

# Publications – CRIPA -2016

## Publication avec comité de lecture

---

- Abrahamyan L (2016). « Authors' response. Abrahamyan L, Pechlivanoglou P, Krahn M, Carrasco-Labra A, Brignardello-Petersen R, Glick M, Guyatt GH, Azarpazhooh A », J Am Dent Assoc., vol. 147, no 1, p. 6-7
- Archambault M (2016). « Comparison of an alcohol-based hand rub and water-based chlorhexidine gluconate scrub technique for hand antisepsis prior to elective surgery in horses. da Silveira EA, Bubeck KA, Batista ER, Piat P, Laverty S, Beauchamp G, Archambault M, Elce Y », Can Vet J., vol. 57, no 2
- Auray G, Lachance C, Wang Y, Gagnon C, Segura M et Gottschalk MG (2016). « Transcriptional Analysis of PRRSV-Infected Porcine Dendritic Cell Response to *Streptococcus suis* Infection Reveals Up-Regulation of Inflammatory-Related Genes Expression. », PLoS One, vol. 11, no 5, p. e0156019
- Azelmat J, Grenier D et Voyer N (2016). « Anti-inflammatory properties of quebecol and its derivatives. Cardinal S, J Azelmat, D Grenier, N Voyer. », Biorg. Med.Chem. Lett, vol. 26, p. 440-444
- Atia A, Fliss I et Subirade M (2016). « A prebiotic matrix for encapsulation of probiotics: physicochemical and microbiological study. Atia A, Gomaa A, Fliss I, Beyssac E, Garrait G, Subirade M », J Microencapsul., vol. 33, no 1, p. 89-101
- Beaudry F (2016). « Early cathepsin K degradation of type II collagen in vitro and in vivo in articular cartilage. Osteoarthritis and Cartilage. J.S. Mort, F. Beaudry, K. Théroux, A. A. Emmott, H. Richard, W. D. Fisher, E. R. Lee, A. R. Poole and S. Laverty »
- Beaudry F (2016). « Characterization of Substance P processing in mouse spinal cord S9 fractions using high-resolution Quadrupole-Orbitrap mass spectrometry. Saidi M, Kamali S, Beaudry F. », Peptides., vol. S0143-4179
- Beaudry F (2016). « Concurrent validity of different functional and neuroproteomic pain assessment methods in the rat osteoarthritis monosodium iodoacetate (MIA) model. Otis C, Gervais J, Guillot M, Gervais JA, Gauvin D, Péthel C, Authier S, Dansereau MA, Sarret P, Martel-Pelletier J, Pelletier JP, Beaudry F, Troncy E. », Arthritis Res Ther., vol. 18, p. 150
- Beaudry F (2016). « Physiological and pharmacokinetic effects of multilevel caging on Sprague Dawley rats under ketamine-xylazine anesthesia. Dodelet-Devillers A, Zullian C, Beaudry F, Gourdon J, Chevrette J, Hélie P, Vachon P. », Exp Anim.
- Beaudry F (2016). « Pharmacokinetics of bupivacaine after intraperitoneal administration to cats undergoing ovariohysterectomy. Benito J, Monteiro BP, Beaudry F, Lavoie AM, Lascelles BD, Steagall PV. », Am J Vet Res., vol. 77, no 6, p. 641-645
- Beaudry F (2016). « Physiological, pharmacokinetic and liver metabolism comparisons between 3-, 6-, 12- and 18-month-old male Sprague Dawley rats under ketamine-xylazine anesthesia. Giroux MC, Santamaria R, Hélie P, Burns P, Beaudry F, Vachon P. », Exp Anim., vol. 65, no 1, p. 63-75
- Beaudry F (2016). « Characterization of endoproteolytic processing of dynorphins by proprotein convertases using mouse spinal cord S9 fractions and mass spectrometry. Orduna AR, Beaudry F. », Peptides, vol. 57, p. 85-94
- Beaudry F (2016). « Assessment of stability of ketamine-xylazine preparations with or without acepromazine using high performance liquid chromatography-mass spectrometry. Dodelet-Devillers A, Zullian C, Vachon P, Beaudry F. », Can J Vet Res., vol. 80, no 1, p. 86-89
- Bekal S, Harel J et al. (2016). « A Fatal Case of Necrotizing Fasciitis Caused by a Highly Virulent Escherichia coli Strain. Bekal S, Vincent A, Lin A, Harel J, Côté JC, Tremblay C. », Can J Infect Dis Med Microbiol., vol. 2796412

Bellehumeur C, Boyle B et Gagnon C (2016). « Herpesviruses including novel gammaherpesviruses are widespread among phocid seal species in Canada. C. Bellehumeur, O. Nielsen, L. Measures, L. Harwood, T. Goldstein, B. Boyle and C.A. Gagnon. », J Wildlife Diseases, vol. 52, no 1, p. 70-81

Ben Lagha A et Grenier D (2016). « Black tea theaflavins attenuate *Porphyromonas gingivalis* virulence properties, modulate gingival keratinocyte tight junction integrity and exert anti-inflammatory activity. », Arch Oral Biol.

