

Oral Programme

		Tuesday, 10 May 2016
15:00-19:00	Registration Karibu	
19:00-20:00	Welcome drink	
		Wednesday, 11 May 2016
07:00-08:30	Registration Health Services Foyer	
Room	Health Services Auditorium	
08:30-09:30	Opening session	
09:30-10:00	[Pl.01] A population genetics view of virus evolution F. González-Candelas ^{*1,2} , M.A. Bracho ^{1,2} , J.M. Cuevas ¹ , N. García-González ^{1,2} , F.X. López-Labrador ^{1,2} , J.A. Patiño-Galindo ^{1,2} , M. Torres-Puente ^{1,2} , ¹ University of Valencia, Spain, ² FISABIO-Public Health, Spain, ³ CIBERESP, Spain	
10:00-10:30	Coffee break Health Services Café	
10:30-11:00	[Pl.02] Pathogens as a driving force in human evolution M. Sironi, Bioinformatics - Scientific Institute IRCCS E.MEDEA, Italy	
11:00-11:30	[Pl.03] Origin, spread and global evolution of HIV M. Peeters*, M. d'Arc, C.J. Villabona-Arenas, A. Ayouba, E. Delaporte, Institut de Recherche pour le Développement (IRD), France	
11:30-13:00	Poster session 1 and lunch Karibu	
13:00-15:00	Symposium 1	
Room	Aula PG Janssens	Forum 2&3
	HIV epidemiology and evolution <i>Chairs : Martine Peeters and Dimitrios Paraskevis</i>	Host parameters <i>Chairs : Manuela Sironi and Joey Verdi</i>
13:00-13:17	[S1.A.01] Spatiotemporal characteristics of the CRF02_AG epidemic in Russia and central Asia E. Kostaki ¹ , M. Bobkova ² , M. Oikonomopoulou ¹ , G. Magiorkinis ^{1,3} , A. Hatzakis ¹ , D. Paraskevis ^{*1, 1Athens University Medical School, Greece, 2FSBI "N.F. Gamaleya FRCEM" of the Ministry of Health of the Russian Federation, Russia, 3University of Oxford, UK}	[S1.B.01] Germline transmission of targeted baboon apolipoprotein L-I in mice protects against African trypanosomes J. Verdi ^{*1,2} , J. Pant ^{1,2} , D. Kovacsics ¹ , M. Yu ³ , S. Kemp ³ , C. Schoenherr ⁴ , A. Economides ⁴ , D. Frendewey ⁴ , V. Lai ⁴ , J. Raper ^{1,2} , ¹ The Graduate Center at the City University of New York, USA, ² Hunter College at the City University of New York, USA, ³ International Livestock Research Institute, Kenya, ⁴ Regeneron Pharmaceuticals, USA
13:17-13:34	[S1.A.02] Identification of a large, fast-expanding HIV-1 subtype B transmission cluster among men who have sex with men in Valencia, Spain J.A.P. Galindo ^{*1,2} , M.T. Puent ^{1,2} , M.A. Bracho-Lapedra ^{1,6} , I. Alastrue ³ , A. Juan ³ , D. Navarro ^{2,4} , M.J. Galindo ⁴ , E. Ortega ⁵ , C. Gimeno ^{2,5} , F. Gonzalez-Candelas ^{2,6} , ¹ FISABIO-Salud Pública, Spain, ² University of Valencia, Spain, ³ Unidad Prevención SIDA y otras ITS, Spain, ⁴ Hospital Clínico Universitario, Spain, ⁵ Hospital General Universitario, Spain, ⁶ CIBER Epidemiología Salud Pública, Spain	[S1.B.02] Red fox in northern Italy and neighbouring countries: Genetic and spatial characterization B. Zecchin ^{*1} , M. De Nardi ² , E. Vanek ³ , T. Bedekovic ⁴ , P. Hostnik ⁵ , M. Lorenzetto ¹ , P. De Benedictis ¹ , G. Cattoli ¹ , ¹ Istituto Zooprofilattico Sperimentale delle Venezie, Italy, ² SAFOSO AG, Switzerland, ³ Austrian Agency for Health and Food Safety Institute for Veterinary Disease Control, Austria, ⁴ Croatian Veterinary Institute, Croatia, ⁵ University of Ljubljana, Slovenia
		[S1.C.01] Incorporating geospatial observation error in discrete Bayesian virus phylogeography M. Scotch ^{*1} , R. Beard ¹ , T. Tahsin ¹ , D. Weissenbacher ¹ , M.A. Suchard ² , G. Gonzalez ¹ , ¹ Arizona State University, USA, ² University of California, USA
		[S1.C.02] Bayesian codon substitution modelling to identify sources of pathogen evolutionary rate variation G. Baele ^{*1} , M.A. Suchard ² , F. Bielejec ¹ , P. Lemey ¹ , ¹ Rega Institute, Belgium, ² University of California, USA

13:34-13:51	<p>[S1.A.03] Molecular epidemiology HIV-1 in northern Alberta: A combined analysis of viral genetic and public health data</p> <p>D. Adachi¹, B. Vrancken^{*2}, M. Benedet¹, A. Singh³, R. Read⁴, S. Shafran³, G.D. Taylor³, S. Houston³, K. Simmonds⁵, C. Sikora⁶, ¹Alberta Provincial Laboratory for Public Health, Canada, ²Rega Institute for Medical Research, Belgium, ³University of Alberta, Canada, ⁴University of Calgary, Canada, ⁵Alberta Health Services, Canada, ⁶Alberta Health Services, Canada</p>	<p>[S1.B.03] Human leukocyte antigen-g: a promising marker of predisposition to tropical parasitic diseases?</p> <p>D. Courtin^{*1,2}, L. Gineau^{1,2}, J. Milet^{1,2}, A. Sabbagh^{1,2}, I. Sadissou³, T. D'Almeida^{1,2}, P. Sonon³, N. Rouas-Freiss^{4,5}, P. Moreau^{4,5}, E. Donadi³, ¹Institut de Recherche pour le Développement, France, ²Université Paris Descartes, France, ³University of São Paulo, Brazil, ⁴Commissariat à l'Energie Atomique et aux Energies Alternatives, France, ⁵Université Paris Diderot, France, ⁶Centre d'Etude et de Recherche sur le Paludisme Associé à la Grossesse et à l'Enfance, Benin, ⁷Institut de Recherche pour le Développement, Benin</p>	<p>[S1.C.03] Discovering potential sources of emerging pathogens: South America is a reservoir of generalist avian blood parasites</p> <p>M.A.J. Moens*, J. Pérez-Tris, Universidad Complutense de Madrid, Spain</p>
