

Publications – CRIPA -2015

Article - revue avec comité de lecture

- Aguiar C, Lemire P, Segura M et Theoret C (2015). « Immune potential of allogeneic equine induced pluripotent stem cells. Aguiar, C., J. Therrien, P. Lemire, M. Segura, L. Smith, and C. Theoret », *Equine Veterinary Journal*, vol. 47, p. 708-714
- Aguiar C, Lemire P, Segura M et Theoret C (2015). « Differentiation of equine induced pluripotent stem cells into a keratinocyte lineage. Aguiar, C., J. Therrien, P. Lemire, M. Segura, L. Smith, and C. Theoret. », *Equine Veterinary Journal*.
- Archambault M, Pelletier-Jacques G, Beaudry-Ferland M, Tremblay Y, Malouin F, Talbot BG, Letellier A et Jacques M (2015). « In Vitro Horizontal Transfer of Antibiotic Resistance and Virulence Genes Between swine Livestock-Associated Methicillin-Resistant *Staphylococcus aureus* (LA-MRSA) and MRSA of Human Clinical origin. Archambault M, Pelletier-Jacques G., Beaudry-Ferland M., Monecke S., Ehricht R., Tremblay Y., Lafrance M., Monière H., Malouin F., Talbot B., Letellier A., and Jacques M. », *Evolutionary Application*
- Arsenault J et Ogden N (2015). « Different Ecological Niches for Ticks of Public Health Significance in Canada. Gabriele-Rivet V, Arsenault J, Badcock J, Cheng A, Edsall J, Goltz J, Kennedy J, Lindsay LR, Pelcat Y, Ogden NH. », *PLoS One.*, vol. 10, no 7
- Auger JP, Dumesnil A, Takamatsu D, Deware K, Gottschalk MG et Fittipaldi N (2015). « Complex Population Structure and Virulence Differences among Serotype 2 *Streptococcus suis* Strains Belonging to Sequence Type 28. Athey TB, Auger JP, Teatero S, Dumesnil A, Takamatsu D, Wasserscheid J, Dewar K, Gottschalk M, Fittipaldi N. », *PLoS One*, vol. 10, no 9, p. e0137760
- Auger JP, Christodoulides M, Segura M, Xu J et Gottschalk MG (2015). « Interactions of *Streptococcus suis* serotype 2 with human meningeal cells and astrocytes. », *BMC Res Notes.*, vol. 8, p. 607
- Atanassov C, Bonifait L, Perivier M, Gottschalk MG et Grenier D (2015). « Candidate proteomic biomarkers for three genogroups of the swine pathogen *Streptococcus suis* serotype 2. », *BMC Microbiology*, vol. 15, no 84
- Atteré S, Vincent A, Trudel M, Chanut R et Charette S (2015). « Diversity and homogeneity among small plasmids of *Aeromonas salmonicida* subsp. *salmonicida* linked with geographical origin. », *Front. Microbiol.*, vol. 6, p. 1274
- Azelmat J et Grenier D (2015). « Synthesis and evaluation of antibacterial and anti-inflammatory properties of naturally occurring coumarins. Azelmat J, S Fiorito, VA Taddeo, P Genovese S, F Epifano, D Grenier. », *Phytochem. Lett.*, vol. 13, p. 399-405
- Azelmat J, Larente JF et Grenier D (2015). « The anthraquinone rhein exhibits synergistic antibacterial activity in association with metronidazole or natural compounds and attenuates virulence gene expression in *Porphyromonas gingivalis* », *Arch Oral Biol.*, vol. 60, no 2, p. 342-346
- Azelmat J, Fiorito S, Genovese S, Epifano F et Grenier D (2015). « Antimicrobial and anti-Inflammatory activities of Ppc-1, active principle of the cellular slime mold *Polysphondylium pseudocandidum*. », *Med. Chem.*
- Baroch J, Gagnon C, Lacouture S et Gottschalk MG (2015). « Exposure of feral swine (*Sus scrofa*) in the United States to selected pathogens. », *Can J Vet Res.*, vol. 79, no 1, p. 74-78
- Balière C, Rincé A, Blanco J, Dhbi G, Harel J, Vogeleer P, Giard J, Mariani-Kurkdjian P et Gourmelon M (2015). « Prevalence and Characterization of Shiga Toxin-Producing and Enteropathogenic *Escherichia coli* in Shellfish-Harvesting Areas and Their Watersheds. », *Front Microbiol.*, vol. 6, p. 1356

- Beaudry F (2015). « L'amyloïdose pancréatique dans le diabète de type 2 : de nouvelles solutions. », p. 32-33
- Beaudry F (2015). « CYP3A Mediated Ketamine Metabolism is Severely Impaired in Liver S9 Fractions from Aging Sprague Dawley Rats. R. Santamaria, M.C. Giroux, P. Vachon and F. Beaudry », arXiv.org
- Beaudry F (2015). « Histopathological, biomechanical and behavioural pain findings of Achilles tendinopathy using an animal model of overuse injury. L. Jafari, P. Vachon, F. Beaudry and E. Langelier », *Physiological Reports*, vol. 3, no 1, p. e12265
- Beaudry F (2015). « Physiological, biochemical and pharmacokinetic comparisons between 3, 6, 12 and 18 month old male Sprague Dawley rats following ketamine-xylazine anesthesia. M-C. Giroux, F. Beaudry, R. Santamaria, P. Hélie, P. Burns, and P. Vachon », *Experimental Animals*
- Beaudry F (2015). « Assessment of Tandem Mass Spectrometry and High Resolution Mass Spectrometry for the Analysis of Bupivacaine in Plasma. F. Gaudette, J. Benito, P. Steagall and F. Beaudry », *Biomedical Chromatography*, vol. 29, no 11, p. 1724-1730
- Beaudry F (2015). « Liquid Chromatography-Electrospray Linear Ion Trap Mass Spectrometry Analysis of Targeted Neuropeptides in Tac1^{-/-} Mouse Spinal Cords Reveal Significant Lower Concentration of Opioid Peptides. M. Saidi and F. Beaudry », *Neuropeptides*, vol. 52, p. 79-87
- Beaudry F (2015). « Assessment of meat authenticity using bioinformatics, targeted peptide biomarkers and high-resolution mass spectrometry. A. Riuz, E. Husby, C, Yang, G. Ghosh and F. Beaudry », *Food Additives and Contaminants*, vol. 32, no 10, p. 170+-1717
- Beaudry F (2015). « Histomorphometry of the newly formed bone after its growth modulation by static and dynamic compression using a rat tail model. A. Benoit, T. Mustafy, I. Londono, F. Beaudry, P. Vachon, G. Grimard, C.-E. Aubin and I. Villemure », *Computer Methods in Biomechanics and Biomedical Engineering*
- Beaudry F (2015). « Tachykinins Processing is Significantly Impaired in PC1 and PC2 Mutant Mouse Spinal Cord S9 Fractions. M. Saidi, S. Kamali, A. Orduna Ruiz, F. Beaudry », *Neurochemical Research*, vol. 40, no 11, p. 2304-2316
- Beaudry F (2015). « Characterization of Endoproteolytic Processing of Dynorphins by Proprotein Convertases using Mouse Spinal Cord S9 Fractions and Mass Spectrometry. A. Orduna Ruiz, F. Beaudry », *Neuropeptides*
- Beaudry F (2015). « Bone Growth Resumption Following In vivo Static and Dynamic Compression Removal on Rats. Vachon, F. Moldovan, I. Villemure », *Bone*, vol. 81, p. 662-668
- Beigi T, Ngadi M, Holman D et Chénier M (2015). « Analysis of fungal diversity in ready-to-eat pizza and effectiveness of pulsed ultraviolet-light treatment for inactivation of mold on agar surface. », *Journal of Bioprocessing and Biotechniques* 5(5):228-234., vol. 5, no 5, p. 228-234
- Bellehumeur C, Boyle B, Charette S, Harel J, L'Homme Y, Masson L et Gagnon C (2015). « Propidium monoazide (PMA) and ethidium bromide monoazide (EMA) improve DNA array and high-throughput sequencing of porcine reproductive and respiratory syndrome virus identification. », *J Virol Methods*, vol. 222, p. 182-191
- Bellehumeur C, Lair S, Provost C et Gagnon C (2015). « Bellehumeur C, Lair S, Romero CH, Provost C, Nielsen O, Gagnon CA. Identification of a novel herpesvirus associated with a penile proliferative lesion in a beluga (*Delphinapterus leucas*). », *J Wildl Dis.*, vol. 51, no 1, p. 244-249
- Ben Lagha A et Grenier D (2015). « Wild blueberry (*Vaccinium angustifolium* Ait.) polyphenols target *Fusobacterium nucleatum* and the host inflammatory response: Potential innovative molecules for treating periodontal diseases. Ben Lagha A, S Dudonné, Y Desjardins, D Grenier. », *J. Agric. Food Chem.*, vol. 63, p. 6999-7008

