



Infolettre -

Vos publications de recherche – juillet-août-septembre 2020

Zoonotic and Reverse Zoonotic Events of SARS-CoV-2 and their Impact on Global Health.

Munir K, Ashraf S, Munir I, Khalid H, Muneer MA, Mukhtar N, Amin S, Ashraf S, Imran MA, Chaudhry U, Zaheer MU, Arshad M, Munir R, **Ahmad A**, Zhao X. *Emerg Microbes Infect.* 2020 Sep 23:1-35.

CpG Methylation in TGF β 1 and IL-6 Genes as Surrogate Biomarkers for Diagnosis of IBD in Children.

Samarani S, Dupont-Lucas C, Marcil V, Mack D, Israel D, Deslandres C, Jantchou P, **Ahmad A**, Amre D. *Inflamm Bowel Dis.* 2020 Sep 18;26(10):1572-1578.

Prevalence and Factors Associated With HIV and Sexually Transmitted Infections Among Female Sex Workers in Bamako, Mali.

Toukara FK, Tégoué I, Guédou FA, Keita B, **Alary M**. *Sex Transm Dis.* 2020 Oct;47(10):679-685.

Acceptability of pre-exposure prophylaxis for HIV prevention: facilitators, barriers and impact on sexual risk behaviors among men who have sex with men in Benin.

Ahouada C, **Diabaté S**, Mondor M, Hessou S, Guédou FA, Béhanzin L, Batona G, Gning NN, Zannou DM, **Alary M**. *BMC Public Health.* 2020 Aug 20;20(1):1267. doi: 10.1186/s12889-020-09363-4.PMID: 32819335.

Pre-exposure prophylaxis among men who have sex with men in Côte d'Ivoire: a quantitative study of acceptability.

Diabaté S, Kra O, Biékoua YJ, Pelletier SJ, Osso DG, Diané B, N'Dhatz-Ebagnitchié M, Ahouada C, Kobena AK, **Alary M**. *AIDS Care.* 2020 Jun 30:1-9. doi: 10.1080/09540121.2020.1785997. Online ahead of print. PMID: 32603610.

Polyfunctional Fc Dependent Activity of Antibodies to Native Trimeric Envelope in HIV Elite Controllers.

Kant S, Zhang N, Barbé A, **Routy JP, Tremblay C, Thomas R**, Szabo J, **Côté P, Trottier B, LeBlanc R, Rouleau D**, Harris M, Dupuy FP and **Bernard NF**. *Frontiers in Immunology.* 2020 Sept. 30:1-15. doi: 10.3389/fimmu.2020.583820.

The Restrictome of Flaviviruses.

Berthoux L. *Virol Sin.* 2020 Aug;35(4):363-377.



Fitness of influenza A and B viruses with reduced susceptibility to baloxavir: A mini-review.
Abed Y, Saim-Mamoun A, **Boivin G**. *Rev Med Virol*. 2020 Sep 25:e2175. doi: 10.1002/rmv.2175.
Online ahead of print.PMID: 32975358.

An Early Microglial Response is Needed to Efficiently Control Herpes Simplex Virus Encephalitis.
Uyar O, Laflamme N, Piret J, Venable MC, Carbonneau J, Zarrouk K, Rivest S, **Boivin G**. *J Virol*.
2020 Sep 16:JVI.01428-20. doi: 10.1128/JVI.01428-20. Online ahead of print.PMID: 32938766.

Human Respiratory Syncytial Virus-induced immune signature of infection revealed by transcriptome analysis of clinical pediatric nasopharyngeal swab samples.
Nicolas de Lamballerie C, Pizzorno A, Dubois J, Padey B, Julien T, Traversier A, Carbonneau J, Orcel E, Lina B, Hamelin ME, Roche M, Textoris J, **Boivin G**, Legras-Lachuer C, Terrier O, Rosa-Calatrava M. *J Infect Dis*. 2020 Jul 29:jiaa468. doi: 10.1093/infdis/jiaa468. Online ahead of print.PMID: 32726438.

Maternal infections.

Boucoiran I, Kakkar F, Renaud C. *Handb Clin Neurol*. 2020;173:401-422.

Sexually Transmitted and Blood-Borne Infections in Pregnant Women and Adverse Pregnancy Outcomes.
D'Aiuto C, Valderrama A, Byrns M, **Boucoiran I**. *J Obstet Gynaecol Can*. 2020 Aug;42(8):977-983.

The Mediating Role of Depressive Symptoms in the Association between Food Insecurity and HIV Related Health Outcomes among HIV-HCV Co-Infected People.
Aibibula W, **Cox J**, Hamelin AM, **Klein MB**, **Brassard P**. *AIDS Behav*. 2020 Jul;24(7):2188-2194.

No Change in Surgical and Hospitalization Trends Despite Higher Exposure to Anti-Tumor Necrosis Factor in Inflammatory Bowel Disease in the Québec Provincial Database From 1996 to 2015.
Verdon C, Reinglas J, Coulombe J, Gonczi L, Bessissow T, Afif W, Vutcovici M, Wild G, Seidman EG, Bitton A, **Brassard P**, Lakatos PL. *Inflamm Bowel Dis*. 2020 Jul 17:izaa166. doi: 10.1093/ibd/izaa166. Online ahead of print.PMID: 32676662.

Phylogenetics: an added ingredient in HIV prevention.

Brenner BG. *AIDS*. 2020 Jul 1;34(8):1247-1248.

Epidemiology of varicella among immigrants and non-immigrants in Quebec, Canada, before and after the introduction of childhood varicella vaccination: a retrospective cohort study.
Greenaway C, Greenwald ZR, Akaberi A, Song S, Passos-Castilho AM, Abou Chakra CN, Palayew A, Alabdulkarim B, Platt R, Azoulay L, **Brisson M**, Quach C. *Lancet Infect Dis*. 2020 Jul 23:S1473-3099(20)30277-2. doi: 10.1016/S1473-3099(20)30277-2. Online ahead of print.PMID: 32711690



Impact of Loneliness on Brain Health and Quality of Life among Adults Living With HIV in Canada.

