i>coffee break</i>		
	Lecture	<b>Human/animal daily relationships and zoonoses</b>	Dr. Frédéric Keck, CNRS, Laboratoire d'anthropologie sociale
	Panel discussion	<b>Panel discussion</b> <i>Travel to Van Nelle Fabriek; lunch in Van Nelle Fabriek</i>	
	Lecture	<b>Van Nelle fabriek, address: Van Nelleweg 6060, 3044 BC Rotterdam</b>	Ashok Bhalotra, ambassador of KuiperCompagnons, a Dutch urban design office in Van Nelle Factory, Rotterdam; and Director of FEWS (Food Energy Water Shelter) for More
	Documentary	<b>Documentary "Manufactured Landscapes"</b>	Prof. Thijs Kuiken, Erasmus MC Rotterdam
	Dicussion & drinks	<b>Panel discussion</b>	Ashok Bhalotra, Thijs Kuiken & participants



**ANTIGONE ONE HEALTH COURSE 2012**  
24 September – 28 September 2012 (week 39)



<i>day</i>	<i>form</i>	<i>title</i>	<i>teacher</i>
<b>Monday 24</b>			
	Lecture	<b>Intrahuman: entry to excretion</b> Influenza virus attachment and tissue tropism	Dr. Debby van Riel, Erasmus MC, The Netherlands
	Lecture	Pathogenesis of influenza in birds and humans	Prof. Thijs Kuiken, Erasmus MC Rotterdam
	<i>coffee break</i>		
	Lecture	Transmissibility of morbilliviruses	Dr. Rik de Swart, Erasmus MC, The Netherlands
	Panel discussion	<b>Panel discussion</b>	
	<i>Lunch</i>	<i>meeting teachers &amp; students</i>	students lecturers
	Practical	multiheader microscope session of pathology of emerging diseases > in 2 groups (13.00 & 15.00 )	Prof. Thijs Kuiken, Erasmus MC Rotterdam
<b>Tuesday 25</b>			
	Lecture	<b>Intrahuman: immune response and pathogenesis</b> Immune response and pathogenesis of HIV	Dr. Rob Gruters, Erasmus MC, The Netherlands
	Lecture	Immune response and pathogenesis of SARS	Dr. Bart Haagmans, Erasmus MC, The Netherlands
	<i>coffee break</i>		
	Lecture	Pathogenesis of filovirus infection	Prof. Viktor Volchikov, INSERM, France
	Panel discussion	<b>Panel discussion</b>	
	<i>Lunch</i>		
	<i>introduction</i>	Experimental animal facility of Erasmus MC	Dr. Martje Fentener van Vlissingen, Erasmus MC, The Netherlands
	Site visit	Experimental animal facility of Erasmus MC	Coordinated by director, Martje Fentener van Vlissingen
<b>Wednesday 26</b>			
	Lecture	<b>Interhuman: transmissibility</b> Transmissibility of influenza	Prof. Ron Fouchier Erasmus MC Rotterdam
	Lecture	Transmissibility and host associations of SARS virus and other coronaviruses,	Dr. Felix Drexler, University of Bonn
	<i>coffee break</i>		
	Lecture	Air travel and infectious diseases	Dr. Nigel Dowdall, head of aviation health unit, aviation house Gatwick Airport South
	Panel discussion	<b>Panel discussion</b>	
	<i>Lunch</i>		
	Self study		
<b>Thursday 27</b>			
	Lecture	<b>Epidemiology, risk assessment and modelling</b> Epidemiology of zoonotic pathogens in fruit bats	Prof. James Wood, University of Cambridge, UK.
	Lecture	Epidemiology of swine influenza and risk of transmission to humans	Prof. Kristien van Reeth, Gent University, Belgium
	<i>coffee break</i>		
	Lecture	Epidemiology of emerging diseases,	Dr. T. Bogich, Princeton University, USA
	Panel discussion	<b>Panel discussion</b>	
	<i>Lunch</i>		
	Lecture	Intra/interhuman model of influenza	Dr. Leslie Reperant, Erasmus MC, The Netherlands
	Practical	<b>Practical: Modelling exercise</b>	Dr. Leslie Reperant, Erasmus MC, The Netherlands
<b>Friday 28</b>			
	Lecture	<b>Identifying the cause of epidemics</b> How to identify causes of unexplained mortality	Prof. Ab Osterhaus Erasmus MC Rotterdam
	Lecture	Discovery of hMPV and other viruses	Prof. Ron Fouchier Erasmus MC Rotterdam
	<i>coffee break</i>		
	Lecture	454 sequencing and other novel methods of virus discovery	Dr. Rogier Bodewes, Erasmus MC Rotterdam
	Panel discussion	<b>Panel discussion</b>	
	<i>Lunch</i>		
	Practical	Desktop exercise to deal with a sudden epidemic	Dr. Chantal Reusken
	Lecture	Epidemiological and molecular approaches to identifying causes of food-borne virus outbreaks	Prof. Marion Koopmans, Erasmus MC & RIVM, The Netherlands



