

## ***Lista de lucrari***

**D<sup>re</sup> Petronela ANCUTA, Ph. D.**

**Professeure titulaire**

**Département de microbiologie, infectiologie et immunologie**

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**B – PUBLICATIONS**

**70 PUBLICATIONS RÉPERTORIÉES SUR PUBMED**

(<https://pubmed.ncbi.nlm.nih.gov/?term=ancuta+p&sort=date>)

**WEB OF KNOWLEDGE: H-INDEX 29, 2019 CITATIONS: 661**

**GOOGLE SCHOLAR: H-INDEX 34; i10-INDEX 57; TOTAL CITATIONS: 8,519**

**1) LIVRES, BROCHURES, RAPPORTS A DES ORGANISMES GOUVERNEMENTAUX OU AUTRES sans objet**

**2) CHAPITRES DE LIVRES**

2007 Helena Schmidtmayerova, **Petronela Ancuta**, and Gianfranco Pancini. *Monocyte and macrophage susceptibility to HIV infection : pathophysiological implications. HIV and Macrophage*, 1-34, Transworld Research Network. Editor: Georges Herbein.

**3) PUBLICATIONS DE RECHERCHE OU D'ERUDITION DANS DES REVUES DOTEES DE COMITES DE PAIRS**

• **Formation de maîtrise (total : 3 ; premier auteure : 2)**

1996 **Petronela Ancuta**, Thierry Pedron, Gunnar Sandröm, and Richard Chaby. *Inability of the Francisella tularensis lipopolysaccharide to mimic or to antagonize the induction of cell activation by endotoxins. Infection and Immunity*, 1996, 64: 2041-2046.

1996 Hassan Fahmi, **Petronela Ancuta**, Stephane Perrier, and Richard Chaby. *Preexposure of mouse peritoneal macrophages to lipopolysaccharides and other stimuli enhances the nitric oxide response to secondary stimuli. Inflammation Research*, 1996, 45: 347-356.

1997 **Petronela Ancuta**, Hassan Fahmi, Jean-François Ponce, Karine Le Blay, and Richard Chaby. *Involvement of membrane form of tumour necrosis factor-alpha in lipopolysaccharide-induced priming of mouse peritoneal macrophages for enhanced nitric oxide production to lipopolysaccharides. Immunology*, 1997, 92: 259-266.

• **Formation doctorale (total : 4 ; premier auteure : 2)**

1999 Laurence Weiss, **Petronela Ancuta**, Pierre-Marie Girard, Hicham Bouhlal, Anne Roux, Nicole Haeffner-Cavaillon, and Michel D. Kazatchkine. *Restoration of normal IL-2 production by CD4<sup>+</sup> T cells of HIV-infected individuals after nine months of highly active antiretroviral therapy. Journal of Infectious Diseases*, 1999, 180(4): 1057-1063.

2000 **Petronela Ancuta**, Laurence Weiss, and Nicole Haeffner-Cavaillon. *CD14<sup>+</sup>CD16<sup>++</sup> cells derived in vitro from peripheral blood monocytes exhibit phenotypic and functional dendritic cell-like characteristics. The European Journal of Immunology*, 2000 Jul, 30 (7): 1872-1883.

2001 **Petronela Ancuta**, Youssef Bakri, Nicolas Chomont, Hakim Hocini, Dana Gabuzda, and Nicole Haeffner-Cavaillon. *Opposite effects of IL-10 on the ability of dendritic cells and macrophages to replicate primary CXCR4-dependent HIV-1 strains. The Journal of Immunology*, 2001, 166 (6): 4244-4253.

2001 Hakim Hocini, Pierre Becquart, Hicham Bouhlal, Nicolas Chomont, **Petronela Ancuta**, Michel Kazatchkine, and Laurent Belec. *Active and selective transcytosis of cell-free human immunodeficiency virus through a tight polarized monolayer of human endometrial cells. The Journal of Virology*, 2001, 75 (11): 5370-5374.