Harris M, **Brouillette MJ**, Scott SC, Smaill F, Smith G, **Thomas R**, Fellows LK, Mayo NE. *J Acquir Immune Defic Syndr*. 2020 Aug 1;84(4):336-344.

Development and usability of a feedback tool, "My Personal Brain Health Dashboard", to improve setting of self-management goals among people living with HIV in Canada.

Mozafarinia M, Rajabiyazdi F, **Brouillette MJ**, Fellows LK, Mayo NE. *Qual Life Res*. 2020 Jun 18. doi: 10.1007/s11136-020-02555-w. Online ahead of print.PMID: 32556825.

Comparative effectiveness of buprenorphine-naloxone versus methadone for treatment of opioid use disorder: a population-based observational study protocol in British Columbia, Canada.

Piske M, Thomson T, Krebs E, Hongdilokkul N, **Bruneau J**, Greenland S, Gustafson P, Karim ME, McCandless LC, Maclure M, Platt RW, Siebert U, Socías ME, Tsui JI, Wood E, Nosyk B. *BMJ Open*. 2020 Sep 9;10(9):

Prevalence, Characteristics, and Management of Chronic Noncancer Pain Among People Who Use Drugs: A Cross-Sectional Study.

Kaboré JL, Dassieu L, **Roy É**, **Jutras-Aswad D**, **Bruneau J**, Pagé MG, Choinière M. *Pain Med*. 2020 Aug 31:pnaa232. doi: 10.1093/pm/pnaa232. Online ahead of print.PMID: 32869088

Real-World Eligibility for HIV Pre-exposure Prophylaxis Among People Who Inject Drugs.

Picard J, Jacka B, Høj S, Laverdière É, **Cox J**, **Roy É**, **Bruneau J**. *AIDS Behav*. 2020 Aug;24(8):2400-2408.

Medication treatment for opioid use disorder and community pharmacy: Expanding care during a national epidemic and global pandemic.

Cochran G, **Bruneau J**, Cox N, Gordon AJ. *Subst Abus*. 2020;41(3):269-274.

Deconstructing the 'cheque effect': Short-term changes in injection drug use after receiving income assistance, and associated factors.

Høj SB, Jacka B, Minoyan N, Bussière P, **Bruneau J**. *Addiction*. 2020 Jul 10. doi: 10.1111/add.15192. Online ahead of print.PMID: 32649010.

Estimating the contribution of stimulant injection to HIV and HCV epidemics among people who inject drugs and implications for harm reduction: A modeling analysis.

Cepeda JA, Vickerman P, **Bruneau J**, Zang G, Borquez A, Farrell M, Degenhardt L, Martin NK. *Drug Alcohol Depend*. 2020 Jun 24;213:108135. doi: 10.1016/j.drugalcdep.2020.108135. Online ahead of print.PMID: 32603976.



Potential for virus endogenization in humans through testicular germ cell infection: the case of HIV.

Mahé D, Matusali G, Deleage C, Alvarenga RLLS, Satie AP, Pagliuzza A, Mathieu R, Lavoué S, Jégou B, de França LR, **Chomont N**, Houzet L, Rolland AD, Dejuq-Rainsford N. *J Virol.* 2020 Sep 30;JVI.01145-20. doi: 10.1128/JVI.01145-20. Online ahead of print.PMID: 32999017.

Recommendations for measuring HIV reservoir size in cure-directed clinical trials.

Abdel-Mohsen M, Richman D, Siliciano RF, Nussenzweig MC, Howell BJ, Martinez-Picado J, **Chomont N**, Bar KJ, Yu XG, Lichterfeld M, Alcami J, Hazuda D, Bushman F, Siliciano JD, Betts MR, Spivak AM, Planelles V, Hahn BH, Smith DM, Ho YC, Buzon MJ, Gaebler C, Paiardini M, Li Q, Estes JD, Hope TJ, Kostman J, Mounzer K, Caskey M, Fox L, Frank I, Riley JL, Tebas P, Montaner LJ; BEAT-HIV Delaney Collaboratory to Cure HIV-1 infection. *Nat Med.* 2020 Sep;26(9):1339-1350.

HIV enters deep sleep in people who naturally control the virus.

Chomont N. *Nature.* 2020 Sep;585(7824):190-191.

Single-cell TCR sequencing reveals phenotypically diverse clonally expanded cells harboring inducible HIV proviruses during ART.

Gantner P, Pagliuzza A, Pardons M, Ramgopal M, **Routy JP**, **Fromentin R**, **Chomont N.** *Nat Commun.* 2020 Aug 14;11(1).

Fingolimod inhibits multiple stages of the HIV-1 life cycle.

Resop RS, **Fromentin R**, Newman D, Rigsby H, Dubrovsky L, Bukrinsky M, **Chomont N**, Bosque A. *PLoS Pathog.* 2020 Aug 13;16(8)

The multifaceted nature of HIV latency.

Dufour C, Gantner P, **Fromentin R**, **Chomont N.** *J Clin Invest.* 2020 Jul 1;130(7).

Intact HIV reservoir estimated by the intact proviral DNA assay correlates with levels of total and integrated DNA in the blood during suppressive antiretroviral therapy.

Papasavvas E, Azzoni L, Ross BN, Fair M, Yuan Z, Gyampoh K, Mackiewicz A, Sciorillo AC, Pagliuzza A, Lada SM, Wu G, Goh SL, Bahnck-Teets C, Holder DJ, Zuck PD, Damra M, Lynn KM, Tebas P, Mounzer K, Kostman JR, Abdel-Mohsen M, Richman D, **Chomont N**, Howell BJ, Montaner LJ. *Clin Infect Dis.* 2020 Jun 18:ciaa809. doi: 10.1093/cid/ciaa809. Online ahead of print.PMID: 32556126.