Benoit-Biancamano MO et al. (2016). « Inhibition of Islet Amyloid Polypeptide (IAPP) Aggregation and Associated Cytotoxicity by Non-steroidal Anti-Inflammatory Drugs (NSAIDs). J. Fortin et al. », Canadian Journal of Physiology and Pharmacology., vol. 94, no 1, p. 35-48

Bleau C et Lamontagne LM (2016). « Toll-like receptor (tlr)-2 exacerbates murine acute viral hepatitis. Bleau C, Burnette M, Filliol A, Piquet-Pellorce C, Samson M, Lamontagne L. », Immunology

Bleau C, Filliol A, Samson M et Lamontagne LM (2016). « Mouse hepatitis virus infection induces a TLR-2 dependent activation of inflammatory functions in liver sinusoidal endothelial cells during acute hepatitis. », J. Virol.

Boulianne M, Arsenault J, Daigneault D, Archambault M, Letellier A et Dutil L (2016). « Drug use and antimicrobial resistance among *Escherichia coli* and *Enterococcus* spp. isolates from chicken and turkey flocks slaughtered in Quebec, Canada. », Can J Vet Res., vol. 80, no 1, p. 49-59

Boyle B et Charette S (2016). « Next-generation sequencing (NGS) in the microbiological world: How to make the most of your money. Vincent AT, Derome N, Boyle B, Culley AI, Charette SJ. », J Microbiol Methods.

Charlebois A, Prescott J, Jacques M et Archambault M (2016). « Comparative transcriptomic analysis of *Clostridium perfringens* biofilm and planktonic cells. », Avian Pathology, vol. 20, p. 1-27

Cheikh-Rouhou M, Karelis A, St-Pierre D et Lamontagne LM (2016). « Adverse effects of weight loss : are persistent organic pollutants a potential culprit ? », Diabetes Metab., vol. S1262-3636, no 16, p. 30418-30419

Clarke D, Letendre C, Lecours MP, Lemire P et Segura M (2016). « Group B Streptococcus Induces a Robust IFN- $\beta$  Response by CD4(+) T Cells in an In Vitro and In Vivo Model. Clarke D, Letendre C, Lecours MP, Lemire P, Galbas T, Thibodeau J, Segura M. », J Immunol Res.

Del Castillo J (2016). « Analgesic efficacy of an oral transmucosal spray formulation of meloxicam alone or in combination with tramadol in cats with naturally occurring osteoarthritis. Monteiro BP, Klinck MP, Moreau M, Guillot M, Steagall PV, Edge DK, Pelletier JP, Martel-Pelletier J, Gauvin D, Del Castillo JR, Troncy E. », Vet Anaesth Analg

Denoncourt A, Paquet V, Sedighi A et Charette S (2016). « Identification of Proteins Associated with Multilamellar Bodies Produced by *Dictyostelium discoideum*. », PLoS One

Drolet R, Hélie P et D'Allaire S (2016). « Pathology of ear hematomas in swine. », J Vet Diagn Invest.

Duchaine C et Létourneau V (2016). « Endotoxins in indoor air and settled dust in different indoor environments — A review. Heidi Salonen, Caroline Duchaine, Valérie Létourneau, Mandana Mazaheri, Sirpa Laitinen, Sam Clifford, Raimo Mikkola, Sanna Lappalainen, Kari Reijula, Lidia Morawska », Atmospheric Environment

Duchaine C (2016). « Assessing Microbial Decontamination of Indoor Air With Particular Focus on Human Pathogenic Viruses. American Journal of Infection Control »

Espinosa I et Gottschalk MG (2016). « Antimicrobial Activity of Penicillin G and N-acetylcysteine on Planktonic and Sessile Cells of *Streptococcus suis*. Espinosa I, Báez M, Lobo E, Martínez S, Gottschalk M. », Pol J Microbiol., vol. 65, no 1, p. 105-109