13:51-14:08	<p>[S1.A.04] Phylodynamic analysis of the HIV-1 suboutbreaks among people who inject drugs (PWID) in Athens</p> <p>D. Paraskevis^{*1}, E. Kostaki¹, G. Nikolopoulos², A. Flampouris¹, E. Papachristou¹, C. Tsiora², V. Sypsa¹, A. Hatzakis¹, ¹Athens University Medical School, Greece, ²Hellenic Center for Disease Control and Prevention, Greece</p>	<p>[S1.B.04] Apolipoprotein L1 variant associated with increased susceptibility to trypanosome infection</p> <p>B. Cuypers^{*1,2}, L. Lecordier³, C.J. Meehan¹, F. Van den Broeck¹, H. Imamura¹, P. Büscher¹, J.-C. Dujardin¹, K. Laukens², E. Pays³, S. Deborggraeve², ¹Institute Of Tropical Medicine, Belgium, ²University Of Antwerp, Belgium, ³Université Libre de Bruxelles, Belgium</p>	<p>[S1.C.04] Spatio-temporal analysis of Nova virus, a divergent hantavirus circulating in the European mole in Belgium</p> <p>L. Laenen*, S. Dellicour, V. Vergote, I. Nauwelaers, S. De Coster, I. Verbeeck, M. Van Ranst, P. Lemey, P. Maes, KU Leuven-University of Leuven, Belgium</p>
14:08-14:25	<p>[S1.A.05] Molecular analysis of HIV infected individuals in a network-based intervention (TRIP) in Athens: Phylogenetics identify HIV infected individuals with social links</p> <p>E. Kostaki¹, E. Pavlithina², L. Williams³, J. Schneider⁴, B. Skaathun⁴, E. Morgan⁴, M. Psichogiou⁵, V. Sypsa¹, P. Smyrnov⁶, A. Korobchuk⁶, M. Mallori⁷, A. Hatzakis¹, S. Friedman³, G. Nikolopoulos², D. Paraskevis^{*1}, ¹University of Athens, Greece, ²Transmission Reduction Intervention Project, Greece, ³National Development and Research Institutes, USA, ⁴Center for AIDS Elimination, USA, ⁵First Department of Internal Medicine, Greece, ⁶Alliance for Public Health, Ukraine, ⁷University of Athens, Greece</p>	<p>[S1.B.05] Identification of a mannose-binding lectin implicated in the resistance mechanism of Trypanosoma brucei gambiense against the lytic action of the human serum</p> <p>J.M. Bart^{*1,2}, C. Cordon-Obras², A. Benito¹, M. Navarro², ¹Instituto de Salud Carlos III, Spain, ²Consejo Superior de Investigación Científica, Spain</p>	<p>[S1.C.05] Flexible inference method to reconstruct phylogenetic and transmission trees from densely sampled outbreaks</p> <p>D. Klinkenberg*, J. Backer, J. Wallinga, National Institute for Public Health and the Environment, The Netherlands</p>
14:25-14:42	<p>[S1.A.06] A phylogenetic comparison between Sanger sequencing and 454 pyrosequencing derived HIV-1 pol sequences</p> <p>A. Beloukas^{*1,2}, H. Papachristou¹, E. Kostaki¹, A. Hatzakis¹, D. Paraskevis^{*1}, ¹University of Athens, Greece, ²Institute of Infection and Global Health, University of Liverpool, UK</p>	<p>[S1.B.06] When viruses don't go viral: The importance of host phylogeography in the spatial spread of arenaviruses</p> <p>S. Gryseels^{*1}, S. Baird², R. Makundi³, B. Borremans¹, H. Leirs¹, J.G. de Bellocq², ¹University of Antwerp, Belgium, ²Institute of Vertebrate Biology, Czech Republic, ³Sokoine University of Agriculture, Tanzania</p>	<p>[S1.C.06] Effect of RNA substitution models on viroid and RNA virus phylogenetics</p> <p>J.A.P. Galindo^{*1,2}, O. Pybus³, F. Gonzalez-Candelas^{*1,2}, ¹University of Valencia, Spain, ²FISABIO-Salud Pública, Spain, ³University of Oxford, UK</p>

14:42-15:00	[S1.A.07] HIV epidemic dynamics in people who inject drugs inferred from data from Russia and Ukraine T.I. Vaslyeva ^{*1} , S.R. Friedman ² , A. Hatzakis ³ , O.G. Pybus ¹ , A. Katzourakis ¹ , P. Smirnov ⁴ , T. Karamitros ^{1,3} , D. Paraskevis ³ , G. Magiorkinis ¹ , ¹ <i>University of Oxford, UK</i> , ² <i>National Development and Research Institutes, USA</i> , ³ <i>Athens University Medical School, Greece</i> , ⁴ <i>International HIV/AIDS Alliance in Ukraine, Ukraine</i>	[S1.B.07] Human geographic population structure and susceptibility to infectious diseases M. Tibayrenc, <i>IRD Center, France</i>	
15:00-15:30	Coffee break Karibu		
15:30-17:30	Symposium 2		
Room	Auditorium Rochus	Forum 2&3	Aula PG Janssens
	Virology of veterinary relevance <i>Chairs : Daniel Cadar and Fernando Gonzalez Candelas</i>	Helminth biology and evolution <i>Chairs : Serge Morand and Thomas J. Crelle</i>	Ecology and Evolution of Bacteria 1 <i>Chairs : Thierry Wirth and Noémie S. Becker</i>
15:30-15:50	[S2.A.01] Phylogenetic analysis of BVDV in Canada A. Chernick*, F. van der Meer, <i>University of Calgary, Canada</i>	[S2.B.01] Trematode-mitogenomic database with addition of species from Heterophyidae, Echinostomatidae, Opisthorchiidae and Fasciolidae for biomedical studies T.H. Le*, N.T.B. Nguyen, D.T. Roan, N.T. Khue, D.T.T. Huong, D.T. Dung, <i>Vietnam Academy of Science and Technology, Vietnam</i>	[S2.C.01] <i>Borrelia burgdorferi sensu lato</i> - the global evolution of a bacterial species complex N.S. Becker ^{*1} , G. Margos ² , H. Blum ¹ , S. Krebs ¹ , S. Graf ¹ , S. Castillo-Ramirez ³ , A. Sing ² , V. Fingerle ² , ¹ <i>Ludwig Maximilian Universität Munich, Germany</i> , ² <i>National Reference Centre for Borrelia at the Bavarian Health and Food Safety Authority, Germany</i> , ³ <i>Universidad Nacional Autónoma de México, Mexico</i>