Interleukin-1 β Triggers p53-Mediated Downmodulation of CCR5 and HIV-1 Entry in Macrophages through MicroRNAs 103 and 107.

Lodge R, Bellini N, Laporte M, Salahuddin S, **Routy JP**, **Ancuta P**, **Costiniuk CT**, **Jenabian MA**, **Cohen ÉA.** *mBio.* 2020 Sep 29;11(5).



HIV infection and persistence in pulmonary mucosal double negative T-cells *in vivo*.
Meziane O, Salahuddin S, Pham TNQ, Farnos O, Pagliuzza A, Olivenstein R, Thomson E,
Alexandrova Y, Orlova M, Schurr E, **Ancuta P, Haddad É, Chomont N, Cohen EA, Jenabian
MA, Costiniuk CT**. J Virol. 2020 Sep 23;JVI.01788-20. doi: 10.1128/JVI.01788-20. Online ahead of
print.PMID: 32967958

Primary lung cancer diagnoses in people living with HIV in a large clinical centre in Montreal,
Canada over 3 decades.
Bichara B, **Routy JP**, Ezer N, **Costiniuk CT**. AIDS Care. 2020 Aug; 32(8):979-983.

Acute inflammation and pathogenesis of SARS-CoV-2 infection: Cannabidiol as a potential anti-
inflammatory treatment?
Costiniuk CT, Jenabian MA. Cytokine Growth Factor Rev. 2020 Jun; 53:63-65.

Codeveloping a Virtual Patient Simulation to Foster Nurses' Relational Skills Consistent With
Motivational Interviewing: A Situation of Antiretroviral Therapy Nonadherence.
Rouleau G, Pelletier J, **Côté J**, Gagnon MP, **Martel-Laferrrière V**, Lévesque R; SimforHealth,
Fontaine G. J Med Internet Res. 2020 Jul 15;22(7).

Comparison of SARS-CoV-2 detection from combined nasopharyngeal/oropharyngeal swab
samples by a laboratory-developed real-time RT-PCR test and the Roche SARS-CoV-2 assay on a
cobas 8800 instrument.
Boutin CA, **Grandjean-Lapierre S**, Gagnon S, Labbé AC, Charest H, **Roger M, Coutlée F**. J Clin
Virol. 2020 Sep 4;132:104615. doi: 10.1016/j.jcv.2020.104615. Online ahead of
print.PMID: 32927356

High-Risk Sexual Behavior, Binge Drinking and Use of Stimulants are Key Experiences on the
Pathway to High Perceived HIV Risk among Men Who Have Sex with Men in Brazil.
Luz PM, Torres TS, Almeida-Brasil CC, Marins LMS, Veloso VG, Grinsztejn B, **Cox J**, Moodie EEM.
AIDS Behav. 2020 Sep 17. doi: 10.1007/s10461-020-03035-5. Online ahead of
print.PMID: 32940826.

A randomized pilot study assessing the acceptability of rapid point-of-care hepatitis C virus
(HCV) testing among male inmates in **Montreal**, Canada.
Kronfli N, Dussault C, Chalifoux S, Kavoukian H, **Klein MB, Cox J**. Int J Drug Policy. 2020 Sep
7;85:102921. doi: 10.1016/j.drugpo.2020.102921. Online ahead of print.PMID: 32911319

It's in Me to Give: Canadian Gay, Bisexual, and Queer Men's Willingness to Donate Blood If
Eligible Despite Feelings of Policy Discrimination.
Grace D, Gaspar M, Klassen B, Lessard D, Brennan DJ, Lachowsky NJ, Adam BD, **Cox J, Lambert
G**, Anand P, Jollimore J, Moore D, Hart TA. Qual Health Res. 2020 Sep 4:1049732320952314. doi:
10.1177/1049732320952314. Online ahead of print.PMID: 32887538



A Structural Equation Model of the Effect of Masculinity and Avoidant Coping on Gay and Bisexual Men's Sexual Risk-Taking.

Brown TL, Smith NG, **Cox J**. *AIDS Behav.* 2020 Aug 1. doi: 10.1007/s10461-020-02981-4. Online ahead of print.PMID: 32740828

Combination HIV Prevention Strategies among Montreal Gay, Bisexual, and Other Men Who Have Sex with Men in the PrEP Era: A Latent Class Analysis.

Doyle CM, **Maheu-Giroux M**, **Lambert G**, Mishra S, Apelian H, Messier-Peet M, **Otis J**, Grace D, Hart TA, Moore DM, Lachowsky NJ, **Cox J**; Engage Study Team. *AIDS Behav.* 2020 Jul 9. doi: 10.1007/s10461-020-02965-4. Online ahead of print.PMID: 32648063

A tutorial on dealing with time-varying eligibility for treatment: Comparing the risk of major bleeding with direct-acting oral anticoagulants vs warfarin.

Schnitzer ME, Platt RW, **Durand M**. *Stat Med.* 2020 Aug 18. doi: 10.1002/sim.8715. Online ahead of print.PMID: 32812276

A Systematic Review of Methods Used for Confounding Adjustment in Observational Economic Evaluations in Cardiology Conducted between 2013 and 2017.

Guertin JR, Conombo B, Langevin R, Bergeron F, Holbrook A, Humphries B, Matteau A, Potter BJ, Renoux C, Tarride JÉ, **Durand M**. *Med Decis Making.* 2020 Jul;40(5):582-595.

Cytokines and metabolic regulation: A framework of bidirectional influences affecting Leishmania infection.

Bodhale N, Ohms M, Ferreira C, Mesquita I, Mukherjee A, André S, Sarkar A, **Estaquier J**, Laskay T, Saha B, Silvestre R. *Cytokine.* 2020 Sep 8:155267. doi: 10.1016/j.cyto.2020.155267. Online ahead of print.PMID: 32917471

Early antiretroviral therapy prevents viral infection of monocytes and inflammation in SIV-infected rhesus macaques.