- Faucher S (2016). « The CpxRA Two-Component System Contributes to *Legionella pneumophila* Virulence. Tanner JR, Li L, Faucher SP, Brassinga AK », Mol Microbiol.
- Fliss I (2016). « Digestibility and prebiotic properties of potato rhamnogalacturonan I polysaccharide and its galactose-rich oligosaccharides/oligomers. Khodaei N, Fernandez B, Fliss I, Karboune S », Carbohydr Polym., vol. 136, p. 1074-1084
- Fliss I et al. (2016). « Efficacy of oxidizing disinfectants at inactivating murine norovirus on ready-to-eat foods. Girard M, Mattison K, Fliss I, Jean J. », Int J Food Microbiol.
- Fournier J, Morin MP et Grenier D (2016). « Green tea catechins potentiate the effect of antibiotics and modulate adherence and gene expression in *P. gingivalis*. », Arch Oral Biol, vol. 65, p. 35-43
- Gabriele-Rivet V, Ogden N, Massé A, Lindsay L, Leighton P, Arsenault J et al. (2016). « ECO-EPIZOOTIOLOGIC STUDY OF FRANCISELLA TULARENSIS, THE AGENT OF TULAREMIA, IN QUÉBEC WILDLIFE. Gabriele-Rivet V, Ogden N, Massé A, Antonation K, Corbett C, Dibernardo A, Lindsay LR, Leighton PA, Arsenault J. », J Wildl Dis.
- Gabriele-Rivet V, Fairbrother JH, Tremblay D, Harel J, Côté N et Arsenault J (2016). « Prevalence and risk factors for *Campylobacter* spp., *Salmonella* spp., *Coxiella burnetii*, and Newcastle disease virus in feral pigeons (*Columba livia*) in public areas of Montreal, Canada. », Canadian journal of veterinary research, Revue canadienne de recherche veterinaire., vol. 80, no 1, p. 80-85
- Gagnon C, Allard V et al. (2016). « Canine parvovirus type 2b is the most prevalent genomic variant strain found in parvovirus antigen positive diarrheic dog feces samples across Canada. », Can Vet J., vol. 57, no 1, p. 29-31
- Gauthier-Lévesque L, Bonifait L, Turgeon N, Veillette M, Perrott P, Grenier D et Duchaine C (2016). « Impact of serotype and sequence type on the preferential aerosolization of *Streptococcus suis*. », BMC Res Notes, vol. 9, no 1, p. 273
- Gottschalk MG et al. (2016). « Screening of virulence-associated genes as a molecular typing method for characterization of *Streptococcus suis* isolates recovered from wild boars and pigs. Sánchez del Rey V, Fernández-Garayzábal JF, Domínguez L, Gottschalk M, Vela AI. », Vet J., vol. 209, p. 108-112
- Gottschalk MG et al. (2016). « Genetic diversity of *Streptococcus suis* serotype 2 isolated from pigs in Brazil. Doto DS, Moreno LZ, Calderaro FF, Matajira CE, de Moura Gomes VT, Ferreira TS, Mesquita RE, Timenetsky J, Gottschalk M, Moreno AM. », Can J Vet Res., vol. 80, no 2, p. 106-111
- Gottschalk MG et Oishi K (2016). « Development of a Multiplex PCR Assay to Detect the Major Clonal Complexes of *Streptococcus suis* Relevant to Human Infection. Hatrongjit R, Kerdsin A, Gottschalk M, Hamada S, Oishi K, Akeda Y. », J Med Microbiol.
- Goyette-Desjardin G, Calzas C, Shiao TC, Neubauer A, Kemper J, Roy R, Gottschalk MG et Segura M (2016). « Protection Against *Streptococcus suis* Serotype 2 Infection Using a Capsular Polysaccharide Glycoconjugate Vaccine. », Infect Immun., vol. 84, no 7, p. 2059-2075
- Gracie C, Tronnet S, Garénaux A, McCarthy A, Brachmann A, Pénáry M, Houle S, Nougayrède J, Piel J, Taylor P, Dozois CM, Genevaux P, Oswald É et Martin P (2016). « The stress-responsive Hsp90 chaperone is required for the production of the genotoxin colibactin and the siderophore yersiniabactin by *Escherichia coli*. », J Infect Dis
- Grenier D et al. (2016). « Identification and characterization of a *Streptococcus equi* ssp. *zooepidemicus* immunogenic GroEL protein involved in biofilm formation. Yi L, Wang Y, Ma Z, Lin HX, Xu B, Grenier D, Fan HJ, Lu CP. », Vet Res., vol. 47, no 1, p. 50
- Grenier D (2016). « The Daiokanzoto (TJ-84) Kampo Formulation Reduces Virulence Factor Gene Expression in *Porphyromonas gingivalis* and Possesses Anti-Inflammatory and Anti-Protease Activities. Fournier-Larente J, Azelmat J, Yoshioka M, Hinode D, Grenier D. », PLoS One, vol. 11, no 2, p. e0148860

