iCRIP

2026 International Conference on Rickettsiae and other Intracellular Pathogens

June 18-20 2026

IES Práxedes Mateo Sagasta

Logroño, La Rioja. SPAIN

Congress Book

Welcome

Dear Colleagues and Friends,

It is our great pleasure to welcome you to the *International Conference on Rickettsiae and other Intracellular Pathogens (ICRIP),* to be held in Logroño, La Rioja (Spain).

We are delighted to host this event and to bring together experts from around the world. This conference provides an excellent opportunity to exchange knowledge, share experience, and foster collaboration in the field of infectious diseases caused by bacteria of the genera *Rickettsia, Orientia, Ehrlichia* and *Anaplasma,* as well as other intracellular pathogens, including the causative agent of Q fever and those responsible for *Chlamydia* and *Bartonella* infections.

Many of you may remember the 2005 Joint Meeting of ESCAR-ASR in La Rioja, and we sincerely hope that this conference will achieve the same scientific success and become equally memorable.

La Rioja is a welcoming region in northern Spain, shaped by a long history as a meeting point of cultures. It is also considered the cradle of the Spanish language, as the earliest written records of Spanish were found here.

We wish you a nice stay in La Rioja, enjoying our scientific program, our history and culture.

Arantza Portillo
Organizing Committee Chair

José A. Oteo
Viceconsejero de Salud
y PSS Gobierno de La Rioja

Comittee

Organizing Committee

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Karla R. Dzul
Daniel Voth
Marylin Hidalgo
Marcelo B. Labruna
Zuzana Sekeyova
Philippe Parola

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

16.45-17.15
Coffee break

17.15-19.15
Coxiella Session

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

Stacey Gilk. 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 Méditerraneé 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. Center of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectious Diseases Department, San Pedro University Hospital-Center 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 Méditerraneé-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, Enginering 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 Universitary Hospital Complex. Pontevedra, Spain.

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, Enginering 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
Clausure

Organizers


PATÓGENOS ESPECIALES
CIBIR
Centro de Rickettsiosis y Enfermedades transmitidas por Artrópodos Vectores


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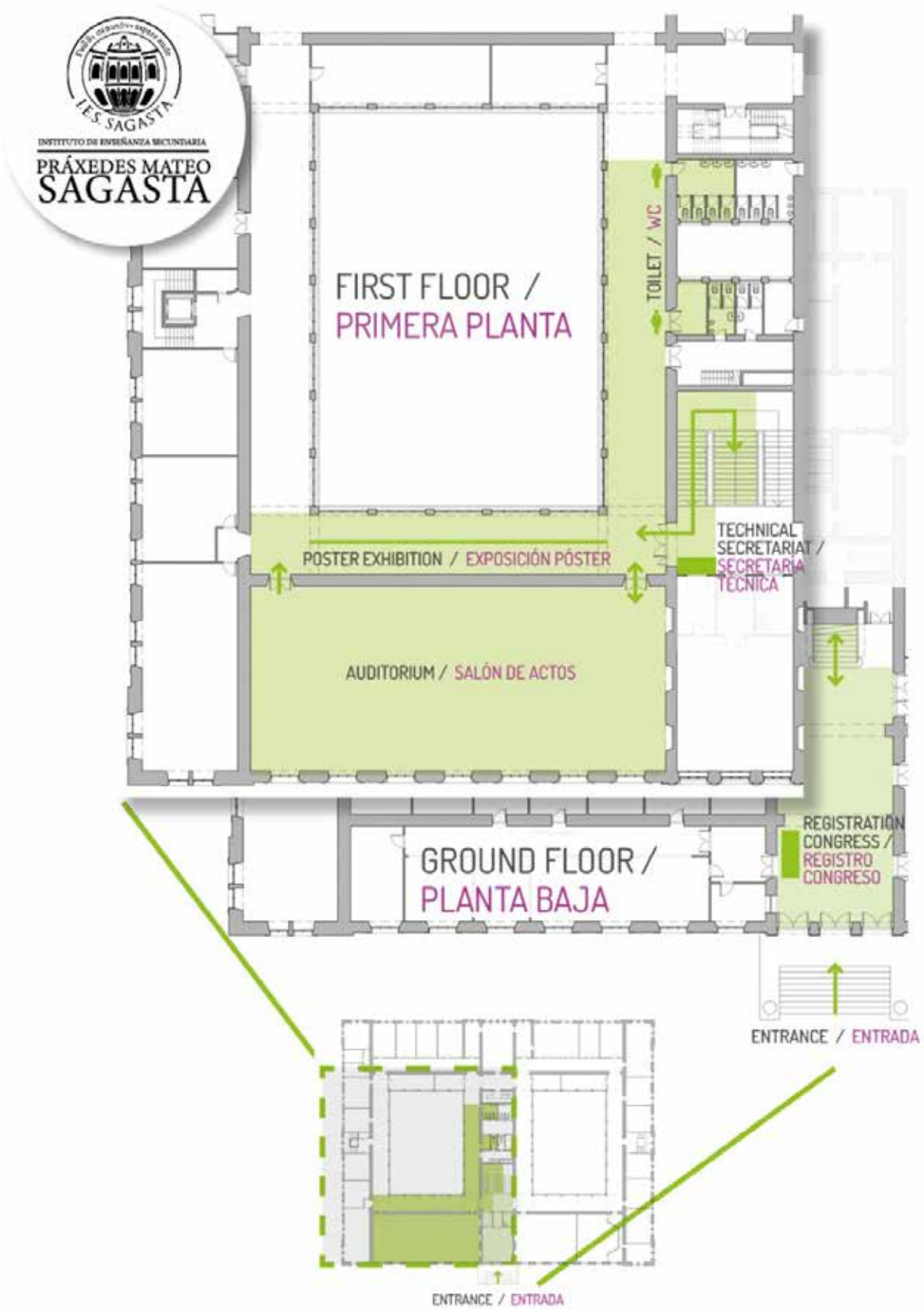

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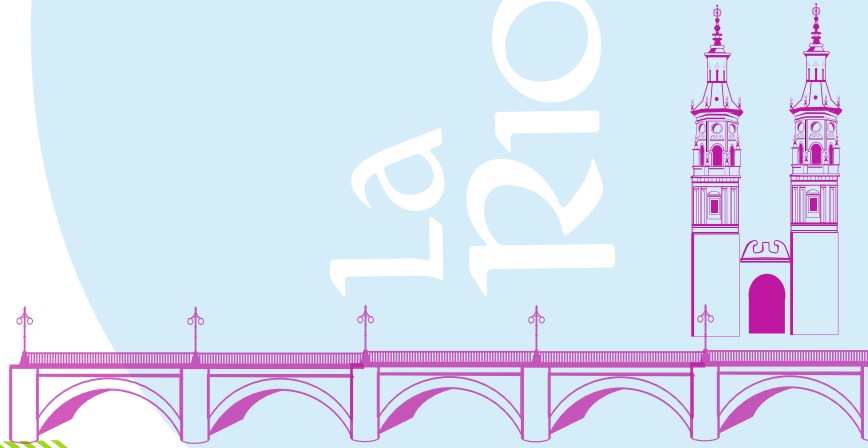