Rabazanahary H, Clain J, Racine G, Andreani G, Benmadid-Laktout G, Borde C, Mammano F, Mesplèdes T, **Ancuta P**, Zghidi-Abouzid O, **Estaquier J**. *J Virol.* 2020 Sep 9:JVI.01478-20. doi: 10.1128/JVI.01478-20. Online ahead of print.PMID: 32907978

Interaction Patterns in Adolescent Romantic Relationships: A Typological Analysis.

Couture S, **Fernet M**, Côté PB. *J Res Adolesc.* 2020 Sep;30(3):706-720.

Cross-sectional evaluation of humoral responses against SARS-CoV-2 Spike.

Prévost J, Gasser R, Beaudoin-Bussièrès G, Richard J, Duerr R, Laumaea A, Anand SP, Goyette G, Benlarbi M, Ding S, Medjahed H, Lewin A, Perreault J, Tremblay T, Gendron-Lepage G, Gauthier N, Carrier M, Marcoux D, **Piché A**, Lavoie M, Benoit A, Loungnarath V, Brochu G, **Haddad E**, Stacey HD, Miller MS, Desforges M, Talbot PJ, Gould Maule GT, Côté M, Therrien C, Serhir B,



Bazin R, **Roger M**, **Finzi A**. *Cell Rep Med*. 2020 Sep 30;100126. doi: 10.1016/j.xcrm.2020.100126. Online ahead of print.PMID: 33015650.

Interaction of Human ACE2 to Membrane-Bound SARS-CoV-1 and SARS-CoV-2 S Glycoproteins. Anand SP, Chen Y, Prévost J, Gasser R, Beaudoin-Bussièrès G, Abrams CF, Pazgier M, **Finzi A**. *Viruses*. 2020 Sep 29;12(10).

Effects of gp120 Inner Domain (ID2) Immunogen Doses on Elicitation of Anti-HIV-1 Functional Fc-Effector Response to C1/C2 (Cluster A) Epitopes in Mice. Sherburn R, Tolbert WD, Gottumukkala S, Beaudoin-Bussièrès G, **Finzi A**, Pazgier M. *Microorganisms*. 2020 Sep 28;8(10).

Real-time conformational dynamics of SARS-CoV-2 spikes on virus particles. Lu M, Uchil PD, Li W, Zheng D, Terry DS, Gorman J, Shi W, Zhang B, Zhou T, Ding S, Gasser R, Prevost J, Beaudoin-Bussièrès G, Anand SP, Laumaea A, Grover JR, Lihong L, Ho DD, Mascola J, **Finzi A**, Kwong PD, Blanchard SC, Mothes W. *bioRxiv*. 2020 Sep 13:2020.09.10.286948. doi: 10.1101/2020.09.10.286948. Preprint.PMID: 32935100

Antibody binding to SARS-CoV-2 S glycoprotein correlates with, but does not predict neutralization. Ding S, Laumaea A, Gasser R, Medjahed H, Pancera M, Stamatatos L, McGuire A, Bazin R, **Finzi A**. *bioRxiv*. 2020 Sep 8:2020.09.08.287482. doi: 10.1101/2020.09.08.287482. Preprint.PMID: 32935094

Opening the HIV envelope: potential of CD4 mimics as multifunctional HIV entry inhibitors. Laumaea A, Smith AB 3rd, Sodroski J, **Finzi A**. *Curr Opin HIV AIDS*. 2020 Sep; 15(5).

The Conformational States of the HIV-1 Envelope Glycoproteins. Wang Q, **Finzi A**, Sodroski J. *Trends Microbiol*. 2020 Aug; 28(8):655-667.

Defining rules governing recognition and Fc-mediated effector functions to the HIV-1 co-receptor binding site. Tolbert WD, Sherburn R, Gohain N, Ding S, Flinko R, Orlandi C, Ray K, **Finzi A**, Lewis GK, Pazgier M. *BMC Biol*. 2020 Jul 21;18(1).

Convergent Evolution of HLA-C Downmodulation in HIV-1 and HIV-2. Hopfensperger K, Richard J, Stürzel CM, Bibollet-Ruche F, Apps R, Leoz M, Plantier JC, Hahn BH, **Finzi A**, Kirchhoff F, Sauter D. *mBio*. 2020 Jul 14;11(4).

Differential Pressures of SERINC5 and IFITM3 on HIV-1 Envelope Glycoprotein over the Course of HIV-1 Infection. Beitari S, Pan Q, **Finzi A**, Liang C. *J Virol*. 2020 Jul 30;94(16).



Genome-wide DNA methylation profiling identifies two novel genes in cervical neoplasia.

El-Zein M, Cheishvili D, Gotlieb W, Gilbert L, Hemmings R, Behr MA, Szyf M, **Franco EL**; MARKER study group. *Int J Cancer*. 2020 Sep 1;147(5):1264-1274.

Transmission reduction and prevention with HPV vaccination (TRAP-HPV) study protocol: a randomised controlled trial of the efficacy of HPV vaccination in preventing transmission of HPV infection in heterosexual couples.

MacCosham A, El-Zein M, Burchell AN, Tellier PP, **Coutlée F**, **Franco EL**. *BMJ Open*. 2020 Aug 11;10(8).

Dual staining for p16/Ki-67 to detect high-grade cervical lesions: Results from the Screening Triage Ascertainning Intraepithelial Neoplasia by Immunostain Testing study.

El-Zein M, Gotlieb W, Gilbert L, Hemmings R, Behr MA, **Franco EL**; STAIN-IT Study Group. *Int J Cancer*. 2020 Aug 11. doi: 10.1002/ijc.33250. Online ahead of print.PMID: 32781481

Characterization of the Vaginal Microbiome in Women of Reproductive Age From 5 Regions in Brazil.

Marconi C, El-Zein M, Ravel J, Ma B, Lima MD, Carvalho NS, Alves RRF, Parada CMGL, Leite SHM, Giraldo PC, Gonçalves AK, **Franco EL**, Silva MG. *Sex Transm Dis*. 2020 Aug;47(8):562-569.