- Benoit-Biancamano MO (2015). « Cutaneous Squamous Cell Carcinoma in an African Pygmy Hedgehog (*Atelerix albiventris*). Émilie L. Couture, Isabelle Langlois, MarieOdile Benoit-Biancamano », Canadian Veterinary Journal
- Benoit-Biancamano MO (2015). « Identification of 5a-reductase isoenzymes in canine skin. Lucilene Bernardi de Souza, Manon Paradis, Gustavo Zamberlam, Marie-Odile Benoit-Biancamano and Christopher Price. », Vet Dermatol 2
- Blais Lecours P, Perrott P et Duchaine C (2015). « Non-culturable bioaerosols in indoor settings: impact on health and molecular approaches for detection. », Atmospheric Environment, vol. 110, p. 45-53
- Bleau C et Lamontagne LM (2015). « Crosstalk between intestinal microbiota, adipose tissue and skeletal muscle as an early event in systemic low-grade inflammation and the development of obesity and diabetes. Bleau C, Karelis AD, St-Pierre DH, Lamontagne L. », Diabetes Metab Res Rev., vol. 31, no 6, p. 545-561
- Bleau C et Lamontagne LM (2015). « Brain Invasion by Mouse Hepatitis Virus Depends on Impairment of Tight Junctions and Beta Interferon Production in Brain Microvascular Endothelial Cells. Bleau C, Filliol A, Samson M, Lamontagne L. », J Virol., vol. 89, no 19, p. 9896-9908
- Blemur L et Mateescu MA (2015). « Carboxymethyl starch/alginate microspheres containing diamine oxidase for intestinal targeting. Blemur L, Le TC, Marcocci L, Pietrangeli P, Mateescu MA. », Biotechnol Appl Biochem.
- Bonifait L, Charlebois R, Vimont A, Turgeon N, Veillette M et Duchaine C (2015). « Detection and quantification of airborne norovirus during outbreaks in healthcare facilities. Bonifait L, Charlebois R, Vimont A, Turgeon N, Veillette M, Longtin Y, Jean J, Duchaine C », Clin Infect Dis., vol. 61, no 3, p. 299-304
- Boulanger S, Mitchell G, Bouarab K, Déziel E et Malouin F (2015). « Bactericidal Effect of Tomatidine-Tobramycin Combination against Methicillin-Resistant *Staphylococcus aureus* and *Pseudomonas aeruginosa* Is Enhanced by Interspecific Small-Molecule Interactions. Boulanger S, Mitchell G, Bouarab K, Marsault Û, Cantin A, Frost EH, Déziel E, Malouin F. », Antimicrob Agents Chemother., vol. 59, no 12, p. 7458-7464
- Brassard J et al. (2015). « Analysis of complete genome sequences and a V239A substitution in the helicase domain of swine hepatitis E virus strains isolated in Canada. Ward P, Leblanc D, Houde A, Brassard J. », Arch Virol., vol. 160, no 7, p. 1767-1773
- Brassard J et al. (2015). « Evaluation of survival of murine norovirus-1 during sauerkraut fermentation and storage under standard and low-sodium conditions. Gagné MJ, Barrette J, Savard T, Brassard J. », Food Microbiol., vol. 52, p. 119-123
- Brassard J et al. (2015). « Association of age and gender with Torque teno virus detection in stools from diarrheic and non-diarrheic people. Brassard J, Gagné MJ, Leblanc D, Poitras É, Houde A, Boras VF, Inglis GD », J Clin Virol., vol. 72, p. 55-59
- Calzas C, Lemire P, Auray G, Gerdtts V, Gottschalk MG et Segura M (2015). « Antibody Response Specific to the Capsular Polysaccharide is Impaired in *Streptococcus suis* Serotype 2-Infected Animals. », Infection and Immunity, vol. 83, p. 441-453
- Caza M, Garénaux A, Lépine F et Dozois CM (2015). « Catechol siderophore esterases Fes, IroD and IroE are required for salmochelins secretion following utilization, but only IroD contributes to virulence of extra-intestinal pathogenic *Escherichia coli*. », Mol Microbiol.
- Charlebois A, Jacques M et Archambault M (2015). « Tolerance of *Clostridium perfringens* biofilms to disinfectants commonly used in farms and food processing environments. Charlebois, A., G. Courchesne, M. Jacques and M. Archambault. », Journal of Applied and Environmental Microbiology

- Daigle F, Malouin F, Beaulieu C, Lerat S, Bucca G, Sanssouci É et Smith C (2015). « A terD domain-encoding gene (SCO2368) is involved in calcium homeostasis and participates in calcium regulation of a DosR-like regulon in *Streptomyces coelicolor*. », *J Bacteriol.*, vol. 197, no 5, p. 913-923
- Dubreuil D (2015). « Macdonald College of McGill University and the Canadian Society of Microbiologists: an interweaved tale. », *Can J Microbiol.*, vol. 61, no 2, p. iii-v
- Duchaine C (2015). « Airborne viable fungi in school environments in different climatic regions – A review. Heidi Salonen, Caroline Duchaine, Mandana Mazaheri, Sam Clifford, Sanna Lappalainen, Kari Reijula, Lidia Morawska », *Atmospheric Environment*, vol. 104, p. 186-194
- Duchaine C (2015). « Evaluation of bioaerosol exposures during hospital bronchoscopy examinations. Lavoie J, Marchand G, Cloutier Y, Hallé S, Nadeau S, Duchaine C, Pichette G. », vol. 17, no 2, p. 288-299
- Emond-Rheault JG, Vincent A, Trudel M, Frey J, Frenette M et Charette S (2015). « AsaGEI2b: a new variant of a genomic island revealed in the *Aeromonas salmonicida* subsp. *salmonicida* JF3224 strain isolated from a wild fish in Switzerland. », *FEMS Microbiol letters.*, vol. 362, no 13, p. fnv093
- Emond-Rheault JG, Vincent A, Trudel M, Brochu F, Boyle B, Tanaka K, Atteré S, Jubinville É, Loch T, Winters A, Faisal M, Frenette M, Derome N et Charette S (2015). « Variants of a genomic island in *Aeromonas salmonicida* subsp. *salmonicida* link isolates with their geographical origins. », *Vet Microbiol.*, vol. 175, no 1, p. 68-76
- Fairbrother JM, Fravallo P, Côté C, Genereux M et Breton M (2015). « Persistence of indicator and pathogenic microorganisms in broccoli following manure spreading and irrigation with fecally-contaminated water: field experiment. », *Journal of Food Protection*, vol. 78, no 10, p. 1776-1784
- Fairbrother JM (2015). « Rees EE, Davidson J, Fairbrother JM, St Hilaire S, Saab M, McClure JT. Occurrence and antimicrobial resistance of *Escherichia coli* in oysters and mussels from Atlantic Canada. », *Foodborne Pathog Dis.*, vol. 12, no 2, p. 164-169
- Fairbrother JM, Francoz D et Nadeau É (2015). « Fairbrother JH, Dufour S, Fairbrother JM, Francoz D, Nadeau É, Messier S. Characterization of persistent and transient *Escherichia coli* isolates recovered from clinical mastitis episodes in dairy cows. », *Vet Microbiol.*, vol. 176, no 1-2, p. 126-133
- Faucher S et Charette S (2015). « Editorial on bacterial pathogens in the non-clinical environment. », *Frontier Microbiology*, vol. 6, p. 331
- Feng JC, Liu P, Yang X et Zhao X (2015). « Screening of immunomodulatory and adhesive *Lactobacillus* with antagonistic activities against *Salmonella* from fermented vegetables. », *World. J. Microbiol. Biot.*, vol. 31, no 12, p. 1947-1954
- Fernandez-Garayzabal J et Gottschalk MG (2015). « 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., J.F. Fernández-Garayzabal, L. Domínguez, M. Gottschalk, A.I. Vela », *Veterinary Journal*, vol. S1090-0233
- Ferreira Barbosa J, Labrie J, Beaudry F, Gagnon C et Jacques M (2015). « *Actinobacillus pleuropneumoniae* induces SJPL cell cycle arrest in G2/M-1 phase and inhibits porcine reproductive and respiratory syndrome virus replication. », *J. Virol.*, vol. 12, no 1, p. 188
- Fliiss I (2015). « Study of the virucidal potential of organic peroxyacids against norovirus on food-contact surfaces. Vimont A, Fliiss I, Jean J. », *Food Environ Virol.*, vol. 7, no 1, p. 49-57
- Fliiss I (2015). « Efficacy and mechanisms of murine norovirus inhibition by pulsed-light technology. Vimont A, Fliiss I, Jean J. », *Appl Environ Microbiol.*, vol. 81, no 8, p. 2950- 2957