La Rioja

Appendices

Poster exhibitions

Oral Communications

Poster code	Title
P-01	**Utility of LAMP assay in lieu of PCR for Scrub typhus diagnosis in resource limited settings** Priyal Gupta[1], Shivani Choubey[2], Shashank Purwar[1], Salatiel Dias[3] [1] All India Institute of Medical Sciences Bhopal, India. [2] L.N. Medical College Bhopal, India. [3] Universidade Federal do Oeste do Pará.
P-02	**Diagnostic value of serum IgA in scrub typhus with IgA subclass analysis** Jin-Soo Lee[1], Jae Hyoung Im[1], Sukbin Jang[2], Young Ju Suh[3], Kwang Jun Lee[4], Jonghyun Kim[4], Se Ju Lee[1], Ji Hyeon Baek[1], Young Kyoung Park[5], EunJi Kim[5], Hye-Jin Lee[5], Sungmyung Lee[5], Kyung-Wook Hong[6], In-Gyu Bae[6], Moon-Hyun Chung[5] [1] Division of Infectious Diseases, Department of Internal Medicine, Inha University College of Medicine, Incheon, Korea. [2] Division of Infectious Diseases, Department of Internal Medicine, Dankook University Hospital, Dankook University College of Medicine, Cheonan, Republic of Korea. [3] The Biostatistics Center, Biomedical Research Institute, Inha University College of Medicine, Incheon, Korea. [4] Division of Zoonotic Infectious Diseases, Korea Disease Control and Prevention Agency, Osong, Republic of Korea. [5] Translational Research Center, Institute for Bio-Medical and Translational Health Care, Inha University College of Medicine, Incheon, Korea. [6] Division of Infectious Diseases, Department of Internal Medicine, Gyeongsang National University Hospital, Gyeongsang National University College of Medicine, Jinju, South Korea.
P-03	**A rapid isothermal RPA–CRISPR/Cas12a assay for detection of *Rickettsia rickettsii*** Sezayi Ozubek[1], Huitao Liu[1], Roman R. Ganta[1] [1] Department of Pathobiology and Integrative Biomedical Sciences, College of Veterinary Medicine, Bond Life Sciences Center, University of Missouri, Columbia, MO, United States.
P-04	**African Tick Bite Fever in Travelers Returning from South Africa: Management of a 8-Case Cluster in Marseille, France** Victor Eiferman[1], Axelle Clerc[2], Philippe Parola[1], Pierre-Edouard Fournier[3], Sophie Edouard[3], Jacques Sevestre[1] [1] Institut Hospitalo-Universitaire Méditerranée Infection, Marseille, France. [2] Service des maladies infectieuses, Hôpital Laveran, Hôpitaux des Armées, Marseille, France. [3] Centre National de Référence des Rickettsioses, IHU Méditerranée Infection, Marseille, France.

Poster code	Title
P-05	**African tick bite fever, other cause of vesicular rash and fever in Europe?** Ana M. Palomar[1], Aránzazu Portillo[1], Ana Sanz Aguilar[2], Carlos Barceló[3], Diego Tricio[1], José A. Oteo[1] [1] Center of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectious Diseases Department, San Pedro University Hospital-Center for Biomedical Research (CIBIR), Logroño, Spain. [2] Grupo de Ecología y Demografía Animal, IMEDEA CSIC-UIB, Esporles, Spain. [3] Applied Zoology and Animal Conservation Group, University of the Balearic Islands, Palma, Spain.
P-06	**Whole genome analysis of *Rickettsia vini*, a spotted fever group rickettsia from ornithophilic hard ticks** Ana M. Palomar[1], Aránzazu Portillo[1], Sonia Santibáñez[1], María de Toro[2],Lesley Bell-Sakyi[3], Paula Santibáñez[1], Cristina Cervera-Acedo[1], Gerardo Fracasso[4,5], José A. Oteo[1] [1] Center of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectious Diseases Department, San Pedro University Hospital-Center for Biomedical Research from La Rioja (CIBIR), Logroño, Spain [2] Genomics and Bioinformatics Platform, Center for Biomedical Research from La Rioja (CIBIR), Logroño, Spain [3] Department of Infection Biology and Microbiomes, Institute of Infection, Veterinary and Ecological Studies, University of Liverpool, Liverpool L3 5RF, UK. [4] Centre for Ecology and Conservation, University of Exeter, Penryn, United Kingdom [5] Evolutionary Ecology Group, University of Antwerp, Wilrijk, Belgium
P-07	**Clinical, serological and epidemiological characteristics of patients with Alpha-Gal Syndrome in La Rioja** Mónica Venturini Díaz[1], Irene Vidal Orive[1], María Alejandra Noriega Herrera[1], María Dolores Del Pozo Gil[1], Idoia González Mahave[1], Aránzazu Portillo [1] Department of Allergology, CARPA-San Millán, Hospital Universitario San Pedro, Logroño, La Rioja, Spain. [2] Center of Rickettsioses and Arthropod-Borne Diseases (CRETAV), Department of Infectious Diseases, Hospital Universitario San Pedro-CIBIR, Logroño, La Rioja, Spain.
P-08	**Tick bite in Spain: estimation of the risk of *Rickettsia* infection** María Cruz Calvo Reyes[1], Laura Santos Larrégola[1], Pedro Valdivia Prieto[1], Elena Rodas García-Riaño[1], Lucía García-San Miguel Rodríguez-Alarcón[1] [1] Coordinating Centre for Health Alerts and Emergencies (CCAES), Directorate-General for Public Health and Health Equity, Ministry of Health.
P-09	**Laboratory-based epidemiology of human rickettsia infections in Spain: microbiological diagnosis and species distribution, 2016–2024** Thalía Almendra Milagros Colmenares-Arce[1], Isabel Jado[2], Manuela Rodriguez-Vargas[2], Rosa María González-Martín-Niño[2], Elena María Andrés-Galván[2], Maria Teresa Llorente[2], Diana Gómez-Barroso[3], David González-Barrio[2] [1] University Healthcare Complex of Burgos. Burgos, Spain. [2] Reference and Research Laboratory for Special Pathogens, National Centre for Microbiology (CNM), Carlos III Health Institute (ISCIII), Madrid, Spain. [3] Department of Infectious Diseases. National Centre for Epidemiology. Carlos III Health Institute (ISCIII), Madrid, Spain.

Poster code	Title
P-10	**Monitoring vector-borne zoonotic diseases by means of horses as sentinels** José Ángel Hernández Malagón[1], Inês Isabel Abreu Ramos[1], María Vilá Pena1, Ludmila Burcáková[2], Inés Mato Naveira[3], Luis Melián Rodríguez[4], Cristiana Cazapal Monteiro[1], María Sol Arias Vázquez[1] [1] Grupo de Investigación COPAR (GI-2120; USC) - Departamento de Patoloxia Animal, Facultade de Veterinaria, Universidade de Santiago de Compostela, Lugo, Spain. [2] Institute of Parasitology, Slovak Academy of Sciences Laboratory of therapy of parasitic infections, Slovak Republic. [3] Dirección Xeral de Saúde Pública, Consellería de Sanidade, SERGAS, Xunta de Galicia. 15781-Santiago de Compostela, Galicia, Spain. [4] Medicina Interna, Complexo Hospitalario Universitario de Pontevedra. SERGAS, Xunta de Galicia, Spain.
P-11	**Establishing a harmonized and structured database for comprehensive metadata and whole-genome sequence data of *Coxiella burnetii* through an ENA umbrella project** Marcella Mori[1], Nadim Rahman[2], Elsa Jourdain[3], Julien Theze[3], Katja Mertens-Scholz[4], Remco Dijkman[5], Ana Hurtado[6], Stephen Fitzgerald[7], Rudolf Reichel[8,]Tom N McNeilly[7], Elodie Rousset[9] [1] Sciensano. [4] FLI. [7] Moredun. [2] European Nucleotide Archive. [5] RoyalGD. [8] APHA. [3] INRAE. [6] NEIKER. [9] ANSES.
P-12	**Whole genome sequencing improved understanding of genomic diversity in less common *Orientia tsutsugamushi* strains** Yeon-Joo Choi[1], Hyungsuk Kang[1], Misoon Kim1, Won-Jong Jang[1] [1] Department of Microbiology, School of Medicine, Konkuk University, Korea.
P-13	**First molecular evidence of *Rickettsia asembonensis* in fleas from Sardinia: epidemiological implications in the Mediterranean basin** Valentina Chisu[1], Laura Giua1, Rosanna Zobba[2], Giovanna Chessa[1], Giovanna Masala[1], Cipriano Foxi[1], Valentina Severini[1], Emanuela Bazzoni[2], Alberto Alberti[2] [1]ZS Sardegna. [2] Dipartimento di Medicina Veterinaria, UNISS.
P-14	**Metabolic and Immune Modulation of *Amblyomma americanum* Ticks by *Rickettsia bellii*** Jaylon Vaughn[1], Bo Lyu[1], Qisheng Song[1], Deborah Anderson[1] [1] University of Missouri - Columbia.