Invited Commentary: Rethinking Cervical Cancer Elimination in Terms of Lifetime Risk Rather Than Arbitrarily-Defined Age-Standardized Incidence Rates.

Malagón T, **Franco EL**. *Am J Epidemiol*. 2020 Jul 8;kwaa120. doi: 10.1093/aje/kwaa120. Online ahead of print.PMID: 32639520

Defining benchmarks for tolerable risk thresholds in cancer screening: Impact of HPV vaccination on the future of cervical cancer screening.

Tota JE, Isidean SD, **Franco EL**. *Int J Cancer*. 2020 Jun 25. doi: 10.1002/ijc.33178. Online ahead of print.PMID: 32588426

Correlation between cervical HPV DNA detection and HPV16 seroreactivity measured with L1-only and L1+L2 viral capsid antigens.

Trevisan A, Candeias JMG, Thomann P, Villa LL, **Franco EL**, Trottier H, The Ludwig-McGill Study Group. *J Med Microbiol*. 2020 Jul;69(7):960-970.

Modeling the Balance of Benefits and Harms of Cervical Cancer Screening with Cytology and Human Papillomavirus Testing.

Malagón T, Mayrand MH, Ogilvie G, Gotlieb WH, Blake J, Bouchard C, **Franco EL**, Kulasingam S. *Cancer Epidemiol Biomarkers Prev*. 2020 Jul;29(7):1436-1446.



Cannabinoid-Induced Immunomodulation during Viral Infections: A Focus on Mitochondria.
Beji C, Loucif H, Telittchenko R, Olnagier D, Dagenais-Lussier X, **van Grevenynghe J**. *Viruses*.
2020 Aug 11;12(8):875.

Correction to: Au-delà de la volonté: les conditions d'empowerment nécessaires pour
abandonner les mutilations génitales féminines à Conakry (Guinée), une ethnographie focalisée.
Doucet MH, Delamou A, Manet H, **Groleau D**. *Reprod Health*. 2020 Jul 23;17(1):113.

Discrete time measures versus trajectories of drinking frequency across adolescence as
predictors of binge drinking in young adulthood: a longitudinal investigation.
Sylvestre MP, Wellman RJ, Ahun MN, Datta G, **Jutras-Aswad D**, O Loughlin J. *BMJ Open*. 2020
Sep 23;10(9).

Challenging CBD protective effect against THC-related outcomes: a call for robust clinical trials.
Mongeau-Pérusse V, **Jutras-Aswad D**. *Addiction*. 2020 Sep 16. doi: 10.1111/add.15254. Online
ahead of print.PMID: 32937004

Inverse relationship between leukocyte telomere length attrition and blood mitochondrial DNA
content loss over time.
Hsieh AYY, Kimmel E, Pick N, Sauvé L, Brophy J, **Kakkar F**, Bitnun A, Murray MCM, Côté HCF.
Aging (Albany NY). 2020 Jul 23;12(15):15196-15221. doi: 10.18632/aging.103703. Epub 2020 Jul
23.PMID: 32703912

Blood mitochondrial DNA levels remain elevated from birth to early life in children HIV-exposed
uninfected exposed to combination antiretroviral therapy in utero.
Ajaykumar A, Zhu M, **Kakkar F**, Brophy J, Bitnun A, Alimenti A, **Soudeyns H**, Saberi S, Albert AYK,
Money DM, CÔTÉ HCF; CIHR Team in Cellular Aging and HIV Comorbidities in Women and
Children (CARMA). *J Infect Dis*. 2020 Jul 8;jiaa410. doi: 10.1093/infdis/jiaa410. Online ahead of
print.PMID: 32638023

Rates of Hospitalization and Infection-Related Hospitalization among Human Immunodeficiency
Virus (HIV)-Exposed Uninfected Children Compared to HIV-Unexposed Uninfected Children in
the United States, 2007-2016.
Labuda SM, Huo Y, Kacanek D, Patel K, Huybrechts K, Jao J, Smith C, Hernandez-Diaz S, Scott G,
Burchett S, **Kakkar F**, Chadwick EG, Van Dyke RB; Pediatric HIV/AIDS Cohort Study. *Clin Infect
Dis*. 2020 Jul 11;71(2):332-339.

Risk of Incident Diabetes Mellitus, Weight Gain, and their Relationships with Integrase Inhibitor-
based Initial Antiretroviral Therapy Among Persons with HIV in the US and Canada.
Rebeiro PF, Jenkins CA, Bian A, Lake JE, Bourgi K, Moore RD, Horberg MA, Matthews WC,
Silverberg MJ, Thorne J, Mayor AM, Lima VD, Palella FJ, Saag MS, Althoff KN, Gill MJ, Wong



C, **Klein MB**, Crane HM, Marconi VC, Shepherd BE, Sterling TR, Koethe JR. *Clin Infect Dis*. 2020 Sep 16;ciaa1403. doi: 10.1093/cid/ciaa1403. Online ahead of print.PMID: 32936919

Prevalent and persistent oncogenic HPV types in a cohort of women living with HIV prior to HPV vaccination.

McClymont E, Lee M, Raboud J, **Coutlée F**, Walmsley S, Lipsky N, Loutfy M, **Trottier S**, Smaill F, **Klein MB**, Harris M, Cohen J, Yudin MH, Wobeser W, Money D. *Int J Gynaecol Obstet*. 2020 Jul;150(1):108-115.

Eliminating Structural Barriers: The Impact of Unrestricted Access on Hepatitis C Treatment Uptake among People Living With Human Immunodeficiency Virus.

Saeed S, Strumpf E, Moodie EEM, Wong L, Cox J, Walmsley S, Tyndall M, Cooper C, Conway B, Hull M, **Martel-Laferrriere V**, Gill J, Wong A, Vachon ML, **Klein MB**; Canadian Coinfection Cohort Study Investigators. *Clin Infect Dis*. 2020 Jul 11;71(2):363-371.

