

Program

June 18th Thursday

8.00-8.30

Registration

8.30-9.45

Rickettsia infections and Rickettsiosis Session I

Conveners:

Christopher Paddock. Rickettsial Zoonoses Branch, Centers for Disease Control and Prevention, Atlanta, Georgia, USA.

Salim Mattar. Institute for Tropical Biological Research, University of Córdoba, Córdoba, Colombia.

Vector competence and amplifying hosts of *Rickettsia* spp.

Marcelo Labruna. Faculty of Veterinary Medicine and Zootechnics, University of São Paulo, São Paulo, Brazil.

When to suspect a rickettsiosis in the 21st century: a clinical challenge.

José A. Oteo. Center of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectious Diseases Department, San Pedro University Hospital-Center for Biomedical Research (CIBIR), Logroño, Spain.

How do I confirm the role of a rickettsia?

Rita de Sousa. Rickettsial infections and enteric virus laboratory at National Institute of Health, Dr. Ricardo Jorge, Lisbon, Portugal

9.45-11.00

Rickettsia infections and Rickettsiosis Session II

Convener:

Nathalie Boulanger. UR3073-PHAVI-Pathogen-Host-Arthropod Vector Interactions-Ticks and Tick-Borne Disease Group, France and French Reference Centre on Lyme Borreliosis, CHRU, University of Strasbourg, Strasbourg, France.

Ione Villar. Center of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectious Diseases Department, San Pedro University Hospital-Center for Biomedical Research (CIBIR), Logroño, Spain.

Pros & Cons: Is a tick removed from a patient a useful clinical sample for the diagnosis of a Rickettsial disease?

Ana M. Palomar. Center of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectious Diseases Department, San Pedro University Hospital-Center for Biomedical Research (CIBIR), Logroño, Spain.

Jacques Sevestre. IHU Méditerranée Infection. Aix-Marseille Université, Marseille, France.

MALDI-TOF identification of ticks and tick-associated bacteria.

Philippe Parola. Institut Hospitalo-Universitaire Méditerranée Infection, Marseille, France.

NGS techniques or conventional methods for diagnosing rickettsial diseases?

Marina E. Ereemeeva. Jiann-Ping Hsu College of Public Health, Georgia Southern University, Statesboro, Georgia, USA.



11.00-11.30

Coffee break



11.30-12.15

Official opening

With the presence of the President of La Rioja Government and other authorities.



12.15-13.15

Opening Keynote Lecture

A life dedicated to the study of Rickettsiae.

David H. Walker. Director, Center for Biodefense and Emerging Infectious Diseases. Director, Center for Tropical Diseases, University of Texas Medical Branch, Galveston, Texas, USA.

Introduced by José Antonio Oteo



13.15-14.45

Lunch



14:15 - 16:45

Anaplasmataceae Session

Conveners:

J. Stephen Dumler. School of Medicine, Uniformed Services University, Bethesda, Maryland, USA.

Anna Moniuszko-Malinowska. Department of Infectious Diseases and Neuroinfections, Medical University of Białystok, Poland.

Anaplasmataceae and infection: a view from 2,271 meters.

J. Stephen Dumler. School of Medicine, Uniformed Services University, Bethesda, Maryland, USA.

Multifactorial influence on the host cytoskeleton by *Anaplasma phagocytophilum* effector proteins.

Ian Cadby. Bristol Veterinary School, University of Bristol, Bristol, UK.

Preparing for entry: Temperature-dependent type IV secretion systems drive *Anaplasma phagocytophilum* infection.

Travis Chiarelli. Department of Microbiology and Immunology, Virginia Commonwealth University Medical Center, School of Medicine, Richmond, Virginia, USA.

Molecular Mimicry and Immune Evasion: *Ehrlichia* Rewiring of Host Signaling and Transcription.

Jere W. McBride. Department of Pathology-Department of Microbiology and Immunology-Center for Biodefense and Emerging Infectious Diseases-Sealy Institute for Vaccine Sciences- Institute for Human Infections and Immunity, University of Texas Medical Branch, Galveston, Texas, USA.