Poster code	Title
P-15	**The Tick Cell Biobank – generation of cell lines from insects and ticks along with their associated microorganisms** Catherine Hartley[1], Jing Jing Khoo[1], Alistair Darby[1], Lesley Bell-Sakyi[1], Benjamin Makepeace[1] [1] University of Liverpool.
P-16	**Src signaling is essential for *Anaplasma phagocytophilum* invasion and development** Mary Clark H. Lind[1], Travis J. Chiarelli[1], Andrew J. Nafziger[2], Daniel J. Stephenson[2], Charles E. Chalfant[3], Jason A. Carlyon[1] [1]Department of Microbiology and Immunology, Virginia Commonwealth University School of Medicine Department of Microbiology and Immunology, School of Medicine, Virginia Commonwealth University, Richmond, Virginia, USA. [2] Department of Medicine, Division of Hematology and Oncology, University of Virginia School of Medicine, Charlottesville, VA, USA. [3] University of Virginia and Central Virginia Veterans Affairs Health Care System, Richmond, Virginia, USA.
P-17	**Sequential equine passaging of *Anaplasma phagocytophilum* reveals transcriptomic changes associated with increased disease severity** Sultanah Alharthi[1], Sara Contente[2], Janet E. Foley[3], J. Stephen Dumler[2] [1] Vanderbilt University Medical Center. [2] Uniformed Services University. [3] University of California, Davis.
P-18	**Mechanisms of *Coxiella burnetii* Host Cell Egress** Sven Rinkel[1], Jan Schulze-Luehrmann[1], Fiona Weber[1], Elisabeth M. Liebler-Tenorio[2], Anja Lührmann[1] [1] Mikrobiologisches Institut, Universitätsklinikum Erlangen, Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany. [2] Friedrich-Loeffler-Institut, Institut für molekulare Pathogenese, Jena, Germany.
P-19	***Coxiella burnetii* effector CBU1198 inhibits JAK1 to downregulate interferon signaling during infection of alveolar macrophages** Anna Busbee[1], Nicholas Le[1], Erin Van Schaik[1], James Samuel[1] [1]Texas A&M College of Medicine.
P-20	***Coxiella burnetii* nuclear localized secreted effector, CBU0388 differentially modulates ERK1/2 pathway in a cell type dependent manner** Sabrina Clark[1], Zailey Flannery[1], Ralph Clark III[1], Aryan Sandadi[1], Anna Busbee[1], Erin van Schaik[1], James Samuel[1] [1]Texas A&M University Naresh K. Vashisht College of Medicine, Microbial Pathogenesis and Immunology Department, Bryan, TX, USA.

Poster code	Title
P-21	***Coxiella burnetii* effector Cig55 modulates the host DNA damage response** Lucie Chardon[1], Caroline Soulet[2], Maria Moriel Carretero[2], Eric Martínez[1] [1] Institut de Recherche en Infectiologie de Montpellier (IRIM), CNRS, UMR9004, Université de Montpellier. [2] Centre de Recherche en Biologie cellulaire de Montpellier (CRBM), CNRS UMR5237.
P-22	**Targeted mutagenesis generation of *Ehrlichia chaffeensis* mutants facilitating investigations of protein-disaggregation by a molecular chaperone, ClpB** Ian Stoll[1], Ying Wang[2], Roman Ganta[1] [1] University of Missouri-Columbia. [2] Kansas State University.
P-23	**The intracellular bacterium *Orientia tsutsugamushi* exploits exosomal and lipid-dependent pathways for cellular egress** Lea Fromm[1], Maria Steiger[1], Heiko Siegmund[2], Bernd Daller[1], Andreas Hiergeist[1], Tanja Ziesmann[3], Ute Distler[3], Christian Keller[1] [1] Institute of Medical Microbiology and Hygiene, University Hospital Regensburg, Germany. [2] Institute of Pathology, University Hospital Regensburg, Germany. [3] Institute for Immunology, Core Facility for Mass Spectrometry, University of Mainz, Germany.
P-24	**Highly sensitive recognition of viable *Orientia tsutsugamushi* via Toll-like receptor 7 by murine plasmacytoid dendritic cells** Lars André Jager[1], Lea Fromm[1], Jonas Mehl[2], Christian Keller[1] [1] Institute of Microbiology and Hygiene, University Hospital Regensburg, Germany. [2] Institute of Virology, Philipps-University Marburg, Germany.
P-25	**Genomic characterization of virulence genes as a predictor of pathogenicity in *Candidatus* Rickettsia colombiensis a member of spotted fever group rickettsia** Jorge Miranda[1], Andrea Cotes-Perdomo[2], Juan Echeverry-Pérez[3], Lyda Castro[4], Juan Uribe[5], Salim Mattar[1] [1] Instituto de Investigaciones Biológicas del Trópico, Universidad de Córdoba, Córdoba, Colombia. [2] Department of Natural Sciences and Environmental Health, Faculty of Technology, Natural Sciences and Maritime Sciences, University of South-Eastern, Norway. [3] Museo Nacional de Ciencias Naturales (MNCN-CSIC), Madrid, España. [4] Centro de Genética y Biología Molecular Universidad del Magdalena. [5] Postdoctoral Researcher at Department of Biosciences, University of Milan (UNIMI), Milan, Italy.
P-26	**Identification of *Rickettsia akari* Effector Candidates via Proteomics and Bioinformatics** Marco Quevedo Diaz[1], Frantisek Csicsay[1], Semen Kaliukanov[1] [1] Department of Rickettsiology, Institute of Virology, Biomedical Research Center of SAS, Bratislava, Slovakia.

Poster code	Title
P-27	**Benidipine Suppresses T Cell Activation Leading to Reduced *Rickettsia parkeri* Clearance and Increased Mortality** Jennifer Farner[1], Andrés Londoño1, Marlon Dillon[2], Dennis Grab[3], Yuri Kim1, Diana Scorpio[2], J. Stephen Dumler[3] [1] Henry M. Jackson Foundation. [2] National Institutes of Allergy and Infectious Diseases. [3] Uniformed Services University.
P-28	**Pathogen-Specific Immune Responses in Tick-Borne Rickettsial Infections Variably Require Signaling Through Voltage-Gated Calcium Channels** Andrés F Londoño[1], Jennifer M Farner[2], Marlon Dillon[3], Emily G Clemens[4], Dennis J Grab[4], Yuri Kim[4], Diana G Scorpio[5], J Stephen Dumler[4] [1] Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc., Bethesda, Maryland, USA. [2] Emerging Infectious Disease Graduate Program, School of Medicine, Uniformed Services University, Bethesda, Maryland, USA. [3] Vaccine Research Center, National Institutes of Allergy and Infectious Diseases, National Institute of Health, Bethesda, Maryland, USA. [4] Department of Pathology, School of Medicine, Uniformed Services University, Bethesda, Maryland, USA. [5] ENVOL Biomedical, Immokalee, Florida, United States of America.
P-29	**Resolving Rickettsial Riddles: Roles of Hypothetical Proteins in *Rickettsia akari*** Semen Kaliukanov[1], František Csicsay[1], Mario Janik[1], Marco Quevedo-Diaz[1] [1] Department of Rickettsiology, Institute of Virology, Biomedical Research Center of SAS, Bratislava, Slovakia.
P-30	**Lipidomics Signature in Post-Rickettsialpox Patient Sera** Frantisek Csicsay[1], Mario Janik[1], Semen Kaliukanov[1], Ludovit Skultety[1], Petra Chalova[2], Marco Quevedo Diaz[1] [1] Department of Rickettsiology, Institute of Virology, Biomedical Research Center of SAS, Bratislava, Slovakia. [2] Centre for Chemical and Molecular Analysis, University of Turku, Turku, Finland.
P-31	**Next-generation vaccine platforms against ticks and *Anaplasma phagocytophilum* using quantum vaccinomics and novel delivery systems (NOVATICK)** Marinela Contreras[1], Alberto Moraga Fernandez[1], Mar Gómez Marín[1], Rubén Fernández Melgar[1], Sudaxshina Murdan[2], César López Camacho[3] [1] SaBio, Institute for Game and Wildlife Research, IREC (CSIC-UCLM-JCCM), Ciudad Real, Spain. [2] UCL School of Pharmacy, 29-39 Brunswick Square, London, WC1N 1AX, United Kingdom. [3] Jenner Institute; Old Road Campus Research Building, University of Oxford, United Kingdom, OX3 7DQ, Oxford, UK.