Hypercoagulopathy and Adipose Tissue Exacerbated Inflammation May Explain Higher Mortality in COVID-19 Patients With Obesity.

Pasquarelli-do-Nascimento G, Braz-de-Melo HA, Faria SS, Santos IO, **Kobinger GP**, Magalhães KG. *Front Endocrinol (Lausanne)*. 2020 Jul 28;11:530.

Oral Vaccination With Recombinant Vesicular Stomatitis Virus Expressing Sin Nombre Virus Glycoprotein Prevents Sin Nombre Virus Transmission in Deer Mice.

Warner BM, Jangra RK, Griffin BD, Stein DR, Kobasa D, Chandran K, **Kobinger GP**, Safronetz D. *Front Cell Infect Microbiol*. 2020 Jul 8;10:333.

CRISPR-Cas13a Inhibits HIV-1 Infection.

Yin L, Zhao F, Sun H, Wang Z, Huang Y, Zhu W, Xu F, Mei S, Liu X, Zhang D, Wei L, Cen S, Hu S, **Liang C**, Guo F. *Mol Ther Nucleic Acids*. 2020 Sep 4;21:147-155.

Differential Pressures of SERINC5 and IFITM3 on HIV-1 Envelope Glycoprotein over the Course of HIV-1 Infection.

Beitari S, Pan Q, **Finzi A**, **Liang C**. *J Virol*. 2020 Jul 30;94(16).

Optimizing smartphone intervention features to improve chronic disease management: A rapid review.

Gomolin A, **Lebouché B**, Engler K, Vedel I. *Health Informatics J*. 2020 Sep;26(3):1795-1809.

The involvement of people living with HIV in the development of HIV-specific or inclusive health instruments: a mixed methods review.

Lénárt A, Engler K, Lessard D, Toupin I, Rodríguez C, **Lebouché B**. *AIDS Care*. 2020 Jul;32(7):801-810.



A Randomized Controlled Study to Evaluate the Safety and Reactogenicity of a Novel rVLP-Based Plant Virus Nanoparticle Adjuvant Combined with Seasonal Trivalent Influenza Vaccine Following Single Immunization in Healthy Adults 18-50 Years of Age.

Langley J, Pastural E, Halperin S, McNeil S, ElSherif M, MacKinnon-Cameron D, Ye L, Grange C, Thibodeau V, Cailhier JF, Lapointe R, McElhanev J, Martin L, Bolduc M, Laliberté-Gagné ME, **Leclerc D**, Savard P. *Vaccines (Basel)*. 2020 Jul 20;8(3).

Identification of the nuclear and nucleolar localization signals of the Feline immunodeficiency virus Rev protein.

Marchand C, **Lemay G**, Archambault D. *Virus Res*. 2020 Sep 30:198153. doi: 10.1016/j.virusres.2020.198153. Online ahead of print.PMID: 33010374

Pre-exposure prophylaxis uptake among men who have sex with men who used non-occupational post-exposure prophylaxis: a longitudinal analysis of attendees at a large sexual health clinic in Montréal (Canada).

Xia Y, Greenwald ZR, Milwid RM, Claire T, Boissonnault M, Gaul N, Charest L, Landry G, Navid ZN, Szabo J, **Thomas R**, **Maheu-Giroux M**. *J Acquir Immune Defic Syndr*. 2020 Aug 19. doi: 10.1097/QAI.0000000000002472. Online ahead of print.PMID: 32826567

Trends in hepatitis C virus seroprevalence and associated risk factors among men who have sex with men in Montréal: results from three cross-sectional studies (2005, 2009, 2018).

Lanièce Delaunay C, **Cox J**, **Klein M**, **Lambert G**, Grace D, Lachowsky NJ, **Maheu-Giroux M**. *Sex Transm Infect*. 2020 Jul 23: sextrans-2020-054464. doi: 10.1136/sextrans-2020-054464. Online ahead of print.PMID: 32703845

Codeveloping a Virtual Patient Simulation to Foster Nurses' Relational Skills Consistent With Motivational Interviewing: A Situation of Antiretroviral Therapy Nonadherence.

Rouleau G, Pelletier J, Côté J, Gagnon MP, **Martel-Laferrrière V**, Lévesque R; SimforHealth, Fontaine G. *J Med Internet Res*. 2020 Jul 15;22(7).

Diverse Types of Diterpenoids with an Aromatized C Ring from the Twigs of *Podocarpus imbricatus*.

Zhou B, Ren YH, Han YS, **Mesplède T**, Yue JM. *J Nat Prod*. 2020 Aug 28;83(8):2416-2424.

Leishmania Viannia guyanensis, LRV1 virus and extracellular vesicles: a dangerous trio influencing the faith of immune response during muco-cutaneous leishmaniasis.

Olivier M, Zamboni DS. *Curr Opin Immunol*. 2020 Aug 30;66:108-113. doi: 10.1016/j.coi.2020.08.004. Online ahead of print.PMID: 32877837

Unravelling the proteomic signature of extracellular vesicles released by drug-resistant Leishmania infantum parasites.



Douanne N, Dong G, Douanne M, **Olivier M**, Fernandez-Prada C. *PLoS Negl Trop Dis*. 2020 Jul 6;14(7).

A meta-analysis of anal cancer incidence by risk group: Toward a unified anal cancer risk scale. Clifford GM, Georges D, Shiels MS, Engels EA, Albuquerque A, Poynten IM, **de Pokomandy A**, Eason AM, Stier EA. *Int J Cancer*. 2020 Jul 4. doi: 10.1002/ijc.33185. Online ahead of print. PMID: 32621759

IgG-aggregates rapidly upregulate FcγRI expression at the surface of human neutrophils in a FcγRII-dependent fashion: A crucial role for FcγRI in the generation of reactive oxygen species. Huot S, Laflamme C, Fortin PR, Boilard E, **Pouliot M**. *FASEB J*. 2020 Sep 18. doi: 10.1096/fj.202001085R. Online ahead of print. PMID: 32946139

Natural killer cell phenotype is altered in HIV-exposed seronegative women. Zhao NQ, Vendrame E, Ferreira AM, Seiler C, Ranganath T, **Alary M**, Labbé AC, Guédou F, **Poudrier J**, Holmes S, **Roger M**, Blish CA. *PLoS One*. 2020 Sep 1;15(9).