15:50-16:10	[S2.A.02] Bluetongue virus spread in Europe is a consequence of host, climatic and landscape factors M. Jacquot ^{*1} , K. Nomikou ² , J. Hughes ¹ , M. Palmarini ¹ , P. Mertens ² , R. Biek ¹ , ¹ <i>University of Glasgow, UK</i> , ² <i>The Pirbright Institute, UK</i>	[S2.B.02] Population genomics of human parasite <i>schistosoma mansoni</i> : Population history and effects of selection T.J. Crelle ^{*1,2} , F. Allan ³ , S. David ² , C. Durrant ² , T. Huckvale ² , N. Holroyd ² , A.M. Emery ³ , D. Rollinson ³ , D.M. Aanensen ^{1,2} , M. Berriman ² , ¹ <i>Imperial College London, UK</i> , ² <i>Wellcome Trust Sanger Institute, UK</i> , ³ <i>Natural History Museum London, UK</i> , ⁴ <i>Royal Veterinary College London, UK</i>	[S2.C.02] Two years molecular surveillance of <i>Vibrio cholerae</i> in potable environmental water in cholera endemic region of Central India M. Jain ^{*1,2} , P. Kumar ^{1,3} , A.K. Goel ¹ , ¹ <i>Defence Research & Development Establishment, India</i> , ² <i>Jiwaji University, India</i> , ³ <i>National Centre for Disease Control, India</i>
16:10-16:30	[S2.A.03] Within-host genetic diversity of an H3N6 avian influenza virus in ferrets A. Fusaro*, F. Bonfante, E. Mastorilli, A. Milani, L. Tassoni, A. Salviato, A. Romero, I. Monne, G. Cattoli, <i>Istituto Zooprofilattico Sperimentale delle Venezie, Italy</i>	[S2.B.03] A link between parasite genotype and host disease phenotype in human schistosomiasis? N. Boon ^{*1,2} , F. Van den Broeck ^{1,2} , L. Meurs ² , F. Volckaert ¹ , K. Polman ² , T. Huyse ^{3,2} , ¹ <i>KU Leuven, Belgium</i> , ² <i>Institute of Tropical Medicine, Belgium</i> , ³ <i>Royal Museum for Central Africa, Belgium</i>	[S2.C.03] Micro-epidemiological approach to understanding transmission dynamics of <i>Mycobacterium ulcerans</i> in the Ouémé river valley in southern Benin M. Eddyani ^{*1} , K. Vandelnoot ¹ , C. Meehan ¹ , N. Boon ¹ , D. Affolabi ² , J. Aguiar ³ , J. Porter ⁵ , E. Abatih ¹ , J.G. Houzezo ⁴ , G. Sopoh ⁴ , ¹ <i>Institute of Tropical Medicine, Belgium</i> , ² <i>Laboratoire de Référence des Mycobactéries, Benin</i> , ³ <i>Centre de Dépistage et de Traitement de l'Ulcère de Buruli Gbemotin, Benin</i> , ⁴ <i>Centre de Dépistage et de Traitement de l'Ulcère de Buruli d'Allada, Benin</i> , ⁵ <i>University of Melbourne, Australia</i>

16:30-16:50	[S2.A.04] Intraspecific molecular characterization of bovine coronavirus (BCoV) N. Kin ^{*1,2} , F. Miszczak ^{1,2} , L. Diancourt ⁴ , V. Caro ⁴ , F. Moutou ⁵ , A. Vabret ^{2,3} , M. Le Gouil ² ⁴ , ¹ Normandie Université, France, ² University of Caen Normandy, France, ³ University Hospital of Caen, France, ⁴ Institut Pasteur, France, ⁵ ANSES Boulogne Billencourt, France	[S2.B.04] Gastrointestinal parasite sharing in multi-host primate communities L. Frias*, M. Okamoto, A. MacIntosh, Kyoto University, Japan	[S2.C.04] Molecular epidemiology of carbapenem non-susceptible <i>Acinetobacter baumanii</i> from a university hospital in Egypt A.M. El Banna, N.N. Nawar, R.M. Mohamed, S.T. Salem*, Faculty of Medicine - Cairo University, Egypt
16:50-17:10	[S2.A.05] Bat coronaviruses in France and western palearctic: After mers and sars, are there other candidates to emergence? M. Ar Gouilh ^{*1,4} , S.J. Puechmaille ² , L. Diancourt ¹ , M. Vandenbergaert ¹ , V. Caro ¹ , J. Serra ¹ , A. Vabret ¹ , J.C. Manuguerra ¹ , ¹ Insitut Pasteur, France, ² Université de Caen Normandie, France, ³ Greifswald University, Germany, ⁴ Universitat de Barcelona, Spain	[S2.B.05] Global change and tropical infectious disease in Europe: The emergence of urinary schistosomiasis in Corsica (France) T. Huyse ^{*1,2} , N. Boon ^{2,3} , B. Webster ⁴ , K. Polman ² , J. Boissier ⁵ , ¹ Royal Museum for Central Africa, Belgium, ² Institute of Tropical Medicine, Belgium, ³ University of Leuven, Belgium, ⁴ The Natural History Museum, UK, ⁵ Université de Perpignan, France	[S2.C.05] The effect of tick feeding ecology on the distribution of <i>Borrelia burgdorferi</i> OspC major groups S.N. Seifert*, O. Onder, B.A. Garcia, D. Brisson, University of Pennsylvania, USA
17:10-17:30	[S2.A.06] Standardizing bovine sample preparation procedures for viral metagenomics M.R. Garcia*, A. Chernick, R. Dardari, C. Dalton, F. van der Meer University of Calgary, Canada	[S2.B.06] Epidemiology and genetic pattern of the emerging hybrid <i>Fasciola</i> species T.H. Le ^{*1} , N.T.B. Nguyen ¹ , D.T. Roan ¹ , N.T. Khue ¹ , T.T.H. Doan ¹ , P. Dorny ¹ , ¹ Vietnam Academy of Science and Technology, Vietnam, ² Institute of Tropical Medicine, Belgium	[S2.C.06] Molecular epidemiology of leprosy in a region of high incidence in the state of Mato Grosso, Brazil L.R. De Lamano ¹ , W. Li ² , A.B. Fontes ³ , L. Fachin ¹ , A.F.F. Belone ¹ , C. Ghidela ⁴ , M. Virmond ¹ , V. Vissa ² , P.N. Suffys ^{3,5} , I.M.F. Dias-Baptista ^{*1} , ¹ Instituto Lauro de Souza Lima, Brazil, ² Colorado State University, USA, ³ FIOCRUZ, Brazil, ⁴ Centro de Referencia Jardim Guanabara, Brazil, ⁵ Institute of Tropical Medicine, Belgium
17:45-20:00	Free walking tour and City Welcome Reception		

Thursday, 12 May 2016

Room	Health Services Auditorium
08:30-09:00	[Pl.04] Zikavirus 2016: Public Enemy No. 1? R. Huits*, E. Bottieau, L. Cnops, K. Ariën, Institute of Tropical Medicine, Belgium
09:00-09:30	[Pl.05] Use of mycobacterial genomes to measure the impact of man-made problems and solutions for tuberculosis control C.J. Meehan, B. Ofori-Anyinam, L. Rigouts, M. Antonio, S. Niemann, F. Gehre, B.C. de Jong*, Instituut voor Tropische Geneeskunde, Belgium
09:30-10:00	[Pl.06] Darwin's greatest discovery: Design without designer F.J. Ayala, University of California, USA
10:00-10:30	Coffee break Health Services Café