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P-32	**Efficacy and Kinetics of an Inactivated Phase I *C. burnetii* Vaccine in Sheep Against various *Coxiella burnetii* Strains** Laidoudi Younes[1], Bedjaoui Samia[1], Davoust Bernard[1], Dauphin Gwenaëlle[2], Pinho Pedro[2], Gisbert Philippe[2], Fournier Pierre-Edouard[1] [1]IHU Méditerranée Infection, RITMES (Risques infectieux tropicaux et microorganismes émergents), Aix Marseille Université (AMU), Assistance Publique-Hôpitaux de Marseille (APHM), Service de Santé des Armées (SSA), Marseille, France. [2] Ceva Sante Animale, Libourne, France.
P-33	**Vaccine candidate proteins of *Orientia tsutsugamushi* protect mice in lethal model of scrub typhus** Patricia Crocquet-Valdes[1], Krit Jirakanwisal[1], Elijah Arenas[1], Nicole Mendell[1], David Walker[1] [1]University of Texas Medical Branch.
P-34	**Toward overcoming scrub typhus strain-restricted immunity: assessment of the TSA56 and humoral contributions** Nicole Mendell[1], Patricia Crocquet-Valdes[1], Krit Jirakanwisal[1], Elijah Arenas[1], Donald Bouyer[1], David Walker[1] [1]The University of Texas Medical Branch.
P-35	**Host- and tick-associated replication dynamics of *Rickettsia conorii* and inhibition by carbon quantum dot photodynamic inactivation** Eva Špitalská[1], Yevheniy Yuliy Peresh[1], Sona Považanová[1], Pavlína Bartíková[1], Lenka Minichová[2], Ludovít Škultéty[2], Zdenko Špitalský[3] [1]Biomedical Research Center SAS, Institute of Virology, Bratislava, Slovakia. [2] Institute of Microbiology, Czech Academy of Sciences, Praha, Czech Republic; Institute of Virology, Biomedical Research Center, Slovak Academy of Sciences, Bratislava, Slovakia. [3] Polymer Institute SAS, Bratislava, Slovakia.
P-36	***Rickettsia rickettsii*- specific neutralizing antibodies targeting immunogenic proteins involved in the vaccine protection against canine Rocky** D Sajani Peiris[1], Perle Latre de Late[1], Roman Ganta[1] [1] Department of Pathobiology and Integrative Biomedical Sciences, Bond Life Sciences Center, College of Veterinary Medicine, Bond Life Sciences Center, University of Missouri, Columbia, MO, USA.

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P-37	**Q fever children osteomyelitis in children : case report and review of 27 patients** Maxime Colson[1] Chloé Ribet[2] Julie Bernardor[3] Yazid Ijabi[1] Florence Fenollar[1] Pierre-Edouard Fournier[1] Matthieu Million[1] Sophie Edouard[1] [1] Institut Hospitalo-Universitaire (IHU) Méditerranée Infection, Assistance Publique-Hôpitaux de Marseille, Marseille, France. [2] Pediatric general Department, Lenval Children Hospital Nice, Nece, France. [3] Pediatric rhumatology department L'Archet Hôpital Nice, Nice, France.
P-39	**Factor h-Fc as an immunotherapeutic for *Rickettsia*** Suzanne Schaer[1], Jinyi C. Zhu[1], Marissa Elassal[1], Y Tran[2], Keith Wycoff[2], Sean Riley[1] [1] Department of Veterinary Medicine, University of Maryland-College Park, Maryland, USA. [2] Planet Biotechnology Inc., California, USA.

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P-40	**Cat scratch disease in adults from the northern area of Pontevedra (2017-2024)** Luis Melián Rodríguez[1], Lucía Pasarín López[2], Matilde Trigo Daporta[2], Juan Carlos García García[1] [1] Internal Medicine Department. Pontevedra University Hospital Complex. Pontevedra. Galicia. Spain. [2] Microbiology Department.Pontevedra University Hospital Complex. Pontevedra. Galicia. Spain.
P-41	**Aseptic meningitis as an atypical presentation of cat scratch disease: a case report** Elia Fernández Pedregal[1], Gema Fernández Rivas[2], Tessa Katherina Vela-López[3], Gemma Llados- Bertrán[2], Shantall Dulin-Gallegos[3], René Ricardo Campos-Perez[4], Aleix Bachs-Esteban[3], Roger Paredes Deiros1, Silvia Roure Diez[1] [1] Hospital Universitario Germans Trias i Pujol - Badalona (Spain), PROSICS (International Health Program) Badalona (Spain), Fundació Lluita contre les infeccions Badalona (Spain),Universidad Autónoma de Barcelona (Spain) . [2] Hospital Universitario Germans Trias i Pujol - Badalona (Spain), Universidad Autónoma de Barcelona (Spain). [3] Hospital Universitario Germans Trias i Pujol - Badalona (Spain) . [4] Complejo Hospitalario Metropolitano Dr Arnulfo Arias Madrid.
P-42	**Infection by *Rickettsia sibirica mongolitimonae* in southeastern Spain: clinical evidence without vector confirmation** José Manuel Ramos-Rincón[1], Isabel Escribano[1], Hector Pinargote[1], Pilar García-de-la-Aleja[1], Silvia Otero1, Sonia Santibáñez[2], Aránzazu Portillo[2], Juan Carlos Rodriguez[1], Esperanza Merino[1] [1]Hospital General Universitario Dr. Balmis, Alicante. [2] Center of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectius Diseases Department, San Pedro University Hospital-Center for Biomedical Research (CIBIR), Logroño, Spain.
P-43	**DEBONEL in Northwestern Spain: Two Clinical Cases Associated with *Dermacentor marginatus* in Galicia.** Luis Melián Rodríguez[1], Sara Astor Molero[1], Cristina Cervera-Acedo[2], Sonia Santibáñez[2], María Sol Arias Vázquez[3], Paula Santibáñez[2], Ana M. Palomar[2], Aránzazu Portillo[2], Jose A.Oteo[2], Juan Carlos García García[1] [1] Medicina Interna. Complexo Hospitalario Universitario de Pontevedra. [2] Center of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectius Diseases Department, San Pedro University Hospital-Center for Biomedical Research (CIBIR), Logroño, Spain. [3] Fac. Veterinaria. USC.