Anti-CMV IgG is linked to CD4 T-cell count decay in HIV elite controllers. **Isnard S**, Ramendra R, Lin J, Kant S, Fombuena B, Ouyang J, Peng X, **El Far M**, **Tremblay C**, **Bernard NF**, **Routy JP**; Canadian cohort of HIV+ slow progressors. *Clin Infect Dis*. 2020 Aug 5:ciaa1129. doi: 10.1093/cid/ciaa1129. Online ahead of print. PMID: 32756974

Cytomegalovirus Seropositivity Is Associated With Increased Microbial Translocation in People Living With Human Immunodeficiency Virus and Uninfected Controls. Ramendra R, **Isnard S**, Lin J, Fombuena B, Ouyang J, Mehraj V, Zhang Y, Finkelman M, **Costiniuk C**, **Lebouché B**, **Chartrand-Lefebvre C**, **Durand M**, **Tremblay C**, **Ancuta P**, **Boivin G**, **Routy JP**. *Clin Infect Dis*. 2020 Sep 12;71(6):1438-1446.

Repurposing Metformin in Nondiabetic People With HIV: Influence on Weight and Gut Microbiota. **Isnard S**, Lin J, Fombuena B, Ouyang J, Varin TV, Richard C, Marette A, Ramendra R, Planas D, Raymond Marchand L, Messaoudene M, Van der Ley CP, Kema IP, Sohail Ahmed D, Zhang Y, Finkelman M, Routy B, Angel J, **Ancuta P**, **Routy JP**. *Open Forum Infect Dis*. 2020 Sep 11;7(9).

Treating From the Inside Out: Relevance of Fecal Microbiota Transplantation to Counteract Gut Damage in GVHD and HIV Infection. Ouyang J, **Isnard S**, Lin J, Fombuena B, Peng X, Nair Parvathy S, Chen Y, Silverman MS, **Routy JP**. *Front Med (Lausanne)*. 2020 Aug 6;7:421.

Glucan rich nutrition does not increase gut translocation of Beta glucan.



Hoenigl M, Lin J, Finkelman M, Zhang Y, Karris MY, Letendre S, Ellis RJ, Burke L, Richard B, Gaufin T, **Isnard S**, **Routy JP**, Gianella S. *Mycoses*. 2020 Aug 11. doi: 10.1111/myc.13161. Online ahead of print.PMID: 32780885

Anti-CMV IgG is linked to CD4 T-cell count decay in HIV elite controllers.

Isnard S, Ramendra R, Lin J, Kant S, Fombuena B, Ouyang J, Peng X, **El Far M**, **Tremblay C**, **Bernard NF**, **Routy JP**; Canadian cohort of HIV+ slow progressors. *Clin Infect Dis*. 2020 Aug 5:ciaa1129. doi: 10.1093/cid/ciaa1129. Online ahead of print.PMID: 32756974

Drug efflux transporters and metabolic enzymes in human circulating and testicular T-cell subsets: relevance to HIV pharmacotherapy.

Whyte-Allman SK, Hoque MT, Gilmore JC, Kaul R, **Routy JP**, Bendayan R; Orchid Study Group. *AIDS*. 2020 Aug 1;34(10):1439-1449.

CTL Clonotypes with Higher TCR Affinity Have Better Ability to Reduce the HIV Latent Reservoir.

Lima NS, Takata H, Huang SH, Haregot A, Mitchell J, Blackmore S, Garland A, Sy A, Cartwright P, **Routy JP**, Michael NL, Appay V, Jones RB, Trautmann L. *J Immunol*. 2020 Aug 1;205(3):699-707.

"It did not apply to me": poker players' perspectives of prevention messages.

Morvannou A, Monson E, Savard AC, Kairouz S, **Roy É**, Dufour M. *Can J Public Health*. 2020 Aug;111(4):617-626.

NASH in HIV.

Cervo A, Shengir M, Patel K, **Sebastiani G**. *Curr HIV/AIDS Rep*. 2020 Sep 28. doi: 10.1007/s11904-020-00531-0. Online ahead of print.PMID: 32984925

Increased BMI and Type 2 diabetes are the main predictors of NAFLD and advanced fibrosis in liver biopsies of patients with HIV mono-infection.

Maurice JB, Goldin R, Hall A, Price JC, **Sebastiani G**, Morse CG, Prat L, Perazzo H, Garvey L, Ingiliz P, Guaraldi G, Tsochatzis E, Lemoine M. *Clin Infect Dis*. 2020 Sep 2:ciaa1302. doi: 10.1093/cid/ciaa1302. Online ahead of print.PMID: 32877569

Intravoxel incoherent motion diffusion-weighted MRI for the characterization of inflammation in chronic liver disease.

Lefebvre T, Hébert M, Bilodeau L, **Sebastiani G**, Cerny M, Olivié D, Gao ZH, Sylvestre MP, Cloutier G, Nguyen BN, Gilbert G, Tang A. *Eur Radiol*. 2020 Sep 2. doi: 10.1007/s00330-020-07203-y. Online ahead of print.PMID: 32876833

Inference about time-dependent prognostic accuracy measures in the presence of competing risks.

Dey R, **Sebastiani G**, Saha-Chaudhuri P. *BMC Med Res Methodol*. 2020 Aug 28;20(1):219.



Liver steatosis and non-alcoholic fatty liver disease with fibrosis are predictors of frailty in people living with HIV.