**ANTIGONE ONE HEALTH COURSE 2012**  
1 October – 5 October 2012 (week 40)



<i>day</i>	<i>form</i>	<i>title</i>	<i>teacher</i>
<b>Monday 1</b>			
		<b>Clinical treatment of EIDs in patients</b>	
	Lecture	<b>Severe respiratory disease in the Emergency Care Unit</b>	Dr. Pieter Fraaij, Erasmus MC, The Netherlands
	Lecture	<b>Clinical treatment of H5N1 influenza and SARS; clinical cases</b>	Prof. Menno de Jong, AMC, The Netherlands
	<i>coffee break</i>		
	Lecture	<b>Clinical aspects and treatment of EID in patients</b>	Dr. Constance Schultsz, AMC, The Netherlands
	Panel discussion	<b>Panel discussion</b>	
	<i>Lunch</i>	<i>Meeting</i>	students, lecturers
	Site visit	<b>Visit to hospital</b>	Dr. Pieter Fraaij and Dr. Jan Nouwen, Erasmus MC, The Netherlands
<b>Tuesday 2</b>			
		<b>Prevention of emerging diseases in humans</b>	
	Lecture	<b>Vaccine development for animals and humans</b>	Prof. Ab Osterhaus Erasmus MC Rotterdam
	Lecture	<b>Immunization programs against viral infections</b>	Dr. Susan Hahné, RIVM, The Netherlands
	<i>coffee break</i>		
	Lecture	<b>Oral vaccination campaigns and other options to manage infectious diseases in wildlife</b>	Dr. Christian Gortazar
	Panel discussion	<b>Panel discussion</b>	
	<i>Lunch</i>	<i>Meeting</i>	
	Presentations	<b>Presentation of case studies by groups</b>	
<b>Wednesday 3</b>			
		<b>Future developments</b>	
	Lecture	<b>Antiviral agents</b>	Erhard van der Vries, Erasmus MC, The Netherlands
	Lecture	<b>Developing influenza-resistant poultry by genetic modification</b>	Dr. Laurence Tiley, University of Cambridge, UK
	<i>coffee break</i>		
	Lecture	<b>Effect of population dynamics on wildlife reservoirs of tuberculosis,</b>	Dr. Richard Delahay, Central Science Laboratory, UK
	Panel discussion	<b>Panel discussion</b>	
	<i>Lunch</i>		
	Self study	<b>study for exam</b>	
<b>Thursday 4</b>			
		<b>Final exam</b>	
	Exam	<b>Final exam</b>	
	<i>Lunch</i>		
	Free time		
<b>Friday 5</b>			
		<b>Discussion of exam</b>	
	Discussion	<b>Discussion of exam</b>	Prof. Thijs Kuiken, Erasmus MC Rotterdam
	<i>Lunch</i>		
	Excursion	<b>Group excursion</b>	
	Dinner	<b>Farewell dinner</b>	