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P-44	**Ulceroglandular tularaemia due to crayfish handling in a family : a report of two cases** Elia Fernández-Pedregal[1], Jose Ramón Santos-Fernández[2], Pere Joan Cardona Iglesias[3], Lluis Valerio[4], Xavier Valles[5], Laura Soldevila[1], Roger Paredes[1], Silvia Roure Díez[1] [1] Hospital Universitario Germans Trias i Pujol - Badalona (Spain), PROSICS (International Health Program) Badalona (Spain), Fundació Lluita contre les infeccions Badalona (Spain),Universidad Autónoma de Barcelona (Spain) . [2] Hospital Universitario Germans Trias i Pujol - Badalona (Spain), Fundació lluita contre les infeccions Badalona (Spain) . [3] Hospital Universitario Germans Trias i Pujol - Badalona (Spain), Universidad Autónoma de Barcelona (Spain). [4] PROSICS (International Heatlh Program) - Badalona (Spain) - Badalona (Spain), Universidad Autónoma de Barcelona (Spain) . [5] PROSICS (International Health Program) Badalona (Spain), Fundació lluita contra les infeccions Badalona (Spain).
P-45	**Two cases of successful treatment of co-and super-infection with West Nile virus in patients with Lyme Borreliosis in Ukraine** Vitalii Ianchenko[1], Olga Hryptulova[2] [1] Ukraine's armed forces, chief of unit's medical service. [2] Infectious disease department of the Smilyansky City Hospital SMR.
P-46	***Chlamydia psittaci:* systematic review of epidemiology, clinical aspects and outcome of individual cases** JV Vanat[1], A Delfino[1], C Jaques[1], G Greub[1] [1] Diagnostic Microbiology Laboratories-Infectious Diseases Department, Institute of Microbiology, CHUV-University of Lausanne, Switzerland.
P-47	**Selective whole-genome sequencing of *Coxiella burnetii* directly from clinical samples using nanopore adaptive sampling** Remco Dijkman[1], Théo Tricou[2], Medelin Ocejo[3], Kimberley Janssen-Dekker1, Beatriz Oporto[3], Stephen Fitzgerald[4], Julien Theze[2], Marcella Mori[5], Sue Neale[6], Katja Mertens-Scholz[7], Katharina Reisp[8], Aurélie Couesnon[9], Tom N. McNeilly[4], René van den Brom[1], Ana Hurtado[3] [1] Royal GD, PO Box 9, 7400 AA Deventer, The Netherlands. [2] INRAE, France National Research Institute for Agriculture, Food and Environment, Saint-Genès-Champanelle, France. [3] NEIKER - Basque Institute for Agricultural Research and Development, Animal Science Department, Basque Country, Spain. [4] Moredun Research Institute, Bush Loan, EH26 0PZ Penicuik, United Kingdom [5] Sciensano, Belgian Institute for Health, 1050 Brussels Belgium [6] Animal and Plant Health Agency, Penrith Veterinary Investigation Centre, Merrythought, Calthwaite, Calthwaite, United Kingdom. [7] Friedrich-Loeffler Institut, Naumburger Str., 96a, 07743 Jena, Germany [8] Division for Animal Health, Austrian Agency for Health and Food Safety (AGES), Mödling, Austria. [9] ANSES, Laboratory of Sophia Antipolis, Les Templiers, 105 Route des Chappes, 06410 Biot, France.

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P-48	***Coxiella burnetii*** **epidemiology and infection in Navarre in 2025** Guillermo Martínez-Carrión[1], Itsaso Jiménez-Galar[1], Anabel Alvaro[1], María Eugenia Portillo[1] [1] Department of Clinical Microbiology, University Hospital of Navarra. Institute of health research (IdiSNA), Pamplona, Spain.
P-49	**Molecular detection and genotyping of *Coxiella burnetii* in questing and feeding ticks in Spain: implications for the epidemiology of Q fever** Judit Gil-Zamorano[1], Raúl Contreras-Ferro[1], Jorge Martin-Trueba[1], María Vilá[2], María Sánchez-Sánchez[3], Miguel Ángel Habela[4], Sergio Magallanes[5], Patricia Sánchez-Mora[6], Rafael Gutiérrez-López, Raúl Cuadrado-Matías[7], Daniel Cifo[8], Nélida Fernández Pato[9], Maria Teresa Llorente[10], Isabel Jado[10], David González-Barrio[10] [1] Reference and Research Laboratory for Special Pathogens, National Centre for Microbiology (CNM), Carlos III Health Institute (ISCIII), Madrid, Spain. [2] Department of Animal Health, Complutense University of Madrid, Faculty of Veterinary Medicine, Madrid, Spain. [3] National Institute for Agricultural and Food Research and Technology (CSIC-INIA), Madrid, Spain. [4] Department of Animal Health, Faculty of Veterinary Medicine, University of Extremadura, Cáceres, Spain. [5] Department of Conservation Biology and Global Change, Estación Biológica de Doñana (EBD), CSIC, Sevilla, Spain. [6] Laboratory of Arboviruses and Imported Viral Diseases. National Centre for Microbiology (CNM), Carlos III Health Institute (ISCIII), Madrid, Spain. [7] Instituto de Investigación en Recursos Cinegéticos (IREC-CSIC), Ciudad Real, Spain. [8] Madrid Primary Care Research Unit, Madrid Health Service (SERMAS), Madrid, Spain. [9] Faculty of Veterinary Medicine, University of Alfonso X el Sabio (UAX), Villanueva de La Cañada, Madrid, Spain. [10] Reference and Research Laboratory for Special Pathogens, National Centre for Microbiology (CNM), Carlos III Health Institute (ISCIII), Madrid, Spain.
P-50	**Improving ELISA batch validation using simulation-based calibration criteria: application to Q fever serology** Laureline Rivière[1], Marie-Laure Delignette Muller[2], Thibaut Lurier[3], Elodie Rousset[4] [1] Université Clermont Auvergne, INRAE, VetAgro Sup, UMR EPIA, Saint-Genès-Champanelle 63122, France; Université de Lyon, INRAE, VetAgro Sup, UMR EPIA, Marcy l'Etoile 69280, France; Universite Claude Bernard Lyon 1, LBBE, UMR 5558, CNRS, VetAgro Sup, Villeurbanne 69622, France; ANSES, Sophia Antipolis Laboratory, Animal Q fever Unit, Sophia Antipolis, France. [2] Universite Claude Bernard Lyon 1, LBBE, UMR 5558, CNRS, VetAgro Sup, Villeurbanne 69622, France. [3] Université Clermont Auvergne, INRAE, VetAgro Sup, UMR EPIA, Saint-Genès-Champanelle 63122, France; Université de Lyon, INRAE, VetAgro Sup, UMR EPIA, Marcy l'Etoile 69280, France. [4] ANSES, Sophia Antipolis Laboratory, Animal Q fever Unit, Sophia Antipolis, France.

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P-51	**Q fever surveillance across countries: system typologies and shared priorities for improvement** Elodie Rousset[1], Marcella Mori[2] [1] ANSES, Laboratoire de Sophia Antipolis, Unité fièvre Q animale, 06902 Sophia Antipolis. [2] Sciensano, Belgian Institute for Health, Brussels, Belgium.
P-52	**International advisory meetings for complex pathologies** JRobert Horvath[1], Arístides de Alarcón González[2], Nesrin Ghanem-Zoubi[3], Pierre-Edouard Fournier[3], Chantal P. Rovers[3], John Sedgwick[1], Stephen Graves[3], Ben Bauer[7], Kanthi Vemuri[1], Mbakise Matebele[1] [1] The Prince Charles Hospital, Queensland Health-Pathology Queensland, University of Queensland-Infective endocarditis Queensland (ieQ)-Australasian Collaboration in Endocarditis (ACE), Brisbane, Australia. Q fever interest group (QFIG) Brisbane, Australia. [2] Unidad Clínica de Enfermedades Infecciosas, Microbiología y Parasitología (UCEIMP)-Grupo de Resistencias bacterianas y antimicrobianos CIBERINFEC-Instituto de Biomedicina de Sevilla (IBiS)-Hospital Universitario Virgen del Rocío/CSIC/Universidad de Sevilla, Sevilla, España. Q fever interest group (QFIG) Brisbane, Australia. [3] Institute of Infectious Diseases, Rambam Health Care Campus-The Ruth and Bruce Rappaport Faculty of Medicine, Technion, Israel Institute of Technology, Haifa, Israel. Q fever interest group (QFIG) Brisbane, Australia. [4] French reference center for rickettsioses, Q fever and bartonelloses, IHU Mediterranee Infection, Marseille, France. Q fever interest group (QFIG) Brisbane, Australia. [5] Radboud University medical centre, Nijmegen, the Netherlands. Q fever interest group (QFIG) Brisbane, Australia. [6] Founder and Director Australian Rickettsial Reference Laboratory, Geelong, Australia. Australasian Collaboration in Endocarditis (ACE)-Q fever interest group (QFIG) Brisbane, Australia. [7] University of Calgary, Faculty Veterinary Medicine, Calgary, Canada. Q fever interest group (QFIG) Brisbane, Australia.
P-53	***Coxiella burnetii* genotypes in ruminants from a Caribbean area in Colombia: An underestimated risk for public health?** Verónica Contreras[1], Alfonso Calderon[1], Marco Gonzalez[1], Ana M. Palomar[3], Aránzazu Portillo[3], Jose A. Oteo[3], Liliana Sánchez-Lerma[3], Yesica López[1], Salim Máttar[1] [1] Instituto de Investigaciones Biológicas del Trópico, IIBT, Universidad de Córdoba, Montería, Córdoba, Colombia. [2] Center of Rickettsioses and Arthropod-Borne Diseases (CRETAV), Department of Infectious Diseases, Hospital Universitario San Pedro-CIBIR, Logroño, La Rioja, Spain. [3] Universidad Cooperativa de Colombia, Facultad de Medicina, GRIVI, Sede Villavicencio. Colombia.