10:30-11:00	[Pl.07] Schistosomiasis: From devastating parasitic disease to tractable model system T. Anderson, Texas Biomedical Research Institute, USA
11:00-11:30	[Pl.08] When a house is not a home: Innate red cell variants and protection from malaria S.M. Taylor, Duke University Medical Center, USA
11:30-12:00	[Pl.09] Academic versus industrial approach to tracking of infectious diseases using big data A. van Belkum, bioMérieux Microbiology R&D, France
12:00-13:50	Poster session 2 and lunch Karibu
13:00-13:50	Author Workshop Aula PG Janssens

13:50-15:30 Symposium 3			
Room	Auditorium Rochus	Forum 2&3	Aula PG Janssens
	Vector biology and evolution <i>Chairs : Majoline Tchioffo and Jean-Pierre Dujardin</i>	Evolution of parasitic protozoa <i>Chairs : Jean-Claude Dujardin and Thierry de Meeüs</i>	Genomics and next-generation sequencing <i>Chairs : Alex Van Belkum and C.J. Meehan</i>
13:50-14:10	[S3.A.01] Phylogenetic relationship between and within populations of <i>Rhipicephalus appendiculatus</i> from different agro-ecological zones of Democratic Republic of Congo, Rwanda and Burundi S.G. Amzati ^{1,2} , R. Pelle ³ , M. Madder ⁴ , N. Kirschvink ¹ , T. Marcotty ¹ , ¹ University of Namur, Belgium, ² Université Evangelique en Afrique, Congo, ³ Biosciences Eastern and Central Africa International Livestock Research Institute, Kenya, ⁴ Institute of Tropical Medicine, Belgium	[S3.B.01] Population genetics, reproductive strategies and taxonomic diversities of african trypanosomes T. De Meeüs ^{*1} , M. Koffi ² , M. Sére ³ , W. Weir ⁴ , ¹ IRD, France, ² Université Jean Lorougnon GUEDE, Côte D'Ivoire, ³ CIRDES, Burkina Faso, ⁴ Wellcome Centre for Molecular Parasitology, UK	[S3.C.01] Characterising the genomic diversity of the nontuberculous mycobacterial species C.J. Meehan ^{*1} , T. Fedrizzi ² , I. Grottola ³ , E. Giacobazzi ² , G.F. Serpini ³ , S. Tagliazucchi ³ , O. Jousson ² , E. Tortoli ⁴ , N. Segata ² , ¹ Institute of Tropical Medicine, Belgium, ² University of Trento, Italy, ³ University Hospital Polyclinic, Italy, ⁴ IRCCS San Raffaele Scientific Institute, Italy
14:10-14:30	[S3.A.02] Database completion and in-silico analysis of <i>anopheles gambiae</i> metabolism to elucidate vital insecticidal targets M. Adebiyi*, S. Fatumo, E. Adebiyi, Covenant University, Nigeria	[S3.B.02] Phylogenetic analysis of the <i>Trypanosoma</i> genus based on the heat-shock protein 70 gene J. Fraga ^{*1} , A.M. Montalvo ¹ , I. Maes ² , S. Deborggraeve ² , P. Büscher ² , J.C. Dujardin ^{2,3} , G. Van der Auwera ² , ¹ Institute of Tropical Medicine Pedro Kouri, Cuba, ² Institute of Tropical Medicine, Belgium, ³ Antwerp University, Belgium	[S3.C.02] Bovine viral diarrhea virus 1 (BVDV-1) mutation detection by NGS in virus pairs F. Cerutti ^{*1} , C. Caruso ¹ , C. Luzzago ² , S. Lauzi ² , P.L. Acutis ¹ , L. Masoero ¹ , S. Peletto ¹ , ¹ Istituto Zooprofilattico Sperimentale Piemonte, Liguria e Valle D'Aosta, Italy, ² University of Milan, Italy
14:30-14:50	[S3.A.03] Bacterial community composition in the malaria mosquito's epithelia (midgut, ovaries and salivary glands) M.T.T. Tchioffo ^{*1,2} , A.L. Abate ¹ , A.B. Boissiere ¹ , S.E.N. Nsango ^{2,3} , A.N.B. Bayibéki ² , P.A.A. Awono-Ambéné ² , R.C. Christen ⁴ , G.G. Gimmonneau ² , I.M. Morlais ^{1,2} , ¹ IRD 224- Centre National de la Recherche Scientifique, France, ² Laboratoire d'Entomologie Médicale, Cameroun, ³ Université de Douala, Cameroun, ⁴ Centre National de la Recherche Scientifique, France	[S3.B.03] Atypical human trypanosomoses: An emerging threat? P. Truc ^{*1} , R. Nzoumbou-Boko ² , M. Desquesnes ³ , S. Semballa ² , P. Vincendeau ² , ¹ Institut de Recherche pour le Développement, France, ² University of Bordeaux, France, ³ CIRAD/Kasetsart University, Thailand	[S3.C.03] Discovering of multiple modes of genomic variation and plasticity in kinetoplastids by whole genome sequencing technologies H. Imamura ^{*1} , M. Domagalska ¹ , E. Tihon ¹ , F. Van den Broeck ¹ , T. Downing ^{2,3} , J. Van den Abbeele ¹ , J. Arévalo ⁴ , M. Berriman ² , J.A. Cotton ² , J.C. Dujardin ^{1,5} , ¹ Institute of Tropical Medicine, Belgium, ² Wellcome Genome Campus, UK, ³ Dublin City University, Ireland, ⁴ Universidad Peruana Cayetano Heredia, Peru, ⁵ University of Antwerp, Belgium
14:50-15:10	[S3.A.04] Viral diversity as a mechanism for successful infection of the mosquito vector N.L. Forrester*, E.I. Patterson, M. Rojas, T.F. Kautz, Y. Fofanov, University of Texas Medical Branch, USA	[S3.B.04] Babesia microti-like sequences present in wild rodent species in South Africa M. Troskie ^{*1} , S. Matthee ² , I. Vorster ¹ , R. Jansen ³ , B.L. Penzhorn ¹ , M.C. Oosthuizen ¹ , ¹ University of Pretoria, South Africa, ² Stellenbosch University, South Africa, ³ Tshwane University of Technology, South Africa	[S3.C.04] Genome-wide association study of carriage versus disease in <i>Neisseria meningitidis</i> S.G. Earle*, M.C.J. Maiden, D.J. Wilson, University of Oxford, UK