***Neoehrlichia mikurensis*.**

Sonia Santibáñez. Centre of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectious Diseases Department, San Pedro University Hospital-Centre for Biomedical Research (CIBIR), Logroño, Spain.

16.45-17.15

Coffee break

17.15-19.15

***Coxiella* Session**

Convener:

Matthieu Million. IHU Méditerranée Infection-Microbes Evolution Phylogeny and Infections (MEPHI)-Research Institute for Development, Aix-Marseille University-Assistance Publique-Hôpitaux de Marseille, Marseille, France.

Stacey Gill. Department of Pathology, Microbiology, and Immunology, University of Nebraska Medical Center, Omaha, Nebraska, USA

Q fever endocarditis

Arístides de Alarcón. Clinical Unit of Infectious Diseases, Microbiology, and Parasitology, Virgen del Rocío University Hospital, Seville, Spain.

The future of Q fever: testing, registries and international advisory meetings.

Robert Horvath. Pathology Queensland, The Royal Brisbane & Women's Hospital-University of Queensland, Brisbane, Queensland, Australia. Q Fever Interest Group.

Brief Perspective: Recent Insights and Challenges in Q Fever from the French National Reference Center.

Matthieu Million. IHU Méditerranée Infection-Microbes Evolution Phylogeny and Infections (MEPHI)-Research Institute for Development, Aix-Marseille University-Assistance Publique-Hôpitaux de Marseille, Marseille, France.

Oral communications 1

Program

June 19th Friday

8.00–9.15

***Rickettsia & Orientia* Session**

Conveners:

Benjamin Makepeace. Institute of Infection, Veterinary and Ecological Sciences, University of Liverpool, Liverpool, United Kingdom.

Jorge Alba. Centre of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectious Diseases Department, San Pedro University Hospital-Centre for Biomedical Research (CIBIR), Logroño, Spain.

Scrub typhus research *quo vadis?* – navigating unresolved issues...

Daniel H Paris. Swiss Tropical and Public Health Institute-Department of Clinical Research, University of Basel, Basel, Switzerland.

Rickettsial infections: Vellore updates

John AJ Prakash. Christian Medical College, Vellore, India.

A humanized IFN-gamma mouse model reveals skin eschar formation, enhanced susceptibility and scrub typhus pathogenesis

Lynn Soong. Department of Microbiology and Immunology and Department of Pathology-Center for Tropical Diseases-Center for Biodefense and Emerging Infectious Diseases-Sealy Center for Vaccine Development- Institute of Human Infections and Immunity, University of Texas Medical Branch, Galveston, Texas, USA.

9.15–10.45

Vaccines Symposium

Conveners:

Roman Ganta. Department of Pathobiology and Integrative Biomedical Sciences, College of Veterinary Medicine, Bond Life Sciences Center, University of Missouri, Columbia, USA.

Eva Martínez. Directorate General of Public Health, Consumer Affairs, and Care, Government of La Rioja.

Importance of vaccines with highlighting current progress and knowledge gaps related to Rickettsiaceae family diseases impacting humans, including *Orientia* and *Rickettsia* species.

David Walker. Director, Center for Biodefense and Emerging Infectious Diseases. Director, Center for Tropical Diseases, University of Texas Medical Branch, Galveston, Texas, USA.

Current *Coxiella burnetii* vaccine advances and future perspectives.

James Samuel. Department of Microbial Pathogenesis and Immunology, Texas A&M University Health Science Center, Bryan, Texas, USA.

Molecular genetics and vaccine updates: combating tick-borne *Ehrlichia*, *Anaplasma* and *Rickettsia* species pathogens.

Roman Ganta. Department of Pathobiology and Integrative Biomedical Sciences, College of Veterinary Medicine, Bond Life Sciences Center, University of Missouri, Columbia, USA.



10.45-11.15

Coffee break

Recognition of the ASR Travel Grant Recipients



11.15-12.30

Murine typhus in the 21st century Session

Convener:

Christopher Paddock. Rickettsial Zoonoses Branch, Centers for Disease Control and Prevention, Atlanta, Georgia, USA.

