

9th International Conference on Tularemia
Montréal, Canada
October 16 – 19, 2018

Breakfast, for those staying at the Best Western Ville-Marie, daily from ~ 6:30 – 8:00 AM

All meeting sessions will be at the Centre Mont-Royal.

Lunch will be provided for attendees at the Centre Mont-Royal.

Afternoon poster sessions will include light refreshments and one hour open bar, then cash bar.

Date and Time	Session	Session Co-Chairs / Speakers and Affiliation
Tuesday, October 16		
17:00 – 19:30 18:00	Welcome Reception at McGill Faculty Club , sponsored by: Paul G. Allen <i>School for Global Animal Health at Washington State University</i> Keynote address J. Wayne Conlan, NRC–Canada President, TULISOC (K-1) Biothreat Agents: Weapons of Mass Distraction?	
Wednesday, October 17		All meeting sessions will be in the Centre Mont-Royal - Salon Cartier (I & II)
8:30 – 11:50	Session 1: Host Response and Immunity	Co-chairs: Catharine Bosio, RML, NIAID/NIH, USA Thomas Henry, CIRI, INSERM, France
8:30 – 8:40	Katy Bosio, Rocky Mountain Laboratories, NIAID/NIH, USA Session and Topic Overview	
8:40 – 9:00	Klara Kubelkova, University of Defence, Faculty of Military Health Sciences <i>Francisella</i> inside the cell: implications for innate immune recognition of intracellular bacteria (S1-1)	
9:00 – 9:20	Joshua Casulli, University of Manchester, United Kingdom CD200R limits the neutrophil niche for <i>Francisella tularensis</i> infection (S1-2)	
9:20 – 9:40	Forrest Jessop, Rocky Mountain Laboratories, NIAID/NIH, USA Virulent but not attenuated <i>Francisella tularensis</i> resists IFN- γ dependent antimicrobial responses through manipulation of host macrophage mitochondrial function (S1-3)	
9:40 – 10:00	Thomas Henry, CIRI, INSERM, France Novel insights into inflammasomes responses to <i>Francisella</i> (S1-4)	
10:00 – 10:30	Coffee Break	
10:30 – 10:50	Karen Elkins, CBER/FDA <i>Francisella</i> -immune T lymphocytes do not alter intramacrophage bacterial trafficking but limit replication and cell-to-cell spread of <i>F. tularensis</i> LVS (S1-5)	
10:50 – 11:10	Lydia Roberts, Rocky Mountain Laboratories, NIAID/NIH, USA (S1-6) Temporal and functionally distinct roles for resident and circulating T cells during vaccine-mediated protection against tularemia	

11:10 – 11:30	Girish Kirimanjeswara, Penn State University Macrophage selenoproteins restrict intracellular replication of <i>Francisella tularensis</i> (S1-7)	
11:30 – 11:50	Jérôme Nigou, Université de Toulouse, France Evaluation of the therapeutic potential of an anti-inflammatory mannodendrimer in a mouse model of <i>Francisella tularensis</i> infection (S1-8)	
11:50 – 12:30	Poster pitches for Poster Session #1 Chair, Petra Oyston, DSTL, United Kingdom	
12:30 – 13:15 13:15 – 14:00	Lunch at the Centre Mont-Royal - Salon International (I & II) TULISOC Meeting Chair, Wayne Conlan, TULISOC President	
14:00 – 16:30	Session 2: Vaccines	Co-chairs: Karl Klose, Univ. Texas-San Antonio, USA Terry Wu, Univ. of New Mexico, USA Helena Lindgren, University of Umea, Sweden
14:00 – 14:10	Terry Wu, University of New Mexico, USA Session and Topic Overview	
14:10 – 14:30	Doug Reed, University of Pittsburgh, USA Small particle aerosols of <i>Francisella tularensis</i> ; characterization and optimization to support pivotal animal efficacy studies (S2-1)	
14:30 – 14:50	Roberto De Pascalis, CBER/FDA, USA Evaluation of the Ft-ΔClpB vaccine using working immune correlates predicts protection against <i>Francisella</i> challenge (S2-2)	
14:50 – 15:10	Petra C.F. Oyston, DSTL, United Kingdom A protective subunit vaccine against tularaemia: delivery of antigens by glucan particles induces protection in rats (S2-3)	
15:10 – 15:30	Chandra Shekhar Bakshi, New York Medical College, USA Evaluation of a plug and play approach for the development of multi-antigen subunit vaccines (S2-4)	
15:30 – 15:50	Xhavit Zogaj, The University of Texas at San Antonio, USA Engineering OAg ^{FTT} expression in <i>F. novicida</i> (S2-5)	
15:50 – 16:10	Sherry Kurtz, CBER/FDA, Silver Spring, USA Options in the United States for licensing new biological products for rare infectious diseases (S2-6)	
16:10 – 16:30	Robert House, Ology Bioservices, Frederick, USA Making the Cut: Considerations for Moving Candidates from Discovery to Advanced Development (S2-7)	
16:30 – 18:30	Poster Session #1, with refreshments P1-01 – P1-42	