15:10-15:30	<p>[S3.A.05] High fidelity TC-83 has reduced growth rate in RNAi competent mosquito cells</p> <p>T.F. Kautz*, E.I. Patterson, D.I. Auguste, S.C. Weaver, N.L. Forrester, <i>University of Texas Medical Branch, USA</i></p>		<p>[S3.C.05] Metagenomic analysis for the detection of an unexpected pathogen in a fatal familial cluster of acute respiratory distress syndrome</p> <p>M. Vandebogaert^{*1}, A. Gautheret-Dejean², A.S. Delannoy-Vieillard¹, V. Sauvage^{1,3}, M. Ar Gouilh¹, V. Lemée⁴, M. Pestel Caron⁴, B. Veber⁴, A. Vabret⁵, A.M. Burguière¹, ¹<i>Institut Pasteur, France</i>, ²<i>Hôpitaux Universitaires La Pitié Salpêtrière-Charles Foix, France</i>, ³<i>Institut National de la Transfusion Sanguine, France</i>, ⁴<i>CHU Charles Nicolle Rouen, France</i>, ⁵<i>CHU de Caen, France</i></p>
15:30-16:00	Coffee break Karibu		
16:00-18:00	Symposium 4		
Room	Auditorium Rochus	Forum 2&3	Aula PG Janssens
	<p>Molecular epidemiology and Evolution of <i>Mycobacterium tuberculosis</i></p> <p><i>Chairs : Bouke de Jong and Igor Mokrousov</i></p>	<p>Epidemiology and biology of eukaryotic pathogens</p> <p><i>Chairs : Frederik Van den Broeck and Irshad M. Sulaiman</i></p>	<p>Virus Biology and evolution 1</p> <p><i>Chairs : Kevin Ariën and Konstantin Chumakov</i></p>
16:00-16:20	<p>[S4.A.01] Global phylogeography and phylogeny of Latin-American-Mediterranean lineage of <i>Mycobacterium tuberculosis</i></p> <p>I. Mokrousov^{*1}, A. Vyazovaya¹, T. Iwamoto², Y. Skiba³, I. Pole⁴, S. Zhdanova⁵, K. Arikawa², V. Sinkov⁵, V. Valcheva⁶, R. Ranka⁴, ¹St. Petersburg Pasteur Institute, Russia, ²Kobe Institute of Health, Japan, ³Aitkhozhin Institute of Molecular Biology and Biochemistry, Kazakhstan, ⁴Latvian Biomedical Research and Study Centre, Latvia, ⁵Scientific Center of Family Health and Reproductive Problems, Russia, ⁶Institute of Microbiology, Bulgaria</p>	<p>[S4.B.01] Genetic characterization of fungi isolated from environmental swabs collected from various pharmaceutical compounding company premises in the United States: An active surveillance study of public health importance</p> <p>I.M. Sulaiman*, E. Jacobs, S. Simpson, K. Kerdahi, U.S. Food and Drug Administration, USA</p>	<p>[S4.C.01] Disentangling the heterogeneous transmission dynamics of Middle East respiratory syndrome (MERS) in the Republic of Korea, 2015</p> <p>H. Nishiura, R. Kinoshita*, Hokkaido University, Japan</p>
16:20-16:40	<p>[S4.A.02] Combining host and pathogen data to reconstruct tuberculosis evolution: Linking back Turkish and Japanese history to modern or Paleolithic era?</p> <p>G. Refregier^{*1}, E. Abadia², T. Matsumoto³, H. Ano³, T. Takashima³, I. Tsuyuguchi³, E. Aktas⁴, E. Cömert⁵, M. Gomgnimbou^{6,7}, S. Panaiotov⁸, ¹Institute for Integrative Biology of the Cell (IIBBC), France, ²Istituto Venezolano de Investigaciones Científicas, Venezuela, ³Osaka Prefectural Medical Center for Respiratory and Allergic Diseases, Japan, ⁴Sisli Etfal and Training Hospital, Turkey, ⁵Bülent Ecevit University, Turkey, ⁶Université Polytechnique de Bobo-Dioulasso, Burkina Faso, ⁷Centre Muraz, Burkina Faso, ⁸National Center of Parasitic and Infectious Diseases, Bulgaria</p>	<p>[S4.B.02] Do carnivore scavenging strategies evolve to avoid parasite transmission?</p> <p>W.M. Getz^{*1}, M. Moleón², O.C. Muellerklein¹, J.A. Sánchez-Zapata², ¹University of California at Berkeley, USA, ²Universidad Miguel Hernández, Spain</p>	<p>[S4.C.02] The introduction, spread and reemergence of Ebola virus in Liberia</p> <p>J.T. Ladner*, M.R. Wiley, J.R. Kugelman, S. Mate, M. Sanchez-Lockhart, G. Palacios, US Army Medical Research Institute of Infectious Diseases, USA</p>

16:40-17:00	[S4.A.03] Host genetic variation underlying resistance to bovine tuberculosis infection in dairy cows S. Wilkinson ^{*1} , S.C. Bishop ¹ , A.R. Allen ² , S.H. McBride ² , M. Bermingham ¹ , R.A. Skuce ^{2,3} , J.A. Wooliams ¹ , L. Glass ¹ , ¹ <i>University of Edinburgh, UK</i> , ² <i>Agri-Food and Biosciences Institute Stormont, UK</i> , ³ <i>Queen's University Belfast, UK</i>	[S4.B.03] Large-scale biochemical and chemical characterization of parasite protein kinases R. Hui, <i>Structural Genomics Consortium, Canada</i>	[S4.C.03] Using herpes virus to map the colonization of caribou (<i>Rangifer tarandus</i>) in Canada C.S. Dalton*, F.J. van der Meer, S.J. Kutz, K.E. Ruckstuhl, M.F. Abdul-Careem, <i>University of Calgary, Canada</i>
17:00-17:20	[S4.A.04] Molecular epidemiology of tuberculosis in goats, pig and sheep in Cameroon R.A. Guemechieu ^{*1} , F.K. Koro ^{1,2} , A.N. Ngane ¹ , Y.K. Simo ² , M. Tchamba ³ , A.T. Onana ¹ , J.P.A. Assam ¹ , F-X. Etoa ^{1,4} , ¹ <i>International Network of Pasteur Institutes, Cameroon</i> , ² <i>University of Douala, Cameroon</i> , ³ <i>University of Yaoundé I, Cameroon</i> , ⁴ <i>University of Montagne, Cameroon</i>	[S4.B.04] Human infection with the enteric protozoa <i>Blastocystis</i> sp. is associated with increased diversity of the gut bacterial microbiota C. Audebert ¹ , G. Even ¹ , A. Cian ² , A. Loywick ¹ , S. Merlin ¹ , F. Delbac ³ , E. Viscogliosi ² , M. Chabé ^{*2} , ¹ <i>Genes Diffusion, France</i> , ² <i>Institut Pasteur de Lille, France</i> , ³ <i>University Blaise Pascal, France</i>	[S4.C.04] Algorithmic prediction of virus outbreak locales using past geospatial references D. Magee*, M. Scotch, <i>Arizona State University, USA</i>