- Fliss I (2015). « Zeta Potential and Aggregation of Virus-Like Particle of Human Norovirus and Feline Calicivirus Under Different Physicochemical Conditions. Samandoulgou I, Fliss I, Jean J. », *Food Environ Virol*.
- Fliss I (2015). « Survival and Metabolic Activity of Pediocin Producer *Pediococcus acidilactici* UL5: Its Impact on Intestinal Microbiota and *Listeria monocytogenes* in a Model of the Human Terminal Ileum. Fernandez B, Savard P, Fliss I. », *Microb Ecol*.
- Fliss I (2015). « Nisin is an effective inhibitor of *Clostridium difficile* vegetative cells and spore germination. Le Lay C, Dridi L, Bergeron MG, Ouellette M, Fliss I. », *J Med Microbiol*.
- Fliss I (2015). « Stability of Secondary and Tertiary Structures of Virus-Like Particles Representing Noroviruses: Effects of pH, Ionic Strength, and Temperature and Implications for Adhesion to Surfaces. Samandoulgou I, Hammami R, Morales Rayas R, Fliss I, Jean J. », *Appl Environ Microbiol.*, vol. 81, no 22, p. 7680-7686
- Fliss I (2015). « Symbiotic maple saps minimize disruption of the mice intestinal microbiota after oral antibiotic administration. Hammami R, Ben Abdallah N, Barbeau J, Fliss I. », *Int J Food Sci Nutr.*, vol. 66, no 6, p. 665-671
- Fortin J et Benoit-Biancamano MO (2015). « Wildlife sequences of islet amyloid polypeptide (IAPP) identifies critical species variants for fibrillization. », *Amyloid*
- Fortin J et Benoit-Biancamano MO (2015). « Inhibition of Islet Amyloid Polypeptide (IAPP) Aggregation and Associated Cytotoxicity by Non-steroidal Anti-Inflammatory Drugs (NSAIDs). », *Canadian Journal of Physiology and Pharmacology*
- Fortin J et Benoit-Biancamano MO (2015). « In Vitro Evaluation of Hypoglycemic Agents to Target Human Islet Amyloid Polypeptide: A Key Protein Involved in Amyloid Deposition and Beta-Cell Loss. », *Canadian Journal of Diabetes*
- Fortin J et Benoit-Biancamano MO (2015). « Development of an Amyloid (AIAPP) Radiotracer for the Diagnosis and Management of Type 2 Diabetes Mellitus. Jessica S. Fortin, Brigitte Guérin, Marie-Odile Benoit-Biancamano. », *Can J Diabetes*, vol. 39, no 2
- Fortin J et Benoit-Biancamano MO (2015). « Anatomic and molecular characterization of the 1 endocrine pancreas of a teleostean fish: Atlantic wolffish (*Anarhichas lupus*). Jessica S. Fortin, Ariane Santamaria-Bouvier, Stéphane Lair, André D. Dallaire, Marie-Odile Benoit-Biancamano », *Zoological studies*, vol. 554, no 21
- Foudeh A, Trigui H, Mendis NN, Faucher S, Veres T et Trabizian M (2015). « Rapid and Specific SPRi Detection of *L. pneumophila* in Complex Environmental Water Samples. », *Analytical and Bioanalytical Chemistry*
- Freschi L, Jeukens J, Kukavica-Ibrujl I, Boyle B, Dupont, MJ, Laroche J, Larose S, Maaroufi H, Fothergill J, Moore M, Winsor GL, Aaron SD, Barbeau J, Bell SC, Burns JL, Camara M, Cantin A, Charette S, Deware K, Déziel E, Grimwood K, Hancock RE, Harrison JJ, Heeb S, Jelsbak L, Jia B, Kenna DT, Kidd TJ, Klockgether J, Lam JS, Lamont I, Lewezan S, Loman N, Malouin F, Manos J, McArthur A, McKeown J, Milot J, Naghra H, Nguyen D, Pereira S, Perron G, Pirnay J, Rainey P, Rousseau S, Santos P, Stephenson A, Taylor V, Turton J, Waglechner N, Williams P, Thrane S, Wright G, Brinkman F, Tucker N, Tümmler B, Winstanley C et Lévesque RC (2015). « Clinical utilization of genomics data produced by the international *Pseudomonas aeruginosa* consortium. », *Front Microbiol.*, vol. 6, p. 1036
- Friciu Mihaela M et Mateescu MA (2015). « 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. 15, p. 1-15

- Gaucher ML, Quessy S, Letellier A, Arsenault J et Boulianne M (2015). « Impact of a drug-free program on broiler chicken growth performances, gut health, *Clostridium perfringens* and *Campylobacter jejuni* occurrences at the farm level. », *Poultry Science*, vol. 94, no 8, p. 1791-1801
- Gil M, Faucitano L, Talbot G, Devillers N, Guay F et Saucier L (2015). « Pre-slaughter strategies to improve pork carcass microbial quality. », *Meat Science*, vol. 99, p. 153
- Gottschalk MG (2015). « The challenge of detecting herds sub-clinically infected with *Actinobacillus pleuropneumoniae*. », *The Veterinary Journal*, vol. 206, no 1, p. 30-38
- Gottschalk MG (2015). « Disease risks associated with free-ranging Wild Boar in Saskatchewan. McGregor, G., M. Gottschalk, D. Godson, W. Wilkins, T. Bollinger », *Canadian Veterinary Journal*
- Gottschalk MG et Tharavichitkul P (2015). « Serotype- and virulence-associated gene profile of *Streptococcus suis* isolates from pig carcasses in Chiang Mai Province, Northern Thailand. Wongsawan, K., M. Gottschalk, P. Tharavichitkul. », vol. 77, p. 233-236
- Gottschalk MG et Xu J (2015). « Simultaneous detection of 33 *Streptococcus suis* serotypes using the luminex xTAG® assay™. Bai X, Liu Z, Ji S, Gottschalk M, Zheng H, Xu J », *J Microbiol Methods.*, vol. 117, p. 95-99
- Gottschalk MG (2015). « Preferential production of G-CSF by a protein-like *Lactobacillus rhamnosus* GR-1 secretory factor through activating TLR2-dependent signaling events without activation of JNKs. Meshkibaf S, Fritz J, Gottschalk M, Kim SO. », *BMC Microbiol.*, vol. 15, no 1, p. 238
- Gottschalk MG et Lacouture S (2015). « *Streptococcus suis* in employees and the environment of swine slaughterhouses in São Paulo, Brazil: Occurrence, risk factors, serotype distribution, and antimicrobial susceptibility. Soares TC, Gottschalk M, Lacouture S, Megid J, Ribolla PE, de Figueiredo Pantoja JC, Paes AC. », *Can J Vet Res.*, vol. 79, no 4, p. 279-284
- Gottschalk MG (2015). « Assessment of MALDI-TOF MS as Alternative Tool for *Streptococcus suis* Identification. Pérez-Sancho M, Vela AI, García-Seco T, Gottschalk M, Domínguez L, Fernández-Garayzábal JF », *Front Public Health.*, vol. 3, p. 202
- Gottschalk MG, Xu J et al. (2015). « Eight novel capsular polysaccharide synthesis gene loci identified in nontypeable *Streptococcus suis* isolates. Zheng, H., S. Ji, Z. Liu, R. Lan, Y. Huang, X. Bai, M. Gottschalk, J. Xu », *Applied and Environmental Microbiology*, vol. 81, p. 4111-4119
- Gottschalk MG et Oishi K (2015). « Emergence of *Streptococcus suis* serotype 9 infection in humans. Kerdsin, A., R. Hatrongjit, M. Gottschalk, D. Takeuchi, S. Hamada, Y. Akeda, K. Oishi. », *Journal of Microbiology, Immunology and Infection*, vol. S1684-1182
- Gottschalk MG et Oishi K (2015). « First human case report of sepsis due to infection with *Streptococcus suis* serotype 31 in Thailand. Hatrongjit, R., A. Kerdsin, M. Gottschalk, D. Takeuchi, S. Hamada, K. Oishi, Y. Akeda », *BMC Infectious Diseases*, vol. 15, p. 392
- Gottschalk MG et Oishi K (2015). « Development of a multiplex pcr assay to detect the major clonal complexes of *Streptococcus suis* relevant to human infection. Hatrongjit, R., A. Kerdsin, M. Gottschalk, S. Hamada, K. Oishi, Y. Akeda. », *Journal of Medical Microbiology*
- Goyette-Desjardin G, Roy R et Segura M (2015). « Murine Whole-Blood Opsonophagocytosis Assay to Evaluate Protection by Antibodies Raised Against Encapsulated Extracellular Bacteria. », *Methods Mol Biol.*, vol. 1331, p. 81-92
- Grenier D (2015). « Lombardo Bedran TB1, Palomari Spolidorio D2, Grenier D3. Green tea polyphenol epigallocatechin-3-gallate and cranberry proanthocyanidins act in synergy with cathelicidin (LL-37) to reduce the LPS-induced inflammatory response in a three-dimensional co-culture model of gingival epithelial cells and fibroblasts. », *Arch Oral Biol.*, vol. 60, no 6, p. 845-853