Thursday, October 18	
8:30 – 12:00	<p>Session 3: <i>Pathogenesis and Cell Biology</i></p> <p>Co-chairs: Lee-Ann Allen, University of Iowa, USA Marina Šantić, University of Rijeka, Croatia</p>
8:30 – 8:40	Marina Šantić, University of Rijeka, Croatia Session and Topic Overview
8:40 – 9:05	Lee-Ann Allen, University of Iowa, USA <i>F. tularensis</i> -infected neutrophils are Trojan Horses for macrophage infection (S3-1)
9:05 – 9:30	Briana Zellner, University of Toledo, USA A <i>Francisella tularensis</i> LD-carboxypeptidase is required for virulence (S3-2)
9:30 – 9:55	Jason Huntley, University of Toledo, USA The <i>Francisella tularensis</i> γ -glutamyl cyclotransferase is required for virulence (S3-3)
9:55 – 10:25	Coffee Break
10:25 – 10:50	Jiri Stulik, Faculty of Military Health Sciences, Czech Republic Inactivation of <i>Francisella tularensis</i> gene encoding putative flippase has a pleiotropic effect upon production of various glycoconjugates: evidence for Pila protein modification by O-antigen (S3-4)
10:50 – 11:15	Hannah Ledvina, University of Washington School of Medicine, USA A phosphatidylinositol 3-kinase effector alters phagosomal trafficking to promote intracellular growth of <i>Francisella</i> (S3-5)
11:15 – 11:40	Peter Benziger, Stony Brook University, USA Identifying virulence factors secreted by <i>Francisella tularensis</i> during infection (S3-6)
11:40 – 12:05	Joseph Horzempa, West Liberty University, USA Hidden in plain erythrocyte (S3-7)
12:05 – 12:45	Poster pitches for Poster Session #2 Chair, Jeannine Petersen, CDC, USA
12:45 – 13:45	Lunch at the Centre Mont-Royal - Salon International (I & II)
13:45 – 16:00	<p>Session 4: <i>Bacteriology and Gene Regulation</i></p> <p>Co-chairs: Petra Oyston, DSTL, United Kingdom Simon Dove, Harvard University, USA</p>
13:45 – 13:55	Simon Dove, Harvard University, USA Session and Topic Overview
13:55 – 14:20	Maj Brodmann, University of Basel, Switzerland The role of the dynamic Type VI Secretion System in <i>Francisella</i> virulence (S4-1)
14:20 – 14:45	Tyler Goralski, Pennsylvania State University, USA Plan B: Identifying a backup ribosome rescue system in <i>Francisella tularensis</i> (S4-2)