Grenier D (2016). « Green tea catechins potentiate the effect of antibiotics and modulate adherence and gene expression in *Porphyromonas gingivalis*. Fournier-Larente J, Morin MP, Grenier D. », Arch Oral Biol., vol. 65, p. 35-43

Guay F et Saucier L (2016). « Effects of plant extracts and essential oils as feed supplements on quality and microbial traits of rabbit meat. Koné, A.P., Cinq-Mars, D., Desjardins, Y., Guay, F., Gosselin, A., Saucier, L. », World Rabbit Sci., vol. 24, p. 107-119

Guyomard-Rabenirina S, Malespine J, Ducat J, Sadikalay S, Falord M, Harrois D, Richard V, Dozois CM, Breurec S et Talarmin A (2016). « Temporal trends and risks factors for antimicrobial resistant Enterobacteriaceae urinary isolates from outpatients in Guadeloupe. », BMC Microbiol., vol. 16, no 1, p. 121

Haas B et Grenier D (2016). « Impact of Sub-Inhibitory Concentrations of Amoxicillin on *Streptococcus suis* Capsule Gene Expression and Inflammatory Potential. », Pathogens, vol. 5, no 2

Hathroubi S, Jacques M et al. (2016). « Biofilms: Microbial shelters against antibiotics. Hathroubi, S., M.A. Mekni, P. Domenico, D. Nguyen, and M. Jacques », Microbial Drug Resistance

Hathroubi S, Beaudry F, Provost C, Martelet L, Segura M, Gagnon C et Jacques M (2016). « Impact of *Actinobacillus pleuropneumoniae* biofilm mode of growth on the lipid A structures and stimulation of immune cells. », Innate Immun., vol. 22, no 5, p. 353-362

Houle S, Dozois CM et al. (2016). « Comprehensive analysis of flagellin glycosylation in *Campylobacter jejuni* NCTC 11168 reveals incorporation of legionaminic acid and its importance for host colonization. Zebian N, Merkx-Jacques A, Pittock PP, Houle S, Dozois CM, Lajoie GA, Creuzenet C », Glycobiology, vol. 26, no 4, p. 386-397

Ismail SA, Prasher DSO et Chénier M (2016). « Evaluation of biochar soil amendments in reducing soil and water pollution from fecal coliforms in poultry manure. », Canadian Biosystems Engineering Journal

Ispas-Szabo P, Friciu Mihaela M et Mateescu MA (2016). « Novel self-assembled mesalamine-sucralfate complexes: preparation, characterization, and formulation aspects. Ispas-Szabo P, Friciu MM, Nguyen P, Dumoulin Y, Mateescu MA. », Drug Dev Ind Pharm., vol. 42, no 7, p. 1183-1193

Jacques M, Labrie J et Guerrero Barrera AL (2016). « Auxotrophic *Actinobacillus pleuropneumoniae* grows in multispecies biofilms without the need for nicotinamideadenine dinucleotide (NAD) supplementation. Loera-Muro A, Jacques M, Avelar-González FJ, Labrie J, Tremblay YD, Oropeza-Navarro R, Guerrero-Barrera AL. », BMC Microbiol., vol. 16, no 1, p. 128

Jahanbakhsh SR, Smith MG, Letellier A, Trott D et Fairbrother JM (2016). « Dynamics of extended-spectrum cephalosporin resistance in pathogenic *Escherichia coli* isolated from diseased pigs in Quebec, Canada. », Int J Antimicrob Agents, vol. 48, no 2, p. 194-202

Jahanbakhsh SR, Letellier A et Fairbrother JM (2016). « Circulating of CMY-2  $\beta$ -Lactamase gene in weaned pigs and their environment in a commercial farm and the effect of feed supplementation with a clay mineral. », J Appl Microbiol., vol. 48, no 2, p. 194-202

Leclerc JM, Quevillon EL, Houde Y, Paranjape K, Dozois CM et Daigle F (2016). « Regulation and production of Tcf, a cable-like fimbriae from *Salmonella enterica* serovar Typhi. », Microbiology, vol. 162, no 5, p. 777-788

Le Bihan G, Emond-Rheault JG, Garrivier A, Harel J et Jubelin G (2016). « Vitamin B12 Uptake by the Gut Commensal Bacteria *Bacteroides thetaiotaomicron* Limits the Production of Shiga Toxin by Enterohemorrhagic *Escherichia coli*. Cordonnier C, Le Bihan G, Emond-Rheault JG, Garrivier A, Harel J, Jubelin G. », Toxins (Basel)., vol. 8, no 1, p. E14