- Grenier D, Morin MP, Fournier J et Chen H (2015). « Vitamin D inhibits the growth and virulence factor gene expression by *Porphyromonas gingivalis* and blocks activation of the nuclear factor kappa B transcription factor in monocytes. », *J. Periodontal Res.*
- Grenier D et al. (2015). « Chemical composition, antibacterial and antioxidant activities of essential oil of *Eucalyptus globulus* from Algeria. Harkat-Madouri L, B Asma, K Madani, Z Bey-Ould Si Said, P Rigou, D Grenier, H Allalou, H Remini, A Adjaoud, L Boulekbache-Makhlouf. », *Ind. Crops Prod.*, vol. 78, p. 148-153
- Grenier D, Chen H, Ben Lagha A, Fournier J et Morin MP (2015). « Dual action of myricetin on *Porphyromonas gingivalis* and the inflammatory response of host cells: A promising therapeutic molecule for periodontal diseases. », *PLoS One*, vol. 10, no 6, p. e0131758
- Graveline R, Lavoie R, Garneau P, Daigle F, Sénéchal S, Martin C et Harel J (2015). « Monitoring F1651 P-like fimbriæ expression at the single-cell level reveals a highly heterogeneous phenotype. », *Infect Immun.*, vol. 83, no 5, p. 1929-1939
- Guay F et Matte J (2015). « Interaction between vitamin B6 and source of selenium on the response of the selenium-dependent glutathione peroxidase system to oxidative stress induced by oestrus in pubertal pig. Dalto DB, Roy M, Audet I, Palin MF, Guay F, Lapointe J, Matte JJ. », *J Trace Elem Med Biol.*, vol. 32, p. 21-29
- Guay F (2015). « Fermented Apple Pomace as a Feed Additive to Enhance Growth Performance of Growing Pigs and Its Effects on Emissions. Chandran M. Ajila, Saurabh J. Sarma, Satinder K. Brar, Stephane Godbout, Michel Cote, Frederic Guay, Mausam Verma and Jose R. Valéro », *Agriculture*, vol. 5, no 2, p. 313-329
- Haas B, Vaillancourt K, Bonifait L, Gottschalk MG et Grenier D (2015). « Hyaluronate lyase activity of *Streptococcus suis* serotype 2 and modulatory effects of hyaluronic acid on the bacterium's virulence properties. », *BMC Research Notes*, vol. 8, p. 722
- Haas B et Grenier D (2015). « Isolation, characterization and biological properties of membrane vesicles produced by the swine pathogen *Streptococcus suis*. », *PLoS One*, vol. 10, no 6, p. e0130528
- Hammami R, Subirade M et Fliss I (2015). « Lasso-inspired peptides with distinct antibacterial mechanisms. Hammami R, Bédard F, Goma A, Subirade M, Biron E, Fliss I. », *Amino Acids.*, vol. 47, no 2, p. 417-428
- Hammami R et Fliss I (2015). « Ennaas N, Hammami R, Beaulieu L, Fliss I. Purification and characterization of four antibacterial peptides from protamex hydrolysate of Atlantic mackerel (*Scomber scombrus*) by-products. », *Biochem Biophys Res Commun.*, vol. 462, no 3, p. 195-200
- Hathroubi S, Hancock M, Langford P, Tremblay Y, Labrie J et Jacques M (2015). « Surface Polysaccharide Mutants Reveal that Absence of O Antigen Reduces Biofilm Formation of *Actinobacillus pleuropneumoniae*. », vol. 84, no 1, p. 127-137
- Hathroubi S, Tremblay Y, Labrie J et Jacques M (2015). « Sub-inhibitory concentrations of penicillin G induce biofilm formation by field isolates of *Actinobacillus pleuropneumoniae*. Hathroubi S, Fontaine-Gosselin SÈ, Tremblay YD, Labrie J, Jacques M. », vol. 179, no 3-4, p. 277-286
- Holman D et Chénier M (2015). « Antimicrobial use in swine and its impact on antimicrobial resistance and the swine gut microbiota. », *Canadian Journal of Microbiology*, vol. 61, no 11, p. 785-798
- Houle S, Dozois CM et al. (2015). « Presence of virulence genes and pathogenicity islands in extraintestinal pathogenic *Escherichia coli* isolates from Brazil. Cyoia PS, Rodrigues GR, Nishio EK, Medeiros LP, Koga VL, Pereira AP, Vespero EC, Houle S, Dozois CM, Nakazato G, Kobayashi RK. », *J Infect Dev Ctries.*, vol. 9, no 10, p. 1068- 1075
- Jacques M, Grenier D, Labrie J, Provost C et Gagnon C (2015). « Persistence of porcine reproductive and respiratory syndrome virus and porcine circovirus type 2 in bacterial biofilms. », *J. Swine Hlth Prod.*, vol. 23, p. 132-136