17:20-17:40	[S4.A.05] Is <i>M. africanum</i> still observing a genuine regression in Cameroon: Case of Douala, the most cosmopolitan and economic city in Cameroon B.M. Fotso ⁴ , F.K. Koro ^{1,2} , A.T. Onana ^{*2} , R.A. Guemechieu ² , M. Tchamba ⁴ , R.M. Somo ⁴ , A.N. Ngane ² , F-X. Etoa ^{2,3} , ¹ <i>International Network of Pasteur Institutes, Cameroon</i> , ² <i>University of Douala, Cameroon</i> , ³ <i>University of Yaoundé I, Cameroon</i> , ⁴ <i>University of Montagne, Cameroon</i>	[S4.B.05] Heterokaryon incompatibility and phenotypic characterisation of <i>Aspergillus flavus</i> isolates in low and high risk zones in Kenya A. Mitema ^{*1,2} , S. Rafudeen ² , S. Okoth ¹ , R. Iyer ² , ¹ <i>University of Cape Town, South Africa</i> , ² <i>University of Nairobi, Kenya</i>	[S4.C.05] Co-evolution between rabbits and rabbit haemorrhagic disease virus and the important role flies as transporting vectors N. Schwensow*, P. Cassey, <i>University of Adelaide, Australia</i>
17:40-18:00	[S4.A.06] Mycobacterium tuberculosis East African Indian (EAI)- SNP diversity suggests common ancestry for Brazil-Pará and Malawi isolates potentially linked to slave trade E.C. Conceição ^{1,2} , X.O. Daragon ² , H. Gomes ³ , G. Refrégiere ² , F. Coll ⁴ , N. Ratovonirina ⁵ , V. Rasolofo-Razanamparany ⁶ , M.L. Lopes ⁶ , K.V. Lima ⁷ , R. Duarte ¹ , C. Sola ^{*2} , ¹ <i>Universidade Federal do Rio de Janeiro, Brazil</i> , ² <i>Institute for Integrative Biology of the Cell (I2BC), France</i> , ³ <i>Instituto Oswaldo Cruz, Brazil</i> , ⁴ <i>London School of Hygiene and Tropical Medicine, UK</i> , ⁵ <i>Institut Pasteur de Madagascar, Madagascar</i> , ⁶ <i>Instituto Evandro Chagas, Brazil</i> , ⁷ <i>Institut of Tropical Medicine, Belgium</i>		[S4.C.06] Evolution of vaccine-derived polioviruses: Elucidating patterns of intertypic recombination K. Chumakov ^{*1,2} , E. Cherkasova ^{1,3} , E. Rodionova ¹ , E. Korotkova ⁴ , S. Petrovskaya ¹ , T. Zagorodnyaya ¹ , M. Laassri ¹ , O. Ivanova ⁵ , A. Gmyl ⁵ , V. Agol ^{4,5} , ¹ <i>FDA Center for Biologics Evaluation and Research, USA</i> , ² <i>George Washington University, USA</i> , ³ <i>National Institutes of Health, USA</i> , ⁴ <i>Moscow State University, Russia</i> , ⁵ <i>Chumakov Institute of Poliomyelitis and Viral Encephalitides, Russia</i>
19:30-22:00	Conference dinner (ticket holders only) <i>Elzenveld</i>		

Friday, 13 May 2016			
Room	Health Services Auditorium		
09:00-09:30	[Pl.10] Anatomical landmarks, semi-landmarks and pseudo-landmarks in medical entomology J.-P. Dujardin, CIRAD-IRD, France		
09:30-10:00	[Pl.11] Molecular epidemiology and evolution of Ebola virus- new insights from the West African outbreak K.K. Ariën, Institute of Tropical Medicine, Belgium		
10:00-10:30	Coffee break Health Services Café		
10:30-11:00	[Pl.12] Origin, spread and demography of major human bacterial diseases in a globalizing world T. Wirth, Natural History Museum & Ecole Pratique des Hautes Etudes, France		
11:00-11:30	[Pl.13] Wildlife-borne diseases and habitats in Southeast Asian changing environments S. Morand, Université Montpellier 2, France		
11:30-12:00	[Pl.14] Evolution and revolution in <i>Leishmania donovani</i> : A phylogenomic approach of drug resistance in the Indian sub-continent J.-C. Dujardin ^{*1} , H. Imamura ¹ , F. Van den Broeck ¹ , M. Domagalska ¹ , G. De Muylder ¹ , K. Rai ² , Suman Rijal ² , S. Sundar ³ , M. Berriman ¹ , J. Cotton ¹ , ¹ Institute of Tropical Medicine, Belgium, ² BPKIHS, Nepal, ³ Banaras Hindu University, India, ⁴ Wellcome Trust Sanger Institute, UK		
12:00-13:00	Lunch Karibu		
13:00-15:00	Symposium 5		
Room	Aula PG Janssens	Auditorium Rochus	Forum 2&3
	Virus Biology and evolution 2 <i>Chairs : Ignacio Bravo and Mattia Calzolari</i>	<i>Plasmodium</i> and other apicomplexa parasites <i>Chairs : Steve Taylor and Chris Delgado-Ratto</i>	Mechanisms of drug resistance <i>Chairs : Ralph Huits and Phillip P. Salvatore</i>
13:00-13:20	[S5.A.01] Sympatric circulation of two Usutu virus strains in Northern Italy between 2009 and 2014 M. Calzolari*, A. Moreno, L. Baioni, P. Bonilauri, L. Lelli, C. Chiapponi, IZSLER, Italy	[S5.B.01] Next generation sequencing of human-pathogenic <i>Cyclospora cayetanensis</i> parasites from three indigenous geographic regions I.M. Sulaiman ^{*1} , E. Jacobs ¹ , Y. Ortega ² , S. Simpson ¹ , K. Kerdahi ¹ , ¹ U.S. Food and Drug Administration, USA, ² University of Georgia, USA	[S5.C.01] Genetic and molecular basis of Isometamidium Chloride resistance in <i>Trypanosoma congolense</i> E. Tihon ^{*1} , H. Imamura ¹ , A. Kostense ¹ , G. Caljon ^{1,2} , J.-C. Dujardin ¹ , J. Van den abbeele ¹ , ¹ ITM, Belgium, ² University of Antwerp, Belgium
13:20-13:40	[S5.A.02] Pathogenesis of the adapted A(H1N1)pdm09 influenza virus in different inner organs of infected mice E.A. Prokopyeva ^{*1,2} , E.I. Solovyova ¹ , I.A. Sobolev ² , A.V. Glushenko ² , S.G. Sayfutdinova ² , M.V. Sivay ² , M.Y. Shelkanov ³ , A.M. Shestopalov ² , ¹ Novosibirsk State University, Russia, ² Siberian Division of the Russian Academy of Sciences, Russia, ³ Russian Academy of Sciences, Russia	[S5.B.02] Antigenic diversity of <i>Theileria parva</i> in the great lakes region of central Africa S.G. Amzati ^{*1,2} , R. Pelle ³ , M. Madder ⁴ , N. Kirschvink ¹ , T. Marcotty ¹ , ¹ University of Namur, Belgium, ² Université Evangélique en Afrique, Congo, ³ Biosciences Eastern and Central Africa -International Livestock Research Institute, Kenya, ⁴ Institute of Tropical Medicine, Belgium	[S5.C.02] The case-control study as a novel tool to quantify the fitness costs of drug resistance mutations P.P. Salvatore ^{*1,2} , M.C. Becerra ³ , P. Abel zur Wiesch ⁴ , T. Hinkley ⁴ , D. Kaur ⁵ , A. Sloutsky ⁵ , T. Cohen ⁴ , ¹ Harvard School of Public Health, USA, ² Johns Hopkins Bloomberg School of Public Health, USA, ³ Harvard Medical School, USA, ⁴ Yale School of Public Health, USA, ⁵ University of Massachusetts Medical School, USA