Longpré J, Fairbrother JM, Fravalo P, Arsenault J, Lebel P, Laplante B, Surprenant C, Massé D et Letellier A (2016). « Impact of mash feeding versus pellets on propionic/butyric acid levels and on total load in the gastrointestinal tract of growing pigs. », J Anim Sci., vol. 94, no 3, p. 1053-1063

- Malouin F et al. (2016). « Structural and Kinetic Characterization of Diazabicyclooctanes as Dual Inhibitors of Both Serine- $\beta^2$ -Lactamases and Penicillin-Binding Proteins. King AM, King DT, French S, Brouillette E, Asli A, Alexander JA, Vuckovic M, Maiti SN, Parr TR Jr, Brown ED, Malouin F, Strynadka NC, Wright GD. », ACS Chem Biol., vol. 11, no 4, p. 864-868
- Maluta RP et Fairbrother JM (2016). « Antimicrobial Resistance and Virulence Factors of Escherichia coli in Cheese Made from Unpasteurized Milk in Three Cities in Brazil. Ribeiro LF, Barbosa MM, Pinto FR, Maluta RP, Oliveira MC, Souza V, Medeiros MI, Borges LA, Amaral LA, Fairbrother JM. », Foodborne Pathog Dis.
- Mateescu MA et al. (2016). « The fungicide thiabendazole causes apoptosis in rat hepatocytes. Séide M, Marion M, Mateescu MA, Averill-Bates DA. », Toxicol In Vitro., vol. 32, p. 232-239
- Michel P et Ogden N (2016). « Evidence for Host-Genotype Associations of Borrelia burgdorferi Sensu Stricto. Mechai S, Margos G, Feil EJ, Barairo N, Lindsay LR, Michel P, Ogden NH. », PLoS One., vol. 11, no 2, p. e0149345
- Ogden N et al. (2016). « Response to letter regarding article "How far north are migrant birds transporting the tick Ixodes scapularis in Canada? Insights from stable hydrogen isotope analyses of feathers". Ogden NH, Barker IK, Francis CM, Heagy A, Lindsay LR, Hobson KA. », Ticks Tick Borne Dis., vol. 7, no 2, p. 329-330
- Ogden N, Michel P et al. (2016). « Distribution of Ticks and the Risk of Lyme Disease and Other Tick-Borne Pathogens of Public Health Significance in Ontario, Canada. Clow KM, Ogden NH, Lindsay LR, Michel P, Pearl DL, Jardine CM. », Vector Borne Zoonotic Dis., vol. 16, no 4, p. 215-222
- Ogden N (2016). « A Dynamic Population Model to Investigate Effects of Climate and Climate-Independent Factors on the Lifecycle of Amblyomma americanum (Acari: Ixodidae). Ludwig A, Ginsberg HS, Hickling GJ, Ogden NH. », J Med Entomol., vol. 53, no 1, p. 99-115
- Ogden N (2016). « Linkages of Weather and Climate With Ixodes scapularis and Ixodes pacificus (Acari: Ixodidae), Enzootic Transmission of Borrelia burgdorferi, and Lyme Disease in North America. Eisen RJ, Eisen L, Ogden NH, Beard CB. », J Med Entomol., vol. 53, no 2, p. 250-261
- Ogden N et al. (2016). « Toll-like receptor cascade and gene polymorphism in host-pathogen interaction in Lyme disease. Rahman S, Shering M, Ogden NH, Lindsay R, Badawi A. », J Inflamm Res, vol. 9, p. 91-102
- Ouellet M, Charette S et Lévesque RC (2016). « Molybdate transporter ModABC is important for Pseudomonas aeruginosa chronic lung infection. Périnet S, Jeukens J, Kukavica-Ibrulj I, Ouellet MM, Charette SJ, Levesque RC. », BMC Res Notes., vol. 9, no 23
- Ouellet M, Charette S et Lévesque RC (2016). « Molybdate transporter ModABC is essential for Pseudomonas aeruginosa chronic lung infection. Périnet S., Jeukens J., Kukavica-Ibrulj I., Ouellet M.M., Charette S.J. and Levesque R.C. », BMC Res Notes, vol. 9, p. 23
- Paquet V et Charette S (2016). « Amoeba-resisting bacteria found in multilamellar bodies secreted by Dictyostelium discoideum: social amoebae can also package bacteria. », FEMS Microbiol Ecol, vol. 92, no 3
- Porcheron G, Schouler C et Dozois CM (2016). « Survival games at the dinner table: regulation of Enterobacterial virulence through nutrient sensing and acquisition. Porcheron G, Schouler C, Dozois CM. 2016 Feb », Curr Opin Microbiol., vol. 30, p. 98-106
- Price NL, Goyette-Desjardin G, Nothaft H, Valguarnera E, Szymanski CM, Segura M, Feldman M et al. (2016). « Glycoengineered Outer Membrane Vesicles: A Novel Platform for Bacterial Vaccines. », Sci Rep., vol. 6, p. 24931
- Rhouma M, Beaudry F, Thériault WP, Bergeron N, Beauchamp G, Laurent-Lewandowski S, Fairbrother JM et Letellier A (2016). « In vivo therapeutic efficacy and pharmacokinetics of colistin sulfate in an experimental model of enterotoxigenic Escherichia coli infection in weaned pigs. », Vet Res., vol. 47, no 1, p. 58
- Rhouma M, Beaudry F et Letellier A (2016). « Resistance to colistin: what is the fate for this antibiotic in pig production? », Int J Antimicrob Agents, vol. 48, no 2, p. 119-126