- Jahanbakhsh SR, Kaboré KP, Fravallo P, Letellier A et Fairbrother JM (2015). « Impact of medicated feed along with clay mineral supplementation on *Escherichia coli* resistance to antimicrobial agents in pigs after weaning in field conditions. », *Research in Veterinary Science*, vol. 102, p. 72-79
- Lacouture S et Gottschalk MG (2015). « Clonal distribution of *Streptococcus suis* isolated from diseased pigs in the central region of Chile. Morales, B., Á. Ruiz, S. Lacouture, M. Gottschalk », *Canadian Journal of Veterinary Research*, vol. 79, p. 343-346
- Lacouture S et Gottschalk MG (2015). « Canada: Distribution of *Streptococcus suis* (from 2012 to 2014) and *Actinobacillus pleuropneumoniae* (from 2011 to 2014) serotypes isolated from diseased pigs. », *Can Vet J.*, vol. 56, no 10, p. 1093-1094
- Larivière-Gauthier G, Quessy S, Fournaise S, Letellier A et Fravallo P (2015). « Different types of stainless steel used in equipment in meat plants do not affect the initial microbial transfer, including pathogens, from pork skin. », *Can J Vet Res.*, vol. 79, no 3, p. 255-259
- Le Bihan G, Jubelin G, Garneau P, Bernalier-Donadille A, Martin C, Beaudry F et Harel J (2015). « Transcriptome analysis of *Escherichia coli* O157:H7 grown in vitro in the sterile-filtrated cecal content of human gut microbiota associated rats reveals an adaptive expression of metabolic and virulence genes. », *Microbes and Infection*, vol. 17, no 1, p. 23-33
- Le Bihan G, Emond-Rheault JG, Garrivier A, Harel J et Jubelin G (2015). « Vitamin B12 uptake by the gut commensal bacteria *Bacteroides thetaiotaomicron* limits the production of Shiga toxin by enterohemorrhagic *Escherichia coli*. Cordonnier, C., G. Le Bihan, J.-G. Emond-Rheault, A. Garrivier, J. Harel, G. Jubelin. », *Toxins*, vol. 5, no 8
- Le Thanh BV, Lessard M, Chorfi Y et Guay F (2015). « Antioxidant capacity in the intestinal mucosa of weanling piglets fed diets containing *Fusarium* mycotoxins and the efficacy of commercial supplements sold as detoxifiers. », *Canadian Journal of Animal Science*, vol. 95, p. 569-575
- Lessard M, Savard C, Lauzon K, Pinilla Ramirez VA, Lapointe J, Gagnon C, Guay F et Chorfi Y (2015). « Impact of deoxynivalenol (DON) contaminated feed on intestinal integrity and immune response in swine. », *Food Chem Toxicol.*, vol. 80, p. 7-16
- Lévesque C, Topp E et Talbot G (2015). « *Arcobacter lanthieri* sp. nov., isolated from pig and dairy cattle manure. Whiteduck-Léveillé K, Whiteduck-Léveillé J, Cloutier M, Tambong JT, Xu R, Topp E, Arts MT, Chao J, Adam Z, Lévesque CA, Lapen DR, Villemur R, Talbot G, Khan IU. », *Int J Syst Evol Microbiol*.
- Li L, Feng W, Zhang Z, Xue H et Zhao X (2015). « Macrolide-lincosamide-streptogramin resistance phenotypes and genotypes of coagulase-positive *Staphylococcus aureus* and coagulase-negative staphylococcal isolates from bovine mastitis. », *BMC Vet. Res.*, vol. 11, no 168
- Li L, Wang L, Xue H et Zhao X (2015). « Characterization of methicillin-resistant and -susceptible staphylococcal isolates from bovine milk in northwestern china. Li L, Zhou L, Wang L, Xue H, Zhao X. », *PLoS One*, vol. 10, no 3, p. e0116699
- Li L, Mendis NN, Trigui H et Faucher S (2015). « Transcriptomic changes of *Legionella pneumophila* in water. », *BMC Genomics*, vol. 16, p. 637
- L'Homme Y, Leboeuf A, Arsenault J et Fras M (2015). « Identification and characterization of an emerging small ruminant lentivirus circulating recombinant form (CRF). », *Virology*, vol. 475, p. 159-171
- Malouin F (2015). « A C-Type Lectin from *Bothrops jararacussu* Venom Disrupts Staphylococcal Biofilms. Klein RC, Fabres-Klein MH, de Oliveira LL, Feio RN, Malouin F, Ribon AO. », *PLoS One.*, vol. 10, no 3

- Malouin F (2015). « Distinctive Binding of Avibactam to Penicillin-Binding Proteins of Gram-negative and Gram-positive Bacteria. Asli A, Brouillette E, Krause KM, Nichols WW, Malouin F. », *Antimicrob Agents Chemother.*
- Manges A, Harel J, Masson L, Edens T, Portt A, Reid-Smith R, Zhanel G, Kropinski A et Boerlin P (2015). « Multilocus Sequence Typing and Virulence Gene Profiles Associated with *Escherichia coli* from Human and Animal Source. », *Foodborne Pathog Dis.*
- Masson L et Payment P (2015). « An environmental survey of surface waters using mitochondrial DNA from human, bovine and porcine origin as fecal source tracking markers. Villemur R, Imbeau M, Vuong MN, Masson L, Payment P. », *Water Res.*, vol. 69, p. 143-153
- Mateescu MA et al. (2015). « The fungicide thiabendazole causes apoptosis in rat hepatocytes. Séide M, Marion M, Mateescu MA, Averill-Bates DA. », *Toxicol In Vitro.*
- Mateescu MA (2015). « Carboxymethyl starch mucoadhesive microspheres as gastroretentive dosage form. Lemieux M, Gosselin P, Mateescu MA. », *Int J Pharm.*, vol. 496, no 2, p. 497-508
- Matte J et Guay F (2015). « Oral supplementations of betaine, choline, creatine and vitamin B6 and their influence on the development of homocysteinaemia in neonatal piglets. Côté-Robitaille MÉ, Girard CL, Guay F, Matte JJ. », *J Nutr Sci.*, vol. 4, p. e31
- Ménard A. L., G. Grimard, I. Londono, F. Beaudry, P. Bedran T, Spolidorio DP et Grenier D (2015). « Green tea polyphenol epigallocatechin-3-gallate and cranberry proanthocyanidins act in synergy with cathelicidin (LL-37) to reduce the LPS-induced inflammatory response in a three-dimensional co-culture model of gingival epithelial cells and fibroblasts. », *Archs Oral Biol.*, vol. 60, p. 845-853
- Mendis NN, McBride P et Faucher S (2015). « Short-term and long-term survival, and virulence of *Legionella pneumophila* in the defined freshwater medium Fraquil. », *Plos ONE*, vol. 10, no 9, p. e0139277
- Messad F, Létourneau-Montminy MP et Guay F (2015). « Prediction of standardized ileal digestibility and essential amino acid content of ingredients in swine: a metaanalysis. Messad, F., Létourneau-Montminy, M.-P., Charbonneau, E., Sauvart, D., Guay, F. », *Animal Feed Science and Technology*, vol. 207, p. 204-221
- Mohammadbeygy T, Holman D et Chénier M (2015). « Analysis of fungal diversity in ready-to-eat pizza and effectiveness of pulsed ultraviolet-light treatment for inactivation of mold on agar surface. », *Journal of Food Protection*
- Morin MP, Spolidorio DP et Grenier D (2015). « Black tea extract and its theaflavin derivatives inhibit the growth of periodontopathogens and modulate interleukin-8 and β - defensin secretion in oral epithelial cells. Lombardo Bedran TB, MP Morin, DP Spolidorio, D Grenier. », *PLoS One*, vol. 10, no 11, p. e0143158
- Morin MP, Fournier-Larente J, Haas B, Azelmat J et Grenier D (2015). « Morin MP, TB Lombardo Bedran, J Fournier-Larente, B Haas, J Azelmat, D Grenier. Green tea extract and its major constituent epigallocatechin-3-gallate inhibit growth and halitosis-related properties of *Solobacterium moorei*. », *BMC Complement. Alt. Med.*, vol. 15, p.48
- Mourez M (2015). « The *Pseudomonas aeruginosa* PA14 ABC Transporter NppA1A2BCD Is Required for Uptake of Peptidyl Nucleoside Antibiotics. Pletzer D, Braun Y, Dubiley S, Lafon C, Köhler T, Page MG, Mourez M, Severinov K, Weingart H. », *J Bacteriol.*, vol. 197, no 13, p. 2217-2228
- Mourez M (2015). « Chromosomal position shift of a regulatory gene alters the bacterial phenotype. Gerganova V, Berger M, Zaldastanishvili E, Sobetzko P, Lafon C, Mourez M, Travers A, Muskhelishvili G. », *Nucleic Acids Res.*