13:40-14:00	[S5.A.03] Can the fitness hypothesis explain the limited viral diversity of influenza A virus? A simulation study J.A. Backer*, O.V. Kuznetsova, D. Klinkenberg, National Institute for Public Health and the Environment, The Netherlands	[S5.B.03] Genetic structure, transmission dynamics and bottleneck events of <i>Plasmodium vivax</i> population in the Peruvian Amazon C. Delgado-Ratto ^{*1} , D. Gamboa ² , V. Soto-Calle ² , P. Van den Eede ³ , E. Torres ² , L. Sánchez-Martínez ² , J. Contreras-Mancilla ² , A. Rosanas-Urgell ³ , H.R. Ferrucci ⁴ , A. Llanos-Cuentas ² , A. Erhart ³ , J.-P. Van Geertruyden ¹ , U. D'Alessandro ⁵ , ⁶ , ¹ University of Antwerp, Belgium, ² Universidad Peruana Cayetano Heredia, Peru, ³ Institute of Tropical Medicine, Belgium, ⁴ Ministry of Health of Peru, Peru, ⁵ Medical Research Council Unit, Gambia, ⁶ London School of Hygiene and Tropical Medicine, UK	[S5.C.03] Detecting antimicrobial resistance in enteropathogenic <i>E. coli</i> D.J. Ingle ^{*1} , K.L. Kotloff ² , M.M. Levine ² , K.E. Holt ¹ , R.M. Robins-Browne ^{1,3} , ¹ University of Melbourne, Australia, ² Center for Vaccine Development, University of Maryland School of Medicine, USA, ³ Murdoch Childrens Research Institute, Royal Children's Hospital, Australia
14:00-14:20	[S5.A.04] The predominant clonal evolution model applied to the population genetics of bacteria and viruses M. Tibayrenc, IRD Center, France	[S5.B.04] Looking at the "real" parasites: Contrasting <i>P. falciparum</i> clag3 genes expression patterns between culture and human conditions S. Mira-Martinez ^{*1,2} , E. van Schuppen ⁵ , A.A. Ngwa ³ , M. Affara ³ , E. Bottieau ¹ , M. Van Esbroeck ¹ , E. Vlieghe ¹ , P. Guetens ¹ , G.P. Gómez-Pérez ² , J. Muñoz ² , P.L. Alonso ² , U. D'Alessandro ² , A. Cortés ^{2,4} , A. Rosanas-Urgell ¹ , ¹ Institute of Tropical Medicine, Belgium, ² Barcelona Institute for Global Health, Spain, ³ Medical Research Council Unit, Gambia, ⁴ Catalan Institution for Research and Advanced Studies (ICREA), Spain, ⁵ Radboud University, The Netherlands	[S5.C.04] Phenotypic versus genotypic drug susceptibility testing for <i>Mycobacterium tuberculosis</i> P. Lempens ^{*1} , C. Sola ² , M. Gomgnimbou ³ , F. Coll ⁴ , M. Diels ¹ , A. Pain ⁵ , R. Mcnerney ^{4,6} , T.G. Clark ⁴ , C.J. Meehan ¹ , L. Rigouts ^{1,7} , ¹ Institute of Tropical Medicine, Belgium, ² Université Paris-Saclay, France, ³ Centre Muraz, Burkina Faso, ⁴ London School of Hygiene & Tropical Medicine, UK, ⁵ King Abdullah University of Science and Technology, Saudi Arabia, ⁶ University of Cape Town, South Africa, ⁷ University of Antwerp, Belgium
14:20-14:40	[S5.A.05] Genetic diversity of human T-lymphotropic virus 1 in Peru J. Rosado ¹ , F. Falconi ¹ , C. Ocampo ¹ , C. Alvarez ^{*1,2} , G. López ¹ , K. Verdonck ^{1,3} , E. Gotuzzo ¹ , M. Talledo ^{1,4} , ¹ Universidad Peruana Cayetano Heredia, Peru, ² KU Leuven - University of Leuven, Belgium, ³ Institute of Tropical Medicine, Belgium, ⁴ University of Antwerp, Belgium	[S5.B.05] Identification of protective epitopes within <i>Plasmodium falciparum</i> antigens using reverse immunodynamics A.S. Walker ^{*1} , K.J. Spensley ¹ , P. Wikramaratna ¹ , B.S. Penman ¹ , J. Lourenço ¹ , A.L. Smith ¹ , O.G. Pybus ¹ , L. Jean ¹ , S. Gupta ¹ , ¹ University of Oxford, UK, ² University of Edinburgh, UK	[S5.C.05] Is <i>E. coli</i> ST131 a universal marker of antibiotic resistance and virulence? M.D. Ismail, S. Hatt, B. Salzman, A. Rickard, B. Foxman*, University of Michigan, USA
14:40-15:00	[S5.A.06] Phylogenetic analyses of the canine distemper virus in Chile C. Verdugo ^{*1} , M. Salazar ³ , M. Sepulveda ² , ¹ Universidad Austral de Chile, Chile, ² Pontificia Universidad Católica de Chile, Chile, ³ Bioscan S.A., Chile		
15:00-15:30	Coffee break Karibu		

15:30-17:30 Symposium 6			
Room	Auditorium Rochus	Aula PG Janssens	Forum 2&3
	Taxonomy and Evolution of <i>Leishmania</i> parasites <i>Chairs : Jean-Claude Dujardin and Elisa Cupolillo</i>	Ecology and Evolution of Bacteria 2 <i>Chairs : Igor Mokrousov and Shima M. Abdulgader</i>	Cancer and transmissible diseases <i>Chairs : Michel Tibayrenc and Ignacio Bravo</i>
15:30-15:50	[S6.A.01] The controversial taxonomy of <i>Leishmania</i> parasites: Applying col barcode in a taxonomically challenging group M.C. Boité, G.C. da Graça, R.R. Cuadrat, G.E.M. Ferreira, C.P.B. Filgueiras, R. Porrozzini, E. Cupolillo*, Fundação Oswaldo Cruz, Brazil	[S6.B.01] Longitudinal assessment of <i>Staphylococcus aureus</i> nasopharyngeal carriage patterns during infancy in a South African birth cohort S.M. Abdulgader*, L. Robberts ¹ , S. Lubbe ¹ , H. Zar ¹ , M. Nicol ^{1,2} , ¹ University of Cape Town, South Africa, ² National Health Laboratory Service, South Africa	[S6.C.01] An eco-immunological approach for cancer: A new role for infectious diseases? C. Jacqueline ^{*1,2} , F. Renaud ^{1,2} , F. Thomas ^{1,2} , B. Roche ^{1,3} , ¹ Institut de Recherche pour le Développement, France, ² Centre National de la Recherche Scientifique, France, ³ UPMC UMMISCO, France