• **Formation postdoctorale (total : 9 ; premier auteure : 6)**

2003 **Petronela Ancuta**, Ravi Rao, Ashlee Moses, Andrew Mehle, Sunil K. Shaw, F. William Luscinskas, and Dana Gabuzda. *Fractalkine preferentially mediates arrest and migration of CD16<sup>+</sup> monocytes. The Journal of Experimental Medicine*, 2003, 197 (12): 1701–1707

- 2004 Andrew Mehle, Bettina Strack, **Petronela Ancuta**, and Dana Gabuzda. *Vif overcomes the innate antiviral activity of APOBEC3G by promoting its degradation in the ubiquitin-proteasome pathway.* Journal of Biological Chemistry, 2004, 279 (9): 7792-7798
- 2004 **Petronela Ancuta**, Ashlee Moses, and Dana Gabuzda. *Transendothelial migration of CD16<sup>+</sup> monocytes in response to fractalkine under constitutive and inflammatory conditions.* Immunobiology, 2004, 209, 11-20
- 2006 **Petronela Ancuta**, Kevin Kunstman, Patrick Autissier, Tauheed Zaman, David stone, Steven M. Wolinski, and Dana Gabuzda. *CD16<sup>+</sup> monocytes exposed to HIV promote highly efficient viral replication upon differentiation into macrophages and interaction with T cells.* Virology, 2006, 344, 267-276
- 2006 **Petronela Ancuta**, Patrick Autissier, Alysse Wurcel, Tauheed Zaman, David Stone, and Dana Gabuzda. *CD16<sup>+</sup> monocytes/macrophages activate resting T cells for HIV infection by producing CCR3 and CCR4 ligands.* The Journal of Immunology, 2006 May 15;176(10):5760-71.
- 2006 Pedro A. Reche, Derin B. Keskin, Rebecca E. Hussey, **Petronela Ancuta**, Dana Gabuzda and Ellis L. Reinherz. *Elicitation from virus-naïve individuals of cytotoxic T lymphocytes directed against conserved HIV-1 epitopes.* Medical Immunology, 2006, May 4; 5(1):1
- 2006 Rebecca Dunfee, Elaine Thomas, Paul R. Gorry, Jianbin Wang, Petronela Ancuta, and Dana Gabuzda. *Mechanisms of HIV-1 neurotropism.* Current HIV Research, 2006 Jul;4(3):267-78. Review.
- 2006 **Petronela Ancuta**, Jianbin Wang, and Dana Gabuzda. *Endothelial cell-expressed CX3CL1 triggers preferential production of IL-6, CCL2, and matrix metalloproteinase (MMP)-9 in CD16<sup>+</sup> monocytes.* The Journal of Leukocyte Biology. 2006 Nov;80(5):1156-64.
- 2008 **Petronela Ancuta**, Anupa Kamat, Kevin J. Kunstman, Eun-Young Kim, Patrick Autissier, Alysse Wurcel, Tauheed Zaman, David Stone, Megan Mefford, S É-U,n Morgello, Elyse J. Singer, Steven M. Wolinsky, and Dana Gabuzda. *Microbial translocation is associated with increased monocyte activation and dementia in AIDS patients.* PlosOne, Jun 2008, vol 3, Issue 6, e2516