- Roy R et al. (2016). « Synthesis of Dense and Chiral Dendritic Polyols Using Glyconanosynthon Scaffolds. Shiao TC, Rej R, Rose M, Pavan GM, Roy R. », *Molecules*, vol. 21, no 4
- Roy R (2016). « Multivalent Carbohydrate-Lectin Interactions: How Synthetic Chemistry Enables Insights into Nanometric Recognition. Roy R, Murphy PV, Gabius HJ. », *Molecules*
- Roy D, Grenier D, Segura M, Mathieu-Denoncourt A et Gottschalk MG (2016). « Recruitment of factor H to the *Streptococcus suis* cell surface is multifactorial. », *Pathogens*, vol. 5, no 3, p. pii: E47
- Roy R (2016). « Insights in CO<sub>2</sub> interaction on zeolite omega-supported polyol dendrimers. Terrab, I., Boukoussa, B., Hamacha, R., Bouchiba, N., Roy, R., Bengueddach, A., Azzouz, A., », *Thermochimica Acta*
- Savard C, Alvarez F, Provost C, Chorfi Y, D'Allaire S, Benoit-Biancamano MO et Gagnon C (2016). « Efficacy of Fostera PRRS modified live virus vaccine against a Canadian heterologous virulent field strain of porcine reproductive and respiratory syndrome virus. », *Can J Vet Res*, vol. 80, no 1, p. 1-11
- Shiao TC et Roy R (2016). « Expedient synthesis of functional single-component glycoliposomes using thiol-yne chemistry. Goyard, D., Shiao, T.C., Fraleigh, N.L., Vu, H.-Y., Lee, H., Diaz-Mitoma, F., Le, H.-T., Roy, R », *Journal of Materials Chemistry*
- Shiao TC et Roy R (2016). « A Covalent Cysteine-Targeting Kinase Inhibitor of Ire1 Permits Allosteric Control of Endoribonuclease Activity. Waller, D.D., Jansen, G., Golizeh, M., Martel-Lorion, C., Dejgaard, K., Shiao, T.C., Mancuso, J., Tsantrizos, Y.S., Roy, R., Sebag, M., Sleno, L., Thomas, D.Y », *ChemBioChem*
- Shiao TC et Roy R (2016). « Low generation polyamine dendrimers bearing flexible tetraethylene glycol as nanocarriers for plasmids and siRNA. Sharma R, Zhang I,
- Shiao TC, Pavan GM, Maysinger D, Roy R. », *Nanoscale*, vol. 8, no 9, p. 5106-5119
- Subirade M, Beaulieu C, Fliss I et al. (2016). « Collagencin, an antibacterial peptide from fish collagen: Activity, structure and interaction dynamics with membrane. Ennaas N, Hammami R, Gomaa A, Bédard F, Biron É, Subirade M, Beaulieu L, Fliss I. », *Biochem Biophys Res Commun.*, vol. 473, no 2, p. 642-647
- Takamatsu D, Deware K, Gottschalk MG et Fittipaldi N (2016). « Population Structure and Antimicrobial Resistance Profiles of *Streptococcus suis* Serotype 2 Sequence Type 25 Strains. Athey TB, Teatero S, Takamatsu D, Wasserscheid J, Dewar K, Gottschalk M, Fittipaldi N. », *PLoS One*, vol. 11, no 3, p. e0150908
- Topp E et Talbot G (2016). « Development and evaluation of multiplex PCR assays for rapid detection of virulence-associated genes in Arcobacter species.
- Topp E, Lessard M et al. (2016). « The case for plant-made veterinary immunotherapeutics. Topp E, Irwin R, McAllister T, Lessard M, Joensuu JJ, Kolotilin I, Conrad U, Stöger E, Mor T, Warzecha H, Hall JC, McLean MD, Cox E, Devriendt B, Potter A, Depicker A, Virdi V, Holbrook L, Doshi K, Dussault M, Friendship R, Yarosh O, Yoo HS, MacDonald J, Menassa R », *Biotechnol Adv*. 2016 Feb 12.
- Trigui H, Paquet V, Charette S et Faucher S (2016). « Packaging of *Campylobacter jejuni* into multilamellar bodies by the ciliate *Tetrahymena pyriformis*. Trigui H, Paquet VE, Charette SJ, Faucher SP. », *Appl Environ Microbiol.*, vol. 82, no 9, p. 2783-2790
- Turgeon N et Duchaine C (2016). « Nano-scale aerovirology: an efficient yet simple method to analyse the viral content of single bioaerosols. Nicolas Groulx, C Lecours, Nathalie Turgeon, John Volckens, Marie-Ève Tremblay and Caroline Duchaine », *Aerosol Science and Technology*, vol. 50, no 7, p. 732-739
- Van Calsteren MR, Goyette-Desjardin G, Gagnon F, Okura M, Takamatsu D, Roy R, Gottschalk MG et Segura M (2016). « Explaining the serological characteristics of *Streptococcus suis* serotypes 1 and 1/2 from their capsular polysaccharide structure and biosynthesis. », *J Biol Chem.*, vol. 291, no 16, p. 8387-8398
- Van Le Thanh B, Lemay M, Bastien A, Lessard M, Chorfi Y, Guay F et Lapointe J (2016). « The potential effects of antioxidant feed additives in mitigating the adverse effects of corn naturally contaminated with Fusarium mycotoxins on antioxidant systems in the intestinal mucosa, plasma, and liver in weaned pigs. », *Mycotoxin Res.*, vol. 32, no 2, p. 99-116