- Houle S, Dozois CM et Creuzenet C (2015). « Role of capsular modified heptose in the virulence of *Campylobacter jejuni*. Wong A, Lange D, Houle S, Arbatsky NP, Valvano MA, Knirel YA, Dozois CM, Creuzenet C. », *Mol Microbiol.*, vol. 96, no 6, p. 1136-1145
- Muckle A et Gottschalk MG (2015). « Isolation of *Streptococcus suis* from two lambs with history of lameness. Muckle, A., A. López, M. Gottschalk, C. López-Méndez, J. Giles, L. Lund, M. Saab », *Canadian Veterinary Journal*, vol. 55, p. 946-949
- Ogden N (2015). « The increasing risk of Lyme disease in Canada. Bouchard C, Leonard E, Koffi JK, Pelcat Y, Peregrine A, Chilton N, Rochon K, Lysyk T, Lindsay LR, Ogden NH. », *Can Vet J.*, vol. 56, no 7, p. 693-699
- Ogden N (2015). « Climate Change, Drought and Human Health in Canada. Yusa A, Berry P, J Cheng J, Ogden N, Bonsal B, Stewart R, Waldick R. », *Int J Environ Res Public Health*, vol. 12, no 7, p. 8359-8412
- Okura M, Takamatsu D, Osaki M, Sekizaki T et Gottschalk MG (2015). « Miscellaneous genome sequencing reveals the characteristic genes of groups potentially hazardous to humans and the spread of antibiotic-resistance genes in *Streptococcus suis*. Okura, M., T. Nozawa, T. Watanabe, I. Nakagawa, D. Takamatsu, M. Osaki, T. Sekizaki, M. Gottschalk, S. Hamada, F. Maruyama », *Journal of Bacteriology* Soumis 2015
- Ollier S, Zhao X et Lacasse P (2015). « Effects of feed restriction and prolactin-release inhibition at drying-off on susceptibility to new intramammary infection in cows. », *J. Dairy Sci.*, vol. 98, p. 1-8
- Ouellet M, Barbeau J et Charette S (2015). « *Pseudomonas aeruginosa* isolates from dental unit waterlines can be divided in two distinct groups, including one displaying phenotypes similar to isolates from cystic fibrosis patients. Ouellet M.M., Leduc A., Nadeau C., Barbeau J. and Charette S.J. », *Front Microbiol.*, vol. 5, p. 802
- Perrott P, Turgeon N, Gauthier-Lévesque L et Duchaine C (2015). « A system for studying simulated natural bioaerosols in the laboratory. », *Atmospheric Environment*
- Porcheron G et Dozois CM (2015). « Interplay between iron homeostasis and virulence: Fur and RyhB as major regulators of bacterial pathogenicity. », *Vet Microbiol*
- Pourabedin M et Zhao X (2015). « Xylo-oligosaccharides and virginiamycin differentially modulate gut microbial composition in chickens. Pourabedin M, Guan L, Zhao X. », *Microbiome*, vol. 3, p. 15
- Pourabedin M et Zhao X (2015). « Prebiotics and gut microbiota in chickens. », *FEMS Microbiol Lett.*, vol. 362, no fnv122
- Porcheron G, Houle S, Dozois CM et Oswald É (2015). « HlyF Produced by Extraintestinal Pathogenic *Escherichia coli* Is a Virulence Factor That Regulates Outer Membrane Vesicle Biogenesis. Murase K, Martin P, Porcheron G, Houle S, Helloin E, Pénary M, Nougayrède JP, Dozois CM, Hayashi T, Oswald E. », *J Infect Dis.*
- Ramirez Castillo FY, Loera-Muro A, Jacques M, Harel J, Avelar Gonzalez F et Guerrero Barrera AL (2015). « Waterborne pathogens: detection methods and challenges. », *Pathogens.*, vol. 4, no 2, p. 307-334
- Rhouma M, Beaudry F, Thériault WP, Bergeron N, Laurent-Lewandowski S, Fairbrother JM et Letellier A (2015). « Gastric stability and oral bioavailability of colistin sulfate in pigs challenged or not with *Escherichia coli* F4 (K88). », *Research in Veterinary Science*, vol. 102, p. 173-181
- Rodriguez Batista E, Laverty S, Beauchamp G et Archambault M (2015). « Comparison of an alcohol-based hand rub and water-based chlorhexidine gluconate scrub technique for hand antisepsis prior to elective surgery in horses. Almeida da Silveira, E., K. A. Bubeck, E. Rodriguez Batista, P. Piat, S. Laverty, G. Beauchamp, M. Archambault, Y. Elce. », *Canadian Veterinary Journal*
- Roques É, Lessard M et Archambault D (2015). « The Cholera Toxin B Subunit (CTB) Fused to the Porcine Arterivirus Matrix M and GP5 Envelope Proteins Fails to Enhance the GP5-Specific Antibody Response in Pigs Immunized with Adenovectors. », *Mol Biotechnol.*, vol. 57, no 8, p. 701-708

- Roy R (2015). « Engineering a therapeutic lectin by uncoupling mitogenicity from antiviral activity. Swanson MD, Boudreaux DM, Salmon L, Chugh J, Winter HC, Meagher JL, André S, Murphy PV, Oscarson S, Roy R, King S, Kaplan MH, Goldstein IJ, Tarbet EB, Hurst BL, Smee DF, de la Fuente C, Hoffmann HH, Xue Y, Rice CM, Schols D, Garcia JV, Stuckey JA, Gabius HJ, Al-Hashimi HM, Markovitz DM. », *Cell*, vol. 163, no 3, p. 746-758
- Roy R (2015). « A guide into glycosciences: How chemistry, biochemistry and biology cooperate to crack the sugar code. Solís D, Bovin NV, Davis AP, Jiménez-Barbero J, Romero A, Roy R, Smetana K Jr, Gabius HJ. », *Biochim Biophys Acta.*, vol. 1850, no 1, p. 186-235
- Roy D, Auger JP, Segura M, Fittipaldi N, Takamatsu D, Okura M et Gottschalk MG (2015). « Role of the capsular polysaccharide as a virulence factor for *Streptococcus suis* serotype 14. », *Canadian Journal of Veterinary Research*, vol. 79, p. 141-146
- Roy R (2015). « Glyconanosynthons as powerful scaffolds and building blocks for the rapid construction of multifaceted, dense and chiral dendrimers. Roy R, Shiao TC. », *Chem Soc Rev.*, vol. 44, no 12, p. 3924-3941
- Roy R (2015). « Metal-inorganic-organic matrices as efficient sorbents for hydrogen storage. Azzouz A, Nouisir S, Bouazizi N, Roy R. », *ChemSusChem.*, vol. 8, no 5, p. 800- 803
- Roy R (2015). « Total mineralization of sulfamethoxazole and aromatic pollutants through Fe²⁺-montmorillonite catalyzed ozonation. Shahidi D, Moheb A, Abbas R, Larouk S, Roy R, Azzouz A. », *J Hazard Mater.*, vol. 298, p. 338-350
- Roy R (2015). « Dissecting molecular aspects of cell interactions using glycodendrimersomes with programmable glycan presentation and engineered human lectins. Zhang S, Moussodia RO, Murzeau C, Sun HJ, Klein ML, Vértesy S, André S, Roy R, Gabius HJ, Percec V. », *Angew Chem Int Ed Engl.*, vol. 54, no 13, p. 4036-4040
- Roy R (2015). « Defining the potential of aglycone modifications for affinity/selectivity enhancement against medically relevant lectins: synthesis, activity screening, and HSQC-based NMR analysis. Rauthu SR, Shiao TC, André S, Miller MC, Madej É, Mayo KH, Gabius HJ, Roy R. », *Chembiochem*, vol. 16, no 1, p. 126-139
- Savard C, Provost C, Alvarez F, Pinilla Ramirez VA, Jacques M, Music N, Gagnon C et Chorfi Y (2015). « Effect of deoxynivalenol (DON) mycotoxin on in vivo and in vitro porcine circovirus type 2 infections. », *Vet Microbiol.*, vol. 176, no 3-4, p. 257-267
- Savard C, Gagnon C et Chorfi Y (2015). « Deoxynivalenol (DON) naturally contaminated feed impairs the immune response induced by porcine reproductive and respiratory syndrome virus (PRRSV) live attenuated vaccine. », *Vaccine*, vol. 33, no 32, p. 3881-3886
- Segura M (2015). « *Streptococcus suis* vaccines: candidate antigens and progress. », *Expert Rev Vaccines.*, vol. 14, no 12, p. 1587-1608
- Takamatsu D, Deware K, Gottschalk MG et Fittipaldi N (2015). « Population structure and antimicrobial resistance profiles of *Streptococcus suis* serotype 2 sequence type 25 strains. Athey T.B., S. Teatero, D. Takamatsu, J. Wasserscheid, K. Dewar, M. Gottschalk, N. Fittipaldi. », *PLoS One*, vol. 11, p. e0150908
- Thibodeau A, Fravallo P, Yergeau É, Arsénault J, Lahaye L et Letellier A (2015). « Chicken Caecal Microbiome Modifications Induced by *Campylobacter jejuni* Colonization and by a Non-Antibiotic Feed Additive. », *PLoS One*, vol. 10, no 7, p. e0131978 P
- Thibodeau A, Fravallo P, Taboada E, Laurent-Lewandowski S, Guévremont É, Quessy S et Letellier A (2015). « Extensive characterization of *Campylobacter jejuni* chicken isolates to uncover genes involved in the ability to compete for gut colonization. », *BMC Microbiol.*, vol. 15, p. 97