Mari Cruz Calvo. Health Alerts and Emergencies Coordination Centre (CCAES), Directorate General of Public Health and Health Equity, Ministry of Health.

Murine typhus as one of the main causes of intermediate-duration fever. The experience in Canary Islands.

Mónica Vélez. Hospital Universitario de La Palma, Breña Alta, Spain.

The Reemerging Threat of Murine Typhus in the United States: Trends, Risks, and Public Health Implications

Lucas S Blanton. Department of Internal Medicine-Division of Infectious Diseases, University of Texas Medical Branch, Galveston, Texas, USA.

A Century of Murine Typhus in the Middle East.

Iris Zohar. Infectious Disease Unit, Edith Wolfson Medical Center, Holon, Israel.



12:30 - 13.15

Oral communications 2



13:15- 14.45

Lunch



14:45–16:45

***Chlamydia* Session**

Conveners:

Mirja Puolakkainen. Faculty of Medicine–Virology and Immunology, University of Helsinki and Helsinki University Hospital, Helsinki, Finland.

Gilbert Greub. Diagnostic Microbiology Laboratories–Infectious Diseases Department, Institute of Microbiology, CHUV–University of Lausanne, Switzerland.

Cell biology of *Chlamydia*.

Lisa Rucks. Department of Pathology, Microbiology, and Immunology, University of Nebraska Medical Center, Omaha, Nebraska, USA.

Division of *Chlamydia* and the developmental stages of this obligate intracellular bacteria.

Gilbert Greub. Diagnostic Microbiology Laboratories–Infectious Diseases Department, Institute of Microbiology, CHUV–University of Lausanne, Switzerland.

CRISPRi and beyond: studying essential gene function in *Chlamydia*.

Scot Ouellette. Department of Pathology, Microbiology, and Immunology, University of Nebraska Medical Center, Omaha, Nebraska, USA.

Oral communications 3



16:45–17:15

Coffee break



17:15–18.15

Oral communications 4

Program

June 20th Saturday

8.00-9.00

Rickettsiales subcommittee of International Committee on Systematics of Prokaryotes (ICSP) setup meeting

By invitation only.

9.00-10.00

Taxonomy and nomenclature of Rickettsiales Symposium

Convener:

Gregory A. Dasch. Rickettsia Unlimited LLC., Stone Mountain, Georgia, USA.

Taxonomy of *Rickettsia* species: should classification be universal?

Pierre-Edouard Fournier. VITROME, IHU Méditerranée-Infection, Aix-Marseille University, Marseille, France.

More Than Labels: Classification Informs Scientific Endeavors.

Julie Dunning Hotopp, University of Maryland-School of Medicine, Baltimore, Maryland, USA.

10.00-11.00

Oral Communications 5

11:00 - 11:30

Coffee break

11:30 - 13:30

Bartonella Session

Convener: Richard Birtles. Tick Infections Group, School of Sciences, Engineering and Environment, University of Salford, Manchester, UK.

José M. Ramos. Department of Internal Medicine, Dr. Balmis General University Hospital. Miguel Hernández University. Alicante Institute for Health and Biomedical Research (ISABIAL), Alicante, Spain.

Hepatosplenic forms of *Bartonella* infections

Juan Carlos García. Internal Medicine Department. Pontevedra University Hospital Complex. Pontevedra, Spain.

Program

June 20th Saturday

Fleas, associated endosymbionts and their putative impact on *Bartonella* spp.

Marcos R. André. Vector-Borne Bioagents Laboratory (VBBL), Faculty of Agrarian and Veterinary Sciences, São Paulo, Brazil.

***Bartonella* genomics**

Richard Birtles. Tick Infections Group, School of Sciences, Engineering and Environment, University of Salford, Manchester, UK.

Eco-epidemiology of *Bartonella* infections in wild populations.

Anna Bajer. Department of Eco-Epidemiology of Parasitic Diseases, Institute of Developmental Biology and Biomedical Sciences, Faculty of Biology, University of Warsaw, Warsaw, Poland.

Oral communications 6

13.30-13.45

Closure



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