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P-54	**An outbreak of Q fever linked to rural tourism, Spain** Cristina Cervera-Acedo[1], Paula Santibáñez[1], Sonia Santibáñez[1], Ana M. Palomar[1], Lara García-Álvarez[1], Eva Martínez-Ochoa[2], Jorge Alba[1], Valvanera Ibarra[1], Ione Villar[1], Aránzazu Portillo[1], José A. Oteo[1] [1] Center of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectious Diseases Department, San Pedro University Hospital-Center for Biomedical Research (CIBIR), Logroño, Spain. [2] Deputy Regional Ministry of Health and Socio-Health Policies, Government of La Rioja, Logroño, Spain.
P-55	**Detection of *Coxiella* endosymbionts in American mink from Spain** Ana M. Palomar[1], Aránzazu Portillo[1], Asunción Gómez[2], Madis Põdra2, Paula Santibáñez[1], Sonia Santibáñez[1], Cristina Cervera-Acedo[1], Javier Pinedo[2], David Lacanal[2], Diego Tricio[1], José A. Oteo[1] [1] Center of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectious Diseases Department, San Pedro University Hospital-Center for Biomedical Research from La Rioja (CIBIR), Logroño, Spain [2] Division of Environmental Services, Tragsatec, Madrid, Spain
P-56	***Rickettsia massiliae* Infection: 20 years of experience in the CRETAV** Santibañez S[1], Santibañez P[1], Cervera-Acedo C[1], Palomar AM[1], García-García JC[2], Rodríguez C[3], Portillo A[1], Oteo JA[1] [1] Center of Rickettsiosis and Arthropod-Borne Diseases (CRETAV), Infectious Diseases Department, San Pedro University Hospital-Center for Biomedical Research from La Rioja (CIBIR), Logroño, Spain. [2] Internal Medicine Department. Pontevedra Universitary Hospital Complex. Pontevedra, Spain [3] Pediatrics Department.La Guindalera Primary Care Center, Logroño, Spain.
P-57	**Mite-Borne *Rickettsia* spp. and Orientia tsutsugamushi from Montane Bats in Taiwan** Amy Ho[1], Kun-Hsien[1] [1] Institute of Environmental and Occupational Health Sciences, National Taiwan University, Taipei, Taiwan.
P-58	**Deciphering Evolutionary Landscape and trajectories of *Orientia tsutsugamushi* in Central India through Molecular Epidemiology and Phylogenetic Reconstruction Analysis.** Prof. (Dr) Shashank Purwar[1], Jogender Yadav[1], Dr. Jyoti Kant Choudhary[1], Dr. Priyal Gupta[1], Dr. Preeti Gupta[2] [1] All India Institute of Medical Sciences, Bhopal. India. [2] L N medical College Bhopal. India·

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P-59	**Molecular and Serological Detection of *Rickettsia tillamookensis* and Rickettsia species phylotype G022 and in Small Mammals** Oh Byung Kwon[1], Megan Saunders[2], Greg Hacker[2], Jianmin Zhong[1] [1] Cal Poly Humboldt. [2] California Department of Public Health.
P-60	**Serological Survey of Tick-Borne Pathogens in Slovakia with Detection of *Rickettsia helvetica* specific Antibodies** Lenka Minichová[1], Zuzana Sekeyová[2], Eva Špitalská[2], Katarína Palkovicová[2], Sophie Edouard[3], Ludovít Škultéty[1], Pierre Edouard Fournier[3] [1] Institute of Microbiology, Czech Academy of Sciences, Praha, Czech Republic; Institute of Virology, Biomedical Research Center, Slovak Academy of Sciences, Bratislava, Slovakia. [2] Institute of Virology, Biomedical Research Centre, Slovak Academy of Sciences, Bratislava, Slovakia. [3] French reference center for rickettsioses, Q fever and bartonelloses, IHU Mediterranee-Infection, AP-HM, Aix Marseille Univ, RITMES, Marseille, France.
P-61	**Rickettsioses in Poland: From Past to Present – where do we stand in 2026?** Anna Moniuszko-Malinowska[1], Joanna Oklińska[1], Tomasz Chmielewski[2] , Beata Fiecek[2] , Piotr Czupryna[1], Karol Borawski[1] , Justyna Adamczuk[1] , Wioletta Pawlak-Zalewska[1], Justyna Dunaj-Małyszko[1], Ewelina Kruszewska[1], Sambor Grygorczuk[1] , Gabriela Trojan[1] , Maciej Kondrusik[1] , Maciej Giecko[1], Joanna Zajkowska[1] [1] Department of Infectious Diseases and Neuroinfections, Medical University of Bialystok, Zurawia 14, 15-540 Bialystok, Poland [2] PZH – PIB Department of Parasitology and Vector-Borne Diseases, National Institute of Public Health NIH – National Research Institute.
P-62	**Survey for tick-borne pathogens in Amazonian ixodid ticks, Brazil** Francisco Flávio Vieira de Assis[1], Felipe Jorge[2], Lina Binder[2], Matheus Pasini-Martins[2], Igor Silito[2], Bruna da Costa Gama[2], Antonio Humberto Minervino[1], Marcelo Labruna[2] [1] Universidade Federal do Oeste do Pará. [2] Faculty of Veterinary Medicine and Animal Science, University of São Paulo.

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P-63	**Clinical spectrum and severity-associated factors of murine typhus in the Canary Islands: findings from a prospective cohort** Mónica Vélez Tobarias[1], Ana María Torres Vega[1], Julio Morais Martín[1], José Antonio Pérez[2], Guillem Clot[3], Emma Carmelo[2], Carlos Ascaso Terrén[1] [1] Department of Internal Medicine, University Hospital of La Palma, La Palma, Spain. Translational Medicine and Research, Faculty of Medicine and Health Sciences, University of Barcelona, Barcelona, Spain. [2] University Institute of Tropical Diseases and Public Health of the Canary Islands (IUETSPC), University of La Laguna, La Laguna, Spain. . [3] Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain. Department of Basic Clinical Practice, University of Barcelona, Barcelona, Spain.
P-64	**Spatial distribution and territorial patterns of Q fever and murine typhus in La Palma and El Hierro** Mónica Vélez Tobarias[1], Ana María Torres Vega[2], Julio Morais Martín[1] [1] Department of Internal Medicine, University Hospital of La Palma, La Palma, Spain. [2] Department of Internal Medicine, Hospital Insular Ntra. Sra. de los Reyes (HINSR), Valverde, El Hierro, Spain.
P-65	***Rickettsia* Diversity and Unconventional Tick–Pathogen Associations in the Iberian Peninsula** Leonardo Moerbeck[1], Inês Abreu Ramos[2], José Ángel Hernández Malagón[2], Ricardo Parreira[1], Gonçalo Seixas[1], Rita Velez[3], Lucía Villaverde Veiras[4], María Sol Arias Vázquez[2], Ana Domingos[1], Sandra Antunes[1] [1] Global Health and Tropical Medicine, GHTM, LA-REAL, Instituto de Higiene e Medicina Tropical, IHMT, Universidade NOVA de Lisbon, Lisboa, Portugal. [2] Grupo de Investigación COPAR (GI-2120; USC) - Departamento de Patoloxia Animal, Facultade de Veterinaria, Universidade de Santiago de Compostela, Lugo, Spain. [3] Center of Interdisciplinary Research in Animal Health (CIISA), Faculty of Veterinary Medicine, University of Lisbon, Lisbon, Portugal. [4] Servicio de Salud Ambiental, Dirección Xeral de Saúde Pública, Consellería de Sanidade, Xunta de Galicia, Santiago de Compostela, A Coruña, Spain.
P-66	**Eco-epidemiological modeling of *Rickettsia* spp. in ticks from wild ungulates in Mediterranean ecosystems** Alberto Moraga-Fernández[1], Marta Sánchez-Sánchez[1], María de Sousa-Blanco[1], Bianca M. Molina[1], Alisa Aliaga-Samanez[1] [1] Instituto de Investigación en Recursos Cinegéticos (IREC), Spain.