- Topp E et Talbot G (2015). « Phylogenetic identification of methanogens assimilating acetate-derived carbon in dairy and swine manures. Barret M, Gagnon N, Morissette B, Kalmokoff ML, Topp E, Brooks SP, Matias F, Neufeld JD, Talbot G. », *Syst Appl Microbiol.*, vol. 38, no 1, p. 56-66
- Torre S, Faucher S, Fodil N, Bongfen SE, Berghout J, Schwartzentruber JA, Majewski J, Lathrop M, Cooper AM, Vidal SM et Gros P (2015). « THEMIS Is Required for Pathogenesis of Cerebral Malaria and Protection against Pulmonary Tuberculosis. », *Infect Immun.*, p. 759-768
- Tremblay Y, Vogeeler P, Jacques M et Harel J (2015). « High throughput microfluidic method to study biofilm formation and host-pathogen interactions in pathogenic *Escherichia coli*. », *Applied and Environmental Microbiology*, vol. 81, no 8, p. 2827-2840
- Trigui H, Dudyk P, Oh J, Hong JI et Faucher S (2015). « A Regulatory Feedback Loop between RpoS and SpoT Supports the Survival of *Legionella pneumophila* in Water. », *Appl Environ Microbiol.*, vol. 1, no 3, p. 918-928
- Trigui H, Thibodeau A, Fravallo P, Letellier A et Faucher S (2015). « Survival in water of *Campylobacter jejuni* strains isolated from the slaughterhouse. », *Springerplus*, vol. 4, p. 799
- Turgeon N et Duchaine C (2015). « Application Of A Simple Method To Study Single Particle Bioaerosols And Preferential Aerosolization. Nicolas Groulx, Nathalie Turgeon and Caroline Duchaine. », *Aerosol Science and Technology*
- Vaillancourt K, LeBel G, Frenette M, Fittipaldi N, Gottschalk MG et Grenier D (2015). « Purification and Characterization of Suicin 65, a Novel Class I Type B Lantibiotic Produced by *Streptococcus suis*. », *PLoS One*, vol. 10, no 12, p. e0145854
- Van Le Thanh B, Lessard M, Chorfi Y et Guay F (2015). « The efficacy of anti-mycotoxin feed additives in preventing the adverse effects of wheat naturally contaminated with *Fusarium* mycotoxins on performance, intestinal barrier function and nutrient digestibility and retention in weanling pigs. », *Can J Ani Sci*, vol. 95, no 2, p. 197-209
- Van Calsteren MR et Gagnon F (2015). « Structure determination of the neutral exopolysaccharide produced by *Lactobacillus delbrueckii* subsp. *bulgaricus* OLL1073R-1. Van Calsteren MR, Gagnon F, Nishimura J, Makino S », *Carbohydr Res.*, vol. 413, p. 115-122
- Vaillancourt K, LeBel G, Frenette M, Gottschalk MG et Grenier D (2015). « Suicin 3908, a New Lantibiotic Produced by a Strain of *Streptococcus suis* Serotype 2 Isolated from a Healthy Carrier Pig. », *PLoS One*, vol. 10, no 2, p. e0117245
- Verreault D, Turgeon N, Moineau S et Duchaine C (2015). « Resistance of Aerosolized Bacterial Viruses to Relative Humidity and Temperature. Verreault D, MarcouxVoiselle M, Turgeon N, Moineau S, Duchaine C. », *Appl Environ Microbiol.*, vol. 81, no 20, p. 7305-7311
- Vincent A, Tanaka K, Trudel M, Frenette M, Derome N et Charette S (2015). « Draft genome sequences of two *Aeromonas salmonicida* subsp. *salmonicida* isolates harboring plasmids conferring antibiotic resistance. », *FEMS Microbiol Lett.*, vol. 362, no 4
- Vincent A et Charette S (2015). « Who qualifies to be a bioinformatician? », *Front Genetics.*, vol. 6, p. 164
- Whalen JK et Chénier M (2015). « Earthworm functional groups are related to denitrifier activity in riparian soils. », *Applied Soil Ecology*
- Wang L, Xue H, Li L et Zhao X (2015). « Characterization of Insertion Sequence ISSau2 in the Human and Livestock-Associated *Staphylococcus aureus*. », *PLoS One*, vol. 10, no 5, p. e0127183

- Wang L et Zhao X (2015). « Enzymological Characterization of Atm, the First Laccase from *Agrobacterium* sp. S5-1, with the Ability to Enhance In Vitro digestibility of Maize Straw. Si W, Wu Z, Wang L, Yang M, Zhao X. », PLoS One, vol. 10, no 5, p. e0128204
- Wang L, Xue H, Li L et Zhao X (2015). « Evolutionary relationship of a mobile element ISSau2 in *Staphylococcus aureus* of livestock and human origins. », PLoS One, vol. 10, no e0127183
- Wu Z, Li F, Liu D, Xue H et Zhao X (2015). « A novel type XII staphylococcal cassette chromosome mec harbouring a new cassette chromosome recombinase, CcrC2. », Antimicrob Agents Chemother, vol. 59, no 12, p. 7597-7601
- Zhao X (2015). « Co-existence of Heavy Metal and Antibiotic Resistance within a Novel Composite Staphylococcal Cassette Chromosome in a *Staphylococcus Haemolyticus* from Bovine Mastitis Milk. Xue H, Wu Z, Li L, Li F, Wang Y, Zhao X. », Antimicrob Agents Chemother.
- Zhu L, Leclerc JM, Daigle F, Le Moual H et Gruenheid S (2015). « The CpxRA two-component system is essential for *Citrobacter rodentium* virulence. Thomassin JL, Giannakopoulou N, Zhu L, Gross J, Salmon K, Leclerc JM, Daigle F, Le Moual H, Gruenheid S. », Infect Immun

Publication dans des actes de colloque

- Ancuta Apreutese et Benoit-Biancamano MO (2015). « The postnatal development and growth of the cardio-respiratory system in Sprague-Dawley rats. Apreutese A, Gordon C, Foster R, Graham A, Palate B, Tavcar R, Haruna J, Benoit-Biancamano MO. », dans 54th Annual SOT Meeting and ToxExpo, San Diego, États-Unis, 2015- 03-22
- Ancuta Apreutese et Benoit-Biancamano MO (2015). « Histomorphologic features of neonatal and juvenile uro-genital development in Sprague-Dawley rats. Apreutese A, Gordon C, Foster R, Graham A, Palate B, Tavcar R, Haruna J, Benoit-Biancamano MO. », dans 54th Annual SOT Meeting and ToxExpo, San Diego, États-Unis, 2015-03-22
- Archambault M, Charlebois A et Jacques M (2015). « Transcriptomic study of *Clostridium perfringens* biofilm. », dans 1st International Conference on Necrotic Enteritis, Copenhagen, Danmark
- Benoit-Biancamano MO (2015). « Cardiac PET imaging of perfusion, metabolism and function in a mouse model of cardiotoxicity induced by doxorubicin chemotherapy. Gascon S, Croteau É, Sarrhini O, Tremblay S, Benoit-Biancamano M-O, Turcotte E, Lecomte R. (», dans SNMMI Annual Meeting, Baltimore, États-Unis, 2015-06-06
- Benoit-Biancamano MO (2015). « Doxorubicin-induced cardiotoxicity detection and monitoring in a mouse model by functional and molecular positron emission tomography imaging. Lecomte R, Gascon S, Croteau É, Sarrhini O, Tremblay S, Benoit-Biancamano M-O, Turcotte E. », dans 54th Annual SOT Meeting and ToxExpo, San Diego, États-Unis, 2015-03-22
- Benoit-Biancamano MO (2015). « Évaluation du suivi de la cardiotoxicité induite par chimiothérapie par imagerie TEP chez un modèle de souris. Gascon S, Croteau E, Tremblay S, Sarrhini O, Benoit-Biancamano MO, Turcotte E, Lecomte R. », dans Réunion scientifique annuelle 2015 de la Société québécoise de lipidologie, de nutrition et de métabolisme (SQLNM), du Réseau de recherche en santé cardiométabolique, diabète et obésité (CMDO) du FRQS et du Congrès COLoSUS, Magog-Orford, Canada, 2015-02-18
- Bernier-Lachance J, Usongo V, Malouin F, Jacques M, Arsenault J et Archambault M (2015). « Occurrence and antibiotic resistance of methicillin resistant *Staphylococcus aureus* in poultry. », dans 4th ASM Antimicrobial resistance in zoonotic bacteria

Fortin J et Benoit-Biancamano MO (2015). « Inhibition of Islet Amyloid Polypeptide Aggregation and Associated Cytotoxicity by Non-steroidal Anti-Inflammatory Drugs. », dans ACVP, ASVCP & STP Combined Annual Meeting, Minneapolis, États-Unis, 2015-10-17, Minneapolis

Fortin J et Benoit-Biancamano MO (2015). « Wildlife sequences of islet amyloid polypeptide (IAPP) identifies critical species variants for fibrillization. », dans ACVP, ASVCP & STP Combined Annual Meeting, Minneapolis, États-Unis, 2015-10-17

Gottschalk MG (2015). « Actinobacillus pleuropneumoniae heterogeneity of pathogenicity. 7th European Symposium of Porcine Health Management. », dans Nantes, France, 22-24 avril 2015, p. 58-60 dans (2015).