Thursday, October 18, Continued	
14:45 – 15:10	David Thanassi, Stony Brook University, USA Metabolic control of outer membrane vesicle and tube formation by <i>Francisella novicida</i> (S4-3)
15:10 – 15:35	Patricia Renesto, CHU Grenoble Alpes, Université Grenoble Alpes, France Structural and functional analysis of a putative lysine decarboxylase found in <i>Francisella</i> spp. (S4-4)
15:35 – 16:00	Meenakshi Malik, Albany College of Pharmacy and Health Sciences Understanding the mechanisms of oxidative stress responses and virulence of <i>Francisella tularensis</i> LVS (S4-5)
16:00 – 18:00	Poster Session #2, with refreshments P2-01 – P2-40
Friday, October 19	
8:30 – 12:00	Session 5: Human Infection and Treatment Co-chairs: Max Maurin, Univ. Grenoble-Alpes, France Anders Sjöstedt, Umeå University, Sweden
8:30 – 8:40	Max Maurin, CHU Grenoble Alpes, Université Grenoble Alpes, France Session and Topic Overview
8:40 – 9:05	Roland Grunow, Robert Koch Institute, Germany An uncommon outbreak of tularemia after a wine grape harvest in fall 2016, Germany, and molecular identification of the outbreak 'strain' as well as of the source of infection (S5-1)
9:05 – 9:30	Christina Nelson, Centers for Disease Control and Prevention, USA Transmission of <i>Francisella tularensis</i> by solid organ transplantation (S5-2)
9:30 – 9:55	Yvan Caspar, CHU Grenoble Alpes, Université Grenoble Alpes, France Tularemia in France: a ten-year overview and unusual clinical aspects (S5-3)
9:55 – 10:25	Coffee break
10:25 – 10:50	Claire Siebert, CHU Grenoble Alpes, Université Grenoble Alpes, France Mutations targeting the FupA/B lipoprotein of <i>F. tularensis</i> LVS exposed to ciprofloxacin open a new way for fluoroquinolone resistance linked to OMV secretion and biofilm formation (S5-4)
10:50 – 11:15	Monique van Hoek, George Mason University, USA Antimicrobial peptides against <i>Francisella tularensis</i> (S5-5)
11:15 – 11:40	Deanna Schmitt, West Liberty University, USA Identification of potential targets of resazomycins, a novel family of antibiotics against <i>Francisella tularensis</i> (S5-6)
11:40 – 12:00	Elizabeth Dietrich, Centers for Disease Control and Prevention Complete genome sequences and comparative analysis of the novel pathogen <i>Francisella opportunistica</i> (S5-7)

Friday, October 19, Continued		
12:00 – 13:00	Lunch at the Centre Mont-Royal - Salon International (I & II)	
13:00 – 16:00	Session 6: Epidemiology and Ecology	Chair: Kiersten Kugeler, Centers for Disease Control and Prevention, USA Raquel Escudero, Instituto de Salud Carlos III, Spain
13:00 – 13:20	Mats Forsman, University of Umea, Sweden Session and Topic Overview	
13:20 – 13:40	Luke Kingry, Centers for Disease Control and Prevention, USA Whole genome sequencing of <i>F. tularensis</i> from cultivable and non-cultivable sources to identify the origin of human cases of tularemia (S6-1)	
13:40 – 14:00	Maëllys Kevin, Université Paris-Est/ANSES, France Whole-genome sequencing and molecular approaches for epidemiological surveillance and tracking of tularemia in France (S6-2)	
14:00 – 14:20	Isabel Lopes de Carvalho, National Institute of Health, Portugal Genome-scale comparison of <i>Francisella tularensis</i> strains isolated in an endemic region of Spain (S6-3)	
14:20 – 14:50	Coffee Break	
14:50 – 15:10	David Sundell, Swedish Defence Research Agency, FOI, Sweden Complete <i>Francisella genomes</i> generated by nanopore sequencing directly from human and animal clinical specimens (S6-4)	
15:10 – 15:30	David Wagner, Northern Arizona University, USA Type A.II strains of <i>Francisella tularensis</i> are quite capable of causing human disease and may be dispersed by wind and persist in the environmental in a quiescent state (S6-5)	
15:30 – 15:50	Natalie Kwit, Vermont Department of Health, USA Northern trajectory of human tularemia — United States, 1965–2014 (S6-6)	
18:30 – 21:30	Tularemia 2018 Banquet Awards, Future Meeting Plans, and Closing Program <i>Vieux Port Steakhouse, Old Montreal</i>	