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P-67	**Detection of Rickettsia *aeschlimannii* in *Hyalomma* Ticks Collected through Citizen Science in Poland** Wiktoria Romanek[1], Dorota Dwuznik-Szarek[1], Anna W. Myczka[2], Mohammed AlSarraf[1], Dagmara Wezyk[1], Wiktoria Malaszewicz[1], Clemence Galon[3], Sara Moutailler[3], Anna Bajer[1] [1] Department of Eco-Epidemiology of Parasitic Diseases, Institute of Developmental Biology and Biomedical Sciences, Faculty of Biology, University of Warsaw, Warsaw, Poland. [2] Department of Molecular Biology and Genetics, Institute of Biological Sciences, Cardinal Stefan Wyszynski University in Warsaw (UKSW), Warsaw, Poland. [3] Anses, INRAE, Ecole Nationale Vétérinaire d'Alfort, UMR BIPAR, Laboratoire de Santé Animale, Maisons-Alfort, France.
P-68	**Seroprevalence of Spotted Fever Group Rickettsiae: A Serosurvey Across Three Islands of the Cape Verde Archipelago, 2025** Silvânia Leal[1], Clara Lima, Celiviane Sousa[1], Lara Baptista[2], Hélida Pires[1], Angela Pina[3], Luzia Gonçalves[4], Rita De Sousa[5] [1] Cape Verde National Institute of Public Health. [2] International association Co-Vets. [3] General Directorate of Agriculture, Forestry and Livestock. [4] Z-stat4life. [5] National Institute of Health Dr. Ricardo Jorge.
P-69	**Preliminary characterization of *Rickettsia* spp. in *Rhipicephalus* and *Dermacentor* questing ticks from Galicia (NW Spain)** Inês Isabel Abreu Ramos[1], Júlia dos Santos Fonseca[2], Génesis Andrea Bautista García[1], Paula Mariño Faro[1], David Boso Dafonte[1], Matheus Dias Cordeiro[2], José Ángel Hernández Malagón[1], Silvia Suárez Luque[3], Luis Melián Rodríguez[4], Huarrison Azevedo Santos[2], Jackson Víctor de Araújo[5], María Sol Arias Vázquez[1] [1] Grupo de Investigación COPAR (GI-2120; USC) - Departamento de Patoloxia Animal, Facultade de Veterinaria, Universidade de Santiago de Compostela, Lugo, Spain. [2] Departamento de Epidemiologia e Saúde Pública, Universidade Federal Rural do Rio de Janeiro (UFRRJ), Seropédica, RJ, Brazil. [3] Consellería de Sanidade, Dirección Xeral de Saúde Pública (DXSP), SERGAS, Xunta de Galicia, Santiago de Compostela, A Coruña, Spain. [4] Medicina Interna, Complexo Hospitalario Universitario de Pontevedra. SERGAS, Xunta de Galicia, Spain. [5] Departmento de Veterinária, Universidade Federal de Viçosa (UFV), Viçosa-MG, 36570-900, Brasil.

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P-70	**Identification of Ecosystems at Risk for Human Rickettsioses in Eastern France** Stynen J[1], C Barthel[1], Grau M[2], Kotzyba J[3], Baux E[3], Hansmann Y[3], N Boulanger[1] [1] UR3073: PHAVI: groupe Borrelia, University of Strasbourg, France. [2] Centre d'épidémiologie et de santé publique des armées (CESPA), Marseille, France. [3] Tick vector disease reference center of Eastern France, Infectious Disease Department, Nancy hospital, France.
P-71	**Molecular investigation of tick-borne pathogens in questing *Ixodes ricinus* larvae in the Central Pyrenees (Spain)** Sofía Soares[1], Laura Tomassone[2], Elena Grego[2], Javier Millán[3] [1] Instituto Agroalimentario de Aragón-IA2 (Universidad de Zaragoza-CITA), Zaragoza, Spain. [2] Department of Veterinary Sciences, University of Turin, Largo Paolo Braccini 2, 10095 Grugliasco, TO, Italy. [3] Instituto Agroalimentario de Aragón-IA2 (Universidad de Zaragoza-CITA), Zaragoza, Spain; Fundación ARAID, Avda. Ranillas 1, 50018, Zaragoza, Spain.
P-72	***Anaplasma* spp. in domestic and wild small ruminants in northern Iberian Peninsula: high *Anaplasma phagocytophilum* prevalence and firs *Anaplasma capra* detection in sheep** Patricia Vázquez[1], Patirke Ibarrondo-Mendiola[1], Xeider Gerrikagoitia[1], Jesús F. Barandika1, Marta Barral[1], Aitor Cevidanes[1] [1] Animal Science Department, NEIKER - Basque Institute for Agricultural Research and Development, Bizkaia, Basque Country, Spain.
P-74	***Brucella* antibiotic susceptibility testing: Impact of culture media and readout conditions** Raquel Peña Villafruela[1], Arantza Caballero Jaurrieta[1], Miriam Salvador Bescós[1], Amaia Zúñiga Ripa[1], Raquel Conde Álvarez[1] [1] Department of Microbiology and Parasitology, Navarra Institute for Health Research (IdiSNA), University of Navarra, Pamplona, Spain.
P-75	**Serological analysis of rickettsiosis in Navarre during 2025** Guillermo Martínez-Carrión[1], Itsaso Jiménez-Galar[1], Anabel Alvaro[1], María Eugenia Portillo[1] [1] Department of Clinical Microbiology, University Hospital of Navarra. Institute of health research (IdiSNA), Pamplona, Spai[n.]

Poster code	Title
P-76	**Iron Limitation-Induced Modulation of Transcription in *Chlamydia trachomatis*** Daniel Rodriguez Rozo[1], Simone E. Adams[1], Carole Kebbi-Beghdadi[1], Trestan Pillonel[1], Sébastien Aeby[1], Gilbert Greub[1] [1] Intitute of Microbiology, Lausanne University Hospital and University of Lausanne, Lausanne, Switzerland.
P-77	**Co-infection of human host cells with *Chlamydia trachomatis* and *Waddlia chondrophila*** Daniel Rodriguez Rozo[1], Simone E. Adams[1], Carole Kebbi-Beghdadi[1], Gilbert Greub[1] [1] Lausanne University Hospital.
P-78	**In vivo analysis of chlamydial infection using zebrafish larvae** Basma Elkamouny[1], Kinki Jim[1], Sebastien Aeby[1], Gilbert Greub[1] [1] Institute of Microbiology, Lausanne University Hospital and University of Lausanne, Lausanne, Switzerland.