• **Chercheur principal (total : 54; auteure de correspondance : 19)**

***\*, I act as the corresponding author(s); membres du laboratoire Ancuta***

- 2008 van Grevenynghe, J., R. Halwani, N. Chomont, **P. Ancuta**, Y. Peretz, A. Tanel, F.A. Procopio, Y. shi, E.A. Said, E.K. Haddad, and R.P. Sekaly. 2008. *Lymph node architecture collapse and consequent modulation of FOXO3a pathway on memory T- and B-cells during HIV infection.* Semin Immunol 20:196-203.
- 2009 Nicolas Chomont, Mohamed El-Far, **Petronela Ancuta**, Lydie Trautmann, Francesco A. Procopio, Bader Yassine-Diab, Genevieve Boucher, Mohamed-Rachid Boulassel, Brenna J. Hill, Daniel C. Douek, Jean-Pierre Routy, Elias K. Haddad and Rafick-Pierre Sékaly. *HIV-1 reservoir size and persistence are driven by T-cell survival and homeostatic proliferation.* Nature Medicine, 2009, Aug;15(8):893-900
- 2009 **Petronela Ancuta\***, K.Y. Liu, V.S. Wacleche, A. Gosselin, V. Misra, X. Zhu, and G. Gabuzda\***. 2009. *Transcriptional profiling reveals developmental relationship and biological functions of CD16<sup>+</sup> and CD16<sup>-</sup> monocyte subsets.* BMC Genomics, 2009. Aug 27;10(1):403. \*, auteurs de correspondance

***#, results generated in part as a post-doctoral fellow at DFCI, Harvard, Boston (2001-2006) and Chercheur principal at CRCHUM (2006- )***

- 2010 Annie Gosselin#, Patricia Monteiro, Nicolas Chomont, Felipe Diaz-Griffero, Vanessa Wacleche, Elias A. Said, Simone Fonseca, Mohamed El-Far, Mohamed-Rachid Boulassel, Jean-Pierre Routy, Rafick-Pierre Sekaly, and **Petronela Ancuta\***. *Peripheral blood CCR4<sup>+</sup>CCR6<sup>+</sup> and CXCR3<sup>+</sup>CCR6<sup>+</sup>***

*but not CXCR3<sup>+</sup>CCR6<sup>+</sup> CD4<sup>+</sup> T-cells are highly permissive to HIV-1 infection. The Journal of Immunology. 2010 Feb 1;184(3):1604-16.*

*This article was selected by MDLinx as the weekly top 10 best article in HIV immunodeficiency (newsletter@newstwo.mdlinx.com) and is presented on the JI ImmunoCast (<http://www.jimmunol.org/rss/jipodcast.dtl>) among the best articles of the February 1<sup>st</sup> 2010, issue. #, AG is a research assistant in my laboratory (2007- ); PM was a postdoctoral fellow in my laboratory (2008-2011)*

- 2010 Elias A. Said, Frack P. Dupuy, Lydie Trautmann, Yuwei Zhang, Yu Shi, Mohamed El-Far, Brenna J. Hill, Alessandra Nato, **Petronela Ancuta**, Julien Van Grevenynghe, Mohamed R. Boulassel, Julie Bruneau, Naglaa H. Shoukry, Jean-Pierre Routy, Daniel C. Douek, Elias K. Haddad, Rafick P. Sekaly. *PD-1 Induced IL-10 Production by Monocytes Impairs CD4 T-Cell Activation during HIV Infection. Nature Medicine, Avril 2010, 16(4): 452-459.*
- 2010 Petronela Ancuta\***, [Patricia Monteiro](#), and Rafick-Pierre Sekaly. *Th17 lineage commitment and HIV-1 pathogenesis. Current Opinion in HIV and AIDS. Mars 2010, 5 (2): 158-165. Review.*
- 2010 Loems Ziegler-Heitbrock, **Petronela Ancuta**, Suzanne Crowe, Marc Dalod, Veronika Grau, Derek Hart, Steffen Jung, Pieter J.M. Leenen, Yon-Jun Liu, Markus Manz, Gordon MacPherson, Gwendalyn Randolph, Jürgen Scherberich, Jürgen Schmitz, Ken Shortman, Silvano Sozzani, Ralph M. Steinman, Herbert Strobl, Marek Zembala, Jonathan M. Austyn, Manfred B. Lutz. *Nomenclature of peripheral blood monocytes and dendritic cells. Blood. 2010 Oct 21;116(16):e74-80.*
- I contributed to this nomenclature manuscript as a nominated member of the "International Union of Immunological Societies (IUIS) Nomenclature Sub-Committee on Monocytes and Dendritic cells" since Septembre 2008*
- 2010 Anupa Kamat, **Petronela Ancuta**, Richard Blumberg, and Dana Gabuzda. *Serological markers for inflammatory bowel disease in patients with chronic HIV infection and evidence of microbial translocation. PlosOne. 2010 Nov 15;5(11):e15533.*
- 2011 Nicolas Chomont, Sandrina Da Fonseca, Claire Vandergeeten, **Petronela Ancuta**, and Rafick-Pierre Sekaly. *Maintenance of CD4<sup>+</sup> T Cell Memory and HIV Persistence: Keeping Memory, Keeping HIV. Current Opinion in HIV and AIDS. 2011 Jan;6(1):30-6.*
- 2011** Paul R. Gorry and **Petronela Ancuta**. *Co-Receptors and HIV Pathogenesis. Current HIV/AIDS reports. 2011 Mar;8(1):45-53.*
- 2011 Simone G Fonseca, Francesco Procopio, Bader Yassine-Diab, Jean-Philippe Goulet, **Petronela Ancuta**, Rafick-Pierre Sekaly. *Unique Features of Memory T-Cells in HIV Elite Controllers: A Systems Biology Perspective. Current Opinion in HIV and AIDS. 2011 May;6(3):188-96.*
- 2011** [Patricia Monteiro](#), [Annie Gosselin](#), [Vanessa Wacleche](#), Mohamed El-Far, Hassen Kared, Elias A Said, Nathalie Grandvaux, Mohamed-Rachid Boulassel, Jean-Pierre Routy, **Petronela Ancuta\***. **2011. Memory CCR6<sup>+</sup>CD4<sup>+</sup> T-Cells are Preferential Targets for Productive HIV-1 Infection Regardless of their Expression of Integrin Beta7. The Journal of Immunology. 2011 Apr 15;186(8):4618-30.**  
*#, PM was a postdoctoral fellow in my laboratory (2008-2011)*
- 2011 Lyons JL, Uno H, **Ancuta P**, Kamat A, Moore DJ, Singer EJ, Morgello S, Gabuzda D. *Plasma sCD14 is a Biomarker Associated with Impaired Neurocognitive Test Performance in Attention and Learning Domains in HIV Infection. J Acquir Immune Defic Syndr. 2011 Jun 3.*
- 2012 Kamat A, Misra V, Cassol E, **Ancuta P**, Yan Z, Li C, Morgello S, Gabuzda D. *A plasma biomarker signature of immune activation in HIV patients on antiretroviral therapy. PLoS One. 2012;7(2):e30881.*
- 2012** [Vanessa Wacleche](#), [Annie Gosselin](#), [Patricia Monteiro](#), Hassen Kared, Mohamed-Rachid Boulassel, Nicole Bernard, Cécile Tremblay, Jean-Pierre Routy, and **Petronela Ancuta\***. *The Colocalization*

- Potential of HIV-Specific CD4<sup>+</sup> and CD8<sup>+</sup> T-Cells is Differentially Mediated by Integrin  $\beta$ 7 and CCR6 and Regulated by Retinoic Acid. PlosOne. 2012;7(3):e32964. \*corresponding author #, VW was a MSc student (2007-2010) and is now a PhD Student in my laboratory*
- 2013 Jenabian MA, **Ancuta P**, Gilmore N, and Routy JP. *Regulatory T cells in HIV infection: can immunotherapy regulate the regulator?* Clin Dev Immunol. 2012;2012:908314. doi: 10.1155/2012/908314. Revue
- 2013 El-Far M, Isabelle C, Chomont N, Bourbonnière M, Fonseca S, **Ancuta P**, Peretz Y, Chouikh Y, Halwani R, Schwartz O, Madrenas J, Freeman GJ, Routy JP, Haddad EK, Sékaly RP. *Down-regulation of CTLA-4 by HIV-1 Nef protein.* PLoS One. 2013;8(1):e54295. doi: 10.1371/journal.pone.0054295.
- 2013 Pelletier S, Bédard N, Said E, **Ancuta P**, Bruneau J, Shoukry NH. *Sustained Hyperresponsiveness of Dendritic Cells is Associated with Spontaneous Resolution of Acute Hepatitis C.* J Virol. 2013.
- 2013 Jenabian MA, Patel M, Kema I, Kanagaratham C, Radzioch D, Thebault P, Lapointe R, Tremblay C, Gilmore N, **Ancuta P**, Routy JP. 2013. *Distinct tryptophan catabolism and Th17/Treg balance in HIV progressors and elite controllers.* PLoS One 2013 Oct 16;8(10):e78146
- 2013** Bernier A, Cleret-Buhot A, Zhang Y, Goulet JP, Monteiro P, Gosselin A, Dafonseca S, Wacleche VS, Jenabian MA, Routy JP, Tremblay C, **Ancuta P**\*. 2013. *Transcriptional profiling reveals molecular signatures associated with HIV permissiveness in Th1Th17 cells and identifies Peroxisome Proliferator-Activated Receptor Gamma as an intrinsic negative regulator of viral replication.* Retrovirology 2013 Dec 21;10(1):160.  
*#, AB and ACB equally contributed to this work; AB was a MSc Student (2010- 2013), while ACB was PDF (2011-2013) in my laboratory. YZ is a PDF in my laboratory since Juillet 2013.*
- 2014 Jenabian MA, Patel M, Kema I, Vyboh K, Kanagaratham C, Radzioch D, Thébault P, Lapointe R, Gilmore N, **Ancuta P**, Tremblay C, Routy JP. *Soluble CD40-ligand (sCD40L, sCD154) plays an immunosuppressive role via regulatory T cell expansion in HIV infection.* Clin Exp Immunol. 2014 Oct;178(1):102-11. doi: 10.1111/cei.12396.
- 2015 Routy JP, Angel JB, Patel M, Kanagaratham C, Radzioch D, Kema I, Gilmore N, **Ancuta P**, Singer J, Jenabian MA. *Assessment of chloroquine as a modulator of immune activation to improve CD4 recovery in immune nonresponding HIV-infected patients receiving antiretroviral therapy.* HIV Med. 2015 Jan;16(1):48-56. doi: 10.1111/hiv.12171.
- 2015 Jenabian MA, El-Far M, Vyboh K, Kema I, Costiniuk CT, Thomas R, Baril JG, LeBlanc R, Kanagaratham C, Radzioch D, Allam O, Ahmad A, Lebouché B, Tremblay C, **Ancuta P**, Routy JP; for the Montreal Primary infection and Slow Progressor Study Groups. *Immunosuppressive tryptophan catabolism and gut mucosal dysfunction following early HIV infection.* J Infect Dis. 2015 Jan 23.
- 2015 El-Far M, **Ancuta P**, Routy JP, Zhang Y, Bakeman W, Bordi R, DaFonseca S#, Said EA, Gosselin A, Tep TS#, Eichbaum Q, van Grevenynghe J, Schwartz O, Freeman GJ, Haddad EK, Chomont N, Sekaly RP. *Nef promotes evasion of HIV-1 infected cells from the CTLA-4-mediated inhibition of T cell activation.* J Gen Virol. 2015 Jan 27.
- 2015** Sandrina DaFonseca#, Julia Niessl, Sylvia Pouvreau, Vanessa Sue Wacleche, Annie Gosselin, Aurélie Cleret-Buhot, Nicole Bernard, Cécile Tremblay, Mohammad-Ali Jenabian, Jean-Pierre Routy, and Petronela Ancuta\*. 2015. *Impaired Th17 polarization of Phenotypically Naïve CD4<sup>+</sup> T-cells during chronic HIV-1 infection and potential restoration with early ART.* Retrovirology. 015 Apr 30;12(1):38  
*#, SDF was a postdoctoral fellow in my laboratory (2012-2014)*
- 2015** **Ancuta P**\*. *A slan-based nomenclature for monocytes?* Blood. 2015 Dec 10; 126(24):2536-8. doi: 10.1182/blood-2015-10-675470. No abstract available.
- 2015** Cleret-Buhot A#, Zhang Y, Planas D, Goulet JP, Monteiro P, Gosselin A, Wacleche VS, Tremblay CL, Jenabian MA, Routy JP, El-Far M, Chomont N, Haddad EK, Sekaly RP, **Ancuta P**\*. *Identification of*

- novel HIV-1 dependency factors in primary CR4(+)CCR6(+)Th17 cells via a genome-wide transcriptional approach. Retrovirology. 2015 Dec 10; 12:102. doi: 10.1186/s12977-015-0226-9.*  
#, *ACB was a postdoctoral fellow in my laboratory (2011-2013)*
- 2015 Cubas R, van Grevenynghe J, Wills S, Kardava L, Santich BH, Buckner CM, Muir R, Tardif V, Nichols C, Procopio F, He Z, Metcalf T, Ghneim K, Locci M, **Ancuta P**, Routy JP, Trautmann L, Li Y, McDermott AB, Koup RA, Petrovas C, Migueles SA, Connors M, Tomaras GD, Moir S, Crotty S, Haddad EK. *Reversible Reprogramming of Circulating Memory T Follicular Helper Cell Function during Chronic HIV Infection. J Immunol. 2015 Dec 15; 195(12):5625-36. doi: 10.4049/jimmunol.1501524. Epub 2015 Nov 6.*
- 2016 El-Far M, Kouassi P, Sylla M, Zhang Y, Fouda A, Fabre T, Goulet JP, van Grevenynghe J, Lee T, Singer J, Harris M, Baril JG, Trottier B, **Ancuta P**, Routy JP, Bernard N, Tremblay CL; Investigators of the Canadian HIV+ Slow Progressor Cohort. *Proinflammatory isoforms of IL-32 as novel and robust biomarkers for control failure in HIV-infected slow progressors. Sci Rep. 2016 Mar 15; 6:22902. doi: 10.1038/srep22902.*
- 2016 Zhang Y, El-Far M, Dupuy FP, Abdel-Hakeem MS, He Z, Procopio FA, Shi Y, Haddad EK, **Ancuta P**, Sekaly RP, Said EA. *HCV RNA Activates APCs via TLR7/TLR8 While Virus Selectively Stimulates Macrophages Without Inducing Antiviral Responses. Sci Rep. 2016 Jul 7; 6:29447. doi: 10.1038/srep29447.*
- 2016** Wacleche VS, Goulet JP, Gosselin A, Monteiro P, Soudeyns H, Fromentin R, Jenabian MA, Vartanian S, Deeks SG, Chomont N, Routy JP, **Ancuta P**\*. *New insights into the heterogeneity of Th17 subsets contributing to HIV-1 persistence during antiretroviral therapy. Retrovirology. 2016 Aug 24; 13(1):59. doi: 10.1186/s12977-016-0293-6.*  
#, *VSW was a Ph.D. student in my laboratory (2010-2016)*
- 2016 Jenabian MA, Costiniuk CT, Mehraj V, Ghazawi FM, Fromentin R, Brousseau J, Brassard P, Bélanger M, **Ancuta P**, Bendayan R, Chomont N, Routy JP; Orchid study group. *Immune tolerance properties of the testicular tissue as a viral sanctuary site in ART-treated HIV-infected adults. AIDS. 2016 Nov 28; 30(18):2777-2786.*
- 2017** Gosselin A, Wiche Salinas TR, Planas