Veillette M et Duchaine C (2016). « Bacteria Emitted in Ambient Air During Bronchoscopies - A Risk to Health Care Workers? Geneviève Marchand, Yves Cloutier, Jacques Lavoie, Marc Veillette, and Caroline Duchaine. », American Journal of Infection Control

Vincent A, Emond-Rheault JG, Barbeau X, Atteré S, Frenette M, Lagüe P et Charette S (2016). « Antibiotic resistance due to an unusual ColE1-type replicon plasmid in *Aeromonas salmonicida*. », Microbiology, vol. 162, no 6, p. 942-953

Vogelee P, Tremblay Y, Jubelin G, Jacques M et Harel J (2016). « Phenotypic and genotypic characterization of biofilm-forming ability of Shiga toxin-producing *Escherichia coli* associated with human infections. », Appl Environ Microbiol., vol. 82, p. 1448-1458

Wang L et Zhao X (2016). « Using In Vitro Immunomodulatory Properties of Lactic Acid Bacteria for Selection of Probiotics against *Salmonella* Infection in Broiler Chicks. Feng J, Wang L, Zhou L, Yang X, Zhao X. », PLoS One, vol. 11, no 1, p. e0147630

Whiteduck-Léveillé J, Cloutier M, Topp E, Lapen DR, Talbot G, Villemur R, Khan IU. », J Microbiol Methods., vol. 121, p. 59-65

Xue H et Zhao X (2016). « Effect of bla regulators on the susceptible phenotype and phenotypic conversion for oxacillin-susceptible *mecA*-positive staphylococcal isolates. Liu P, Xue H, Wu Z, Ma J, Zhao X. », J Antimicrob Chemother.

Yergeau É, Masson L et al. (2016). « Comparison of Methods to Identify Pathogens and Associated Virulence Functional Genes in Biosolids from Two Different Wastewater Treatment Facilities in Canada. Yergeau E, Masson L, Elias M, Xiang S, Madey E, Huang H, Brooks B, Beaudette LA. », PLoS One, vol. 11, no 4, p. e0153554

Zhao X (2016). « Optimal secretion of alkali-tolerant xylanase in *Bacillus subtilis* by signal peptide screening. Zhang W, Yang M, Yang Y, Zhan J, Zhou Y, Zhao X. », Appl Microbiol Biotechnol.