Appendix
Oral Communications 1, 2

Oral Communications 1 (within the Coxiella Session) June 18, 2026 at 17:15 PM

OC-01	**Characterization of *Coxiella burnetii* persistence** Anja Lührmann. Mikrobiologisches Institut, Uniklinikum Erlangen, FAU Universität Erlangen-Nürnberg, Erlangen, Germany.
OC-02	**Stepwise evolution of vertebrate pathogenicity in *Coxiella burnetii*** Rahul Raghavan. Department of Molecular Microbiology and Immunology, The University of Texas at San Antonio, San Antonio, Texas, USA.
OC-03	**Monoculture biofilm formation of the intracellular pathogen *Coxiella burnetii*** Jonathan Shikany. Laboratory of Bacteriology, Division of Intramural Research, National Institute of Allergy and Infectious Disease, National Institutes of Health, Hamilton, Montana, USA.
OC-04	***Coxiella burnetii* effector Vice manipulates host ESCRT machinery and sEVs cargo** Manon Le Fé. Institut de Recherche en Infectiologie de Montpellier (IRIM), CNRS, Université de Montpellier, Montpellier, France.
OC-05	***Coxiella burnetii* Nine Mile II lipopolysaccharide elongation in multiple models** Kathleen Pierce. Laboratory of Bacteriology, Division of Intramural Research, National Institutes of Health, National Institute of Allergy and Infectious Disease, Hamilton, Montana, USA.
OC-06	**Innovative approach for rapid anti-microbial susceptibility testing of *Coxiella burnetii* in axenic media using scanning electron microscopy** Rita Abou Abdallah. IHU Méditerranée Infection-Aix Marseille Univ, AP-HM, SSA, RITMES, Marseille, France.

Oral Communications 2 · June 19, 2026 at 12:30 PM

OC-07	**Transformation and allelic exchange in *Orientia tsutsugamushi*** Paige E. Allen. Department of Microbiology and Immunology, Virginia Commonwealth University Medical Center, School of Medicine, Richmond, Virginia, USA.
OC-08	***Tisiphona cimicicola* gen. nov. sp. nov.: first in vitro isolation and biological characterization of a Torix group Rickettsia** Clément Labarrere. IHU-Méditerranée Infection-Microbes Evolution Phylogeny and Infections (MEPHI), Aix-Marseille Université, AP-HM, Marseille, France.
OC-09	**Metagenomic Analysis of Ehrlichia chaffeensis and E. *ewingii in Amblyomma americanum*** Gregory A. Dasch. Rickettsia Unlimited LLC., Stone Mountain, Georgia, USA.
OC-10	**Itch-induced tick removal is a common neuroimmunological defense response against ixodid ticks in guinea pigs** Johannes S. P. Doehl. Vector Molecular Biology Section, Laboratory of Malaria and Vector Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, Maryland, USA.
OC-11 A	**The risk of acquiring a tick-borne disease in cities across Spain. Does it exist?** Arantza Portillo. Center of Rickettsiosis and Arthropod-Borne Diseases. Infectious Diseases Department. San Pedro University Hospital-Center for Biomedical Research of La Rioja (HUSP-CIBIR), Logroño, Spain.
OC-11 B	**Machine Learning Models for Predicting Tick Occurrence in Urban Parks in Spain** Juan Fernandez-Recio. Instituto de Ciencias de la Vid y del Vino (ICVV), CSIC-Universidad de La Rioja-Gobierno de La Rioja, Logroño, Spain.

Oral Communications 3 · (within the *Chlamydia* Session) June 19, 2026 at 14:45 PM

OC-12	**Iron Limitation-Induced Modulation of Transcription in *Chlamydia trachomatis*** Daniel Rodriguez. Institute of Microbiology, Lausanne University Hospital and Lausanne University, Lausanne, Switzerland.
OC-13	**Deciphering the Non-Canonical Endocytic Trafficking of *Chlamydia trachomatis:* A Rab14-Dependent Pathway** Evgeniya Save-Trofimenko. Department of Biomedical Sciences, University of Lausanne, Lausanne, Switzerland.
OC-14	**Host cell permissiveness and intracellular trafficking of *Chlamydia vaughanii*** Basma Elkamouny. Institute of Microbiology, Lausanne University Hospital and Lausanne University, Lausanne, Switzerland.

Oral Communications 4 · June 19, 2026 at 17:15 PM

OC-15	**Effectiveness of a formaldehyde-inactivated *Coxiella burnetii* autogenous vaccine for the control of coxiellosis in dairy goats on an endemic farm in Australia** Charuni D. Arachchilage. School of Medicine, Deakin University, The Australian Rickettsial Reference Laboratory, Geelong, Victoria, Australia.
OC-16	**The Initial Immune Response in Human Skin to *Coxiella burnetii* Inactivated Whole Cell Vaccines** Haley Bridgewater. Laboratory of Bacteriology, Division of Intramural Research, National Institutes of Health, National Institute of Allergy and Infectious Disease, Hamilton, Montana, USA.
OC-17	**Rational Design of a Chimeric Subunit Vaccine for Broad Protection Agains *Ehrlichia*** Tian Luo. Department of Pathology, University of Texas Medical Branch, Galveston, Texas, USA.
OC-18	**The AnkA effector protein of *Anaplasma phagocytophilum* directly subverts the host cytoskeleton via the Wave Regulatory Complex and actin manipulation** Hannah Burge. Bristol Veterinary School, University of Bristol, Bristol, UK.
OC-19	**What Makes Ticks Tick: Tyrosine Phosphorylation of the *Anaplasma phagocytophilum* Vector Specific T4SS Effector, AteA** Kelly A. Brayton. Department of Veterinary Microbiology and Pathology, Washington State University, Pullman, Washington, USA.
OC-20	**Nuclear Invaders: *Rickettsia parkeri* invades human nuclei through enormous protrusions using a novel secreted effector** Hannah K. Margolis. Department of Biology, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA.
OC-21	**Polar genome organization emerges as a determinant of actin-based motility in *Rickettsia parkeri*** Dezmond Cole. The Department of Molecular Biology and Genetics, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA.

Oral Communications 5 · June 20, 2026 at 10:00 PM

OC-22	**Acute Undifferentiated febrile Illness in the West Arsi Zone, Ethiopia: Hidden Etiologies and Emerging Vectors from a One-Health Perspective** Eva Gutiérrez. Hospital Universitario Fundación Jiménez Díaz, Madrid, Spain.
OC-23	**Rickettsiosis is the Leading Cause of Acute Undifferentiated Fever in Western Uganda: A Prospective Health Facility-based Study to** Andrew V. Kirabo. Section of Epidemiology, University of Zurich, Zurich, Switzerland.
OC-24	**Spatiotemporal analysis of Mediterranean spotted fever in Spain, 2016-2024** Thalía A.M. Colmenares-Arce. University Healthcare Complex of Burgos, Burgos, Spain.
OC-25	**'Giant tick' attacks, *Hyalomma lusitanicum* and *Rickettsia sibirica mongolitimonae* in southern France, 2022–2025.** Philippe Parola. Institut Hospitalo-Universitaire Méditerranée Infection, Marseille, France.
OC-26	**Zoonotic implication of *Coxiella burnetii* infection from ticks, livestock to close contact employees in seven regions of China mainland** Zongyang Huang. College of Veterinary Medicine, China Agricultural University, Beijing, China.
OC-27	***Anaplasma phagocytophilum* co-infection in patients with tick-borne encephalitis** Sambor Grygorczuk. Department of the Infectious Diseases and Neuroinfections, Medical University in Białystok, Białystok, Poland.
OC-28	**Targeting repeated regions of the *Orientia tsutsugamushi* genome for the acute diagnosis of scrub typhus** Carlo Perrone. Mahidol Oxford Tropical Medicine Research Unit, Bangkok, Thailand/Centre for Tropical Medicine and Global Health, Nuffield Department of Medicine, University of Oxford, Oxford, UK.

Oral Communications 6 · (within the *Bartonella* Session) June 20, 2026 at 11:30 PM

OC-29	**Genotypic diversity, phylogenetic relationships and interaction networks of *Bartonella* in cave bats and their streblid flies in northeastern Brazil** Marcos André. Vector-Borne Bioagents Laboratory (VBBL), Faculty of Agrarian and Veterinary Sciences, São Paulo, Brazil.
OC-30	**Bats: a melting pot for *Bartonella* (and other pathogens): new species from Africa** Oleg Mediannikov. IHU-Méditerranée Infection, IRD, Aix-Marseille Université, Marseille, France.