15:50-16:10	[S6.A.02] MLMT to unravel mixed infections and the selection of <i>L. infantum</i> clones in a study of canine visceral leishmaniasis A.S. Cavalcanti, G.E.M. Ferreira, M.C. Boité, E. Cupolillo*, R. Porrozzini, Fundação Oswaldo Cruz, Brazil	[S6.B.02] Molecular epidemiology of <i>Staphylococcus aureus</i> identified in healthy South African infants S.M. Abdulgader*, L. Robberts ¹ , H. Zar ¹ , M. Nicol ^{1,2} , ¹ University of Cape Town, South Africa, ² National Health Laboratory Service, South Africa	[S6.C.02] Ancient origins, dispersal and diversity of HPV16, the most oncogenic human papillomavirus I.G. Bravo ^{*1,2} , V.N. Pimenoff ^{2,3} , S. Nicolás-Párraga ^{2,3} , ¹ National Center or Scientific Research (CNRS), France, ² Catalan Institute of Oncology (ICO), Spain, ³ Bellvitge Institute of Biomedical Research, Spain
16:10-16:30	[S6.A.03] Spatial distribution of <i>Leishmania donovani</i> genotypes circulating in Nepal K. Rai ¹ , N. Bhattacharai ¹ , B. Khanal ¹ , S. Rijal ¹ , M. Boelaert ² , P. Karki ¹ , M. Vanaerschot ⁴ , G. Gebru ⁵ , H. Imamura ² , J.C. Dujardin ^{2,3} , G. Van der Auwera ^{*2} , ¹ B.P. Koirala Institute of Health Sciences, Nepal, ² Institute of Tropical Medicine, Belgium, ³ University of Antwerp, Belgium, ⁴ Columbia University College of Physicians and Surgeons, USA, ⁵ Aksum University, Ethiopia	[S6.B.03] The microbiome associated with buruli ulcer lesions C. Van Leuvenhaege ¹ , K. Vandelnootte ¹ , D. Affolabi ² , F. Portaels ¹ , G. Sopoh ³ , B.C. de Jong ¹ , M. Eddyani ¹ , C.J. Meehan ^{*1} , ¹ Institute of Tropical Medicine, Belgium, ² Laboratoire de Référence de Mycobactéries, Benin, ³ Institut Régionale de Santé Publique, Benin	[S6.C.03] High association of <i>Cryptosporidium</i> infection with digestive cancer in humans G. Certad ^{*1,2} , M. Osman ^{1,3} , S. Benamrouz ^{1,4} , ¹ Institut Pasteur de Lille, France, ² Université Catholique de Lille, France, ³ Laboratoire de Microbiologie Santé et Environnement, Lebanon, ⁴ Université Lille Nord de France, France
16:30-16:50	[S6.A.04] Speciation, divergence and genome structure in New World <i>Leishmania</i> populations along the Andes F. Van den Broeck ^{*1} , H. Imamura ¹ , J. Arevalo ² , V. Adauí ² , M. Jara ^{1,2} , L. Garcia ³ , M.J. Sanders ⁴ , M. Berriman ⁴ , J.A. Cotton ⁴ , J.-C. Dujardin ¹ , ¹ Institute of Tropical Medicine, Belgium, ² Instituto de Medicina Tropical A. von Humboldt, Peru, ³ CUMETROP, Bolivia, ⁴ Wellcome Trust Sanger Institute, UK	[S6.B.04] A comparative study of different methods for phylogenetic analyses of <i>Vibrio cholerae</i> O1 epidemic strains P. Kumar ^{*1,2} , P. Yadav ¹ , M. Jain ³ , D.G. Deshmukh ⁴ , A.K. Goel ⁵ , P.K. Yadava ¹ , ¹ Jawaharlal Nehru University, India, ² National Centre for Disease Control, India, ³ Jiwaji University, India, ⁴ SVN Government Medical College, India, ⁵ Defence Research and Development Establishment, India	[S6.C.04] Genome wide identification of virulence factors of the carcinogenic protist <i>Cryptosporidium parvum</i> M. Chabé ^{*1} , S. Caboche ¹ , C. Audebert ² , S. Merlin ² , K. Guyot ¹ , N. Gantois ¹ , C. Creusy ³ , E. Viscogliosi ¹ , S. Benamrouz ¹ , G. Certad ¹ , ¹ Institut Pasteur de Lille, France, ² Genes Diffusion, France, ³ GHICL, France

16:50-17:10	<p>[S6.A.05] A systems biology compendium for <i>Leishmania donovani</i></p> <p>B. Cuypers^{*1,2}, P. Meysman², M. Vanaerschot¹, M. Berg¹, M.A. Domagalska¹, K. Laukens², J-C. Dujardin^{1,2}, ¹Institute Of Tropical Medicine, Belgium, ²University Of Antwerp, Belgium, ³Columbia University Medical Center, USA</p>	<p>[S6.B.05] Multilocus sequence typing reveals association of <i>Borrelia burgdorferi</i> s.l. sequence types with clinical manifestations of Lyme borreliosis</p> <p>E.C. Coipan^{*1}, S. Jahfari¹, M. Fonville¹, G.A. Oei², L. Spanjaard², K. Takumi¹, J.W.R. Hovius², H. Sprong¹, ¹National Institute for Public Health and Environment (RIVM), The Netherlands, ²Academic Medical Center of University of Amsterdam, The Netherlands</p>	<p>[S6.C.05] Bacterial infections associated with cancer: Whole-proteome microarrays for antigenic target identification</p> <p>K. Hufnagel*, S. Lueong, M. Willhauck-Fleckenstein, B. Miao, A. Michel, J. Butt, M. Pawlita, J.D. Hoheisel, T. Waterboer, German Cancer Research Center (DKFZ), Germany</p>
17:10-17:30	<p>[S6.A.06] Genomic analysis of intra-specific hybrids and ancestor-like donors among natural Ethiopian isolates of <i>Leishmania donovani</i>, and the experimental production of abundant, viable <i>L. donovani</i> hybrids in two sand fly species</p> <p>M. Yeo^{*1}, J.A. Cotton^{1,2}, J. Sadlova¹, C. Durrant^{1,2}, M. Sanders^{1,2}, M. Berriman^{1,2}, A. Hailu^{1,4}, T. Gelanew^{1,5}, M.A. Miles¹, ¹LSHTM, UK, ²Sanger Institute, UK, ³Charles University, Czech Republic, ⁴Addis Abba University, Ethiopia, ⁵CDC, Puerto Rico</p>	<p>[S6.B.06] Occurrence of <i>Chlamydophila psittaci</i> in domestic and wild birds and its zoonotic potential</p> <p>N. Ghoneim*, K. Abdel-Moein, N. Kamal, Cairo University, Egypt</p>	
17:30-18:00	Closing ceremony & Awards Aula PG Janssens		