## Publication dans des actes de colloque

---

Gottschalk MG (2016). « Cómo diagnosticar y controlar APP. », dans Porci Forum, Palacio de Congresos La Llotja, Lleida, Spain. March 3-4, 2016., p. 45-51

Lambert MÉ, D'Allaire S et Deslile B (2016). « Porcine reproductive and respiratory syndrome virus diversity in herds participating or not in a regional control and elimination program in Quebec. », dans 24th IPVS

## Chapitre de livre/contribution à un ouvrage collectif

---

Dubreuil D (2016). « *Escherichia coli* STb enterotoxin: a multifaceted molecule. », dans P. Gopalakrishnakone, Toxinology. Microbial toxins., Springer

Dubreuil D et al. (2016). « Animal enterotoxigenic *Escherichia coli*. Dubreuil, J.D. Isaacson, R.E., and Schifferli, D.M. », EcoSal, ASM

Duchaine C (2016). « Factors affecting endotoxins in settled dust in different indoor environments — A review. Heidi Salonen, Caroline Duchaine, Valérie Létourneau, Mandana Mazaheri, Sirpa Laitinen, Sam Clifford, Sanna Lappalainen, Kari Reijula, Lidia Morawska. », Indoor Air 2016 Full

Duchaine C et Brisebois É (2016). « 1.3 Quantification and characterization of biological aerosols in Microbiology of aerosols. Janine Fröhlich-Nowoisky, Pascal Renard, Pierre Amato, Caroline Duchaine and Évelyne Brisebois. », dans Anne-Marie Delort and Pierre Amato, SECTION 1: Bioaerosols, sampling and characterization

Duchaine C et Brisebois É (2016). « 1.1 Main biological aerosols, specificities, abundance and diversity. in Microbiology of aerosols. Janine FröhlichNowoisky, M Draghi, Enric Robine, Michel Thibaudon, J. Alex Huffman, Gediminas Mainelis, Caroline Duchaine, Évelyne Brisebois and Pierre Amato. », dans Anne-Marie Delort and Pierre Amato, SECTION 1: Bioaerosols, sampling and characterization

Duchaine C et Brisebois É (2016). « 1.2 Sampling techniques. in Microbiology of aerosols. Janine Fröhlich-Nowoisky, M Draghi, Enric Robine, Michel Thibaudon, Gediminas Mainelis, Pierre Amato, Caroline Duchaine, Évelyne Brisebois. », dans Anne-Marie Delort and Pierre Amato, SECTION 1: Bioaerosols, sampling and characterization

Marsolais D, Blais Lecours P et Duchaine C (2016). « Health impacts of bioaerosol exposure in Microbiology of aerosols. David Marsolais, Pascale Blais Lecours and Michel Thibeaudon, Caroline Duchaine. », dans Anne-Marie Delort and Pierre Amato, Health impacts of bioaerosol exposure in Microbiology of aerosols

## Rapport de recherche

---

Archambault M (2016). Prevalence and characteristics of livestock-associated methicillin-resistant *Staphylococcus aureus* (LA-MRSA) of chicken meat origin from the province of Québec, Canada.

D'Allaire S (2016). Epidemiology of porcine reproductive and respiratory syndrome virus (PRRSv) among swine herds in Quebec, an applied research program in support to PRRS control projects ., 18 p

## Texte de vulgarisation

---

Arsenault J, Gabriele-Rivet V, Harel J, Fairbrother JH, Côté N et Crost C (2016). « Les pigeons montréalais posent-ils un risque pour la santé publique ? », Brin de Science

Boulianne M, Poirier H et al. (2016). « Salubrité et bien-être animal Vidéos à découvrir | Poussin Podium et le médicamenteurs d'âge. », Provoqué, vol. juin, p. 4

Boulianne M et Poirier H (2016). « Salubrité et bien-être animal. Projet de recherche sur la réduction des antibiotiques | Fermes de poulet recherchées! », Provoqué, vol. juin, p. 4

Boulianne M (2016). « Projet sur le démarrage | Fermes de dindon recherchées », Provoqué, vol. février, p. 9

Ferrouillet C, Fravalo C, Denicourt M, Letellier A et al. (2016). « L'usage des antibiotiques, je l'explique à mon entourage! », Porc Québec, vol. avril, p. 46 Pu

Fravalo P, Thibodeau A et Crost C (2016). « Campylobacter...un nouveau voisin au sein du microbiome! », Brin de Science

Gottschalk MG, Gagnon C, Segura M, Savard C, Crost C et Poirier H (2016). « Berner pour mieux s'infiltrer: Le virus de l'Influenza porcin favorise l'infection à *Streptococcus suis* ! », Brin de Science

Gottschalk MG, Gagnon C, Segura M, Poirier H et Crost C (2016). « L'Influenza porcin favorise l'infection à *Streptococcus suis*. », Porc Québec, p. 54

Segura M, Roy R et Poirier H (2016). « Un beau défi! Développer un vaccin efficace contre *Streptococcus suis*. », Brin de Science

Segura M, Letellier A et al. (2016). « LA SCIENCE d'ici : Portrait de Mme Mariela Segura. », LE VETERINARIUS +, vol. 11, no 32, p. 14

Segura M, Roy R et Poirier H (2016). « Le défi de développer un vaccin efficace contre *Sterptococcus suis*. », Porc Québec, p. 55

---