Milic J, Menozzi V, Schepis F, Malagoli A, Besutti G, Franconi I, Raimondi A, Carli F, Mussini C, **Sebastiani G**, Guaraldi G. *AIDS*. 2020 Aug 7. doi: 10.1097/QAD.0000000000002650. Online ahead of print. PMID: 32773473

Reply to: Giannini, et al.

Merchante N, Macias J, **Sebastiani G**. *Clin Infect Dis*. 2020 Jul 13:ciaa970. doi: 10.1093/cid/ciaa970. Online ahead of print. PMID: 32658297

Monitoring Occurrence of Liver-Related Events and Survival by Transient Elastography in Patients With Nonalcoholic Fatty Liver Disease and Compensated Advanced Chronic Liver disease.

Petta S, **Sebastiani G**, Viganò M, Ampuero J, Wai-Sun Wong V, Boursier J, Berzigotti A, Bugianesi E, Fracanzani AL, Cammà C, Enea M, Grottes MD, Di Marco V, Younes R, Keyrouz A, Mazzola S, Mendoza Y, Pennisi G, Romero-Gomez M, Craxi A, de Ledinghen V. *Clin Gastroenterol Hepatol*. 2020 Jul 1:S1542-3565(20)30908-3. doi: 10.1016/j.cgh.2020.06.045. Online ahead of print. PMID: 32621970

Blood mitochondrial DNA levels remain elevated from birth to early life in children HIV-exposed uninfected exposed to combination antiretroviral therapy in utero.

Ajaykumar A, Zhu M, **Kakkar F**, Brophy J, Bitnun A, Alimenti A, **Soudeyns H**, Saberi S, Albert AYK, Money DM, CÔTÉ HCF; CIHR Team in Cellular Aging and HIV Comorbidities in Women and Children (CARMA). *J Infect Dis*. 2020 Jul 8;jiaa410. doi: 10.1093/infdis/jiaa410. Online ahead of print. PMID: 32638023

Impact of Loneliness on Brain Health and Quality of Life Among Adults Living With HIV in Canada.

Harris M, Brouillette MJ, Scott SC, Smaill F, Smith G, **Thomas R**, Fellows LK, Mayo NE. *J Acquir Immune Defic Syndr*. 2020 Aug 1;84(4):336-344.

A mixed-method randomized feasibility trial evaluating progressive muscle relaxation or autogenic training on depressive symptoms and quality of life in people living with human immunodeficiency virus (HIV) who have depressive symptoms.

Ramirez-Garcia MP, Leclerc-Loiselle J, Gagnon MP, Côté J, **Brouillette MJ**, **Thomas R**. *J Complement Integr Med*. 2020 Jul 3:/j/jcim.ahead-of-print/jcim-2019-0167/jcim-2019-0167.xml. doi: 10.1515/jcim-2019-0167. Online ahead of print. PMID: 32621729

What are the situational and behavioral factors associated with condomless anal sex without pre-exposure prophylaxis in MSM?



Di Ciaccio M, Sagaon-Teyssier L, Mimi M, Suzan-Monti M, Protiere C, Castro DR, Meyer L, **Tremblay C**, Chidiac C, Capitant C, Préau M, Molina JM, Spire B; ANRS IPERGAY Study Group. *AIDS*. 2020 Jul 15;34(9):1367-1375.

Increased carotid artery wall stiffness and plaque prevalence in HIV infected patients measured with ultrasound elastography.

Roy Cardinal MH, **Durand M**, **Chartrand-Lefebvre C**, **Fortin C**, **Baril JG**, **Trottier B**, **Routy JP**, Soulez G, **Tremblay C**, Cloutier G. *Eur Radiol*. 2020 Jun;30(6):3178-3187.

The delicate balance between neurotoxicity and neuroprotection in the context of HIV-1 infection.

Sénécal V, Barat C, **Tremblay MJ**. *Glia*. 2020 Sep 10. doi: 10.1002/glia.23904. Online ahead of print.PMID: 32910482

Switching to bicitgravir, emtricitabine, and tenofovir alafenamide in virologically suppressed adults with HIV.

Sax PE, Rockstroh JK, Luetkemeyer AF, Yazdanpanah Y, Ward D, **Trottier B**, Rieger A, Liu H, Acosta R, Collins SE, Brainard DM, Martin H; 380-4030 Investigators. *Clin Infect Dis*. 2020 Jul 15:ciaa988. doi: 10.1093/cid/ciaa988. Online ahead of print.PMID: 32668455

Correlation between cervical HPV DNA detection and HPV16 seroreactivity measured with L1-only and L1+L2 viral capsid antigens.

Trevisan A, Candeias JMG, Thomann P, Villa LL, **Franco EL**, **Trottier H**, The Ludwig-McGill Study Group. *J Med Microbiol*. 2020 Jul;69(7):960-970.

Dental amalgams and risk of gestational hypertension in the MIREC study.

Louopou RC, **Trottier H**, Arbuckle TE, Fraser WD. *Pregnancy Hypertens*. 2020 Jul;21:84-89.

Integrating the prevention of mother-to-child transmission of HIV into primary healthcare services after AIDS denialism in South Africa: perspectives of experts and health care workers - a qualitative study.

Mutabazi JC, Gray C, Muhwava L, **Trottier H**, Ware LJ, Norris S, Murphy K, Levitt N, Zarowsky C. *BMC Health Serv Res*. 2020 Jun 26;20(1):582.

Predictors of *Clostridioides difficile* Infection Among Asymptomatic, Colonized Patients: A Retrospective Cohort Study.

Poirier D, Gervais P, Fuchs M, Roussy JF, Paquet-Bolduc B, **Trottier S**, Longtin J, Loo VG, Longtin Y. *Clin Infect Dis*. 2020 May 6;70(10):2103-2210.

Reply to Qin, et al.

Tsoukas C, Poloni C. *Clin Infect Dis*. 2020 Jun 4:ciaa664. doi: 10.1093/cid/ciaa664. Online ahead of print.PMID: 32496544