Parent É, Archambault M, Gaucher ML et Boulianne M (2015). « Virulence profile characterization of Clostridium perfringens clinical strains causing necrotic enteritis in consecutive flocks of broiler chickens raised without antibiotics. », dans American Association of Avian Pathologist (AAAP). Boston, USA, juillet 11-14, 2015

Parent É, Archambault M et Boulianne M (2015). « Keys to a successful intestinal ligated loop model in chickens. », dans The 1st International Conference on Necrotic Enteritis in Poultry. Copenhagen, Danemark, 10-12 juin 2015

Parent É, Archambault M et Boulianne M (2015). « Evaluation of Clostridium perfringens virulence in a chicken loop model. », dans 1st International Conference on Necrotic Enteritis, Copenhagen, Danemark

Chapitre de livre/contribution à un ouvrage collectif

Blais Lecours P et Duchaine C (2015). « Airborne bacteria, Archaea and Endotoxin. Peter S. Thorne Pascale Blais Lecours and Caroline Duchaine », dans Marylynn V. Yates, Cindy H. Nakatsu, Robert V. Miller, Suresh D. Pillai, Manual of Environmental Microbiology 4th edition,, ASM press, p. 1-20

Dubreuil D et al. (2015). « Escherichia coli heat-stable enterotoxins. (Chapitre 31). », dans Michel R. Popoff et D. Ladant., The Comprehensive Sourcebook of Bacterial Protein Toxins, 4e édition., Elsevier, p. 874-910

Goyette-Desjardin G, Roy D et Segura M (2015). « Murine whole-blood opsonophagocytosis assay to evaluate protection by antibodies raised against encapsulated extracellular bacteria. », In: Carbohydrate-Based Vaccines - Methods and Protocols Edition of "Methods in Molecular Biology" lab protocol series., B. Lepenies Springer, p. 81-92

Rapport de recherche

Gagnon C.A., C.K. Traesel, C. Bédard and P. Hélie (2015). Immunogénicité d'une ...confidentiel. 30 p

Archambault M et Charlebois A (2015). Évaluation in vitro de l'activité antibactérienne de Rapport scientifique confidentiel à B-ORGANIC FILMS Corp. Publié 2015

Surprenant C, Archambault M et al. (2015). L'utilisation judicieuse des antibiotiques dans le milieu vétérinaire et bioalimentaire au Québec. Document de sensibilisation à l'intention des communicateurs scientifiques. Nguon S., M. Nadeau, M. Major, M. Pépin, M. Savard, C. Surprenant, A. Serapiglia, M. Duval, M. Archambault, F. Desjardins, A. Laperle et G. Charron., 34 p

Duchaine C, Marc Veillette, Julie Jean, Yves Longtin, Laetitia Bonifait, Nathalie Turgeon, Rémi Charlebois (2015). Détection des virus respiratoires et entériques en milieu hospitalier - Une étude pilote.

Ngadi M et Chénier M (2015). Shelf life extension for preformed pizza using pulsed ultraviolet light., 30 p

Texte de vulgarisation

- Arsenault J (2015). « Gérer les effets indésirables... chez nos compagnons si désirables. Lajoie L, Arsenault J. », Le médecin du Québec
- Arsenault J et al. (2015). « La campylobactériose : une infection fréquente aux multiples sources! », Le Veterinarius plus, vol. 31, no 2
- Boulianne M et al. (2015). « Revue des principales maladies observées dans les élevages de basse-cour au Québec », Le Veterinarius plus, vol. 31, no 5
- Boulianne M (2015). « Favoriser un bon départ chez les poussins. », La Terre de Chez-Nous, vol. 1 juillet
- Boulianne M et Gagnon C (2015). « Grippe aviaire et migration automnale | État de la situation. », Provoqué, vol. octobre, p. 11-14
- Boulianne M et Poirier H (2015). « Poussin Podium | Mesurez le bien-être des poussins ! », Provoqué, vol. avril mai, p. 4-7
- Boulianne M, Archambault M, Gagnon C et al. (2015). « ÉQCMA | État de la situation et embauche d'une consultante. », Provoqué, vol. février, p. 11
- Chorfi Y et al. (2015). « Nourrir bien son chat ou son chien », Le Veterinarius, vol. 31, no 5
- D'Allaire S et al. (2015). « Portrait du Dre Sylvie D'Allaire », Le Veterinarius, vol. 31, no 2
- Duchaine C et Parent MJ (2015). « Quand la ferme devient un laboratoire », Bulletin des Agriculteurs, vol. 20 juillet
- Duchaine C (2015). « L'air, un vecteur méconnu de transmission des infections dans les hôpitaux. S. Blanchet, C. Duchaine », Suzanne Blanchet, Prévention au travail, septembre, vol. septembre
- Duchaine C (2015). « Les gastro-entérites virales jouent les filles de l'air. C. Duchaine, S. Balfagon. », SciencesActualités.FR, vol. juin
- Duchaine C, Grenier D, Poirier H et Crost C (2015). « Quand Streptococcus suis décide de prendre l'air! », Porc Québec, vol. Juin 2015
- Ferrouillet C, Fravalo C et Letellier A (2015). « Antibiorésistance et politiques de réduction des antibiotiques. », Porc Québec, vol. avril, p. 55-56
- Ferrouillet C, Letellier A et Fravalo C (2015). « Que signifie un usage judicieux des antibiotiques en production porcine? », Porc Québec, vol. juin, p. 45-46
- Ferrouillet C et Letellier A (2015). « Quizz sur l'usage judicieux des antibiotiques », Porc Québec, vol. septembre, p. 26-27
- Gagnon C et Boulianne M (2015). « La grippe aviaire à nos portes. », Provoqué, vol. avril-mai, p. 7
- Gottschalk MG (2015). « Patogenicidad de Actinobacillus pleuropneumoniae. », SUIIS, Formación para el técnico de porcino. Octubre 2015, vol. 121, p. 28-32
- Klopfenstein C (2015). « Le Québec en route vers le contrôle du SRRP. C. klopfentsein, V. Dufour, S Goulet », Porc Québec, vol. septembre, p. 22-24
- Klopfenstein C (2015). « Contrôler le SRRP pour de meilleures performances financières. Michel Morin, Christian Klopfenstein. », Porc Québec, vol. décembre, p. 40-43 Publié 2015
- Igarisation Guay F, Lessard M, Chorfi Y et al. (2015). « La mycotoxine DON : peut-on prévenir son effet oxydant. », Porc Québec, vol. décembre

Vaillancourt JP, Racicot M et al. (2015). « Biosécurité : Principes et points critiques », Le Veterinarius plus, vol. 31, no 6

Autre

Dozois CM (2015). « Introduction. », Can J Microbiol, vol. 61, no 9, p.

Faucher S (2015). « Interviewed by Dierdre Lockwood (Chemical and Engineering News) about an article published by Yu, Environ. Sci. Technol. 2015. <http://cen.acs.org/articles/93/web/2015/01/Bacteria-Remain-Dormant-UV-Disinfection.html> (01/27/15) », Interviewed by Dierdre Lockwood (Chemical and Engineering News) about an article published by Yu, Environ. Sci. Technol. 2015.

Jubelin G, Harel J et Häfner S (2015). « To serve man. Interview by Sophia Häfner. », Microbes Infect., vol. 17, no 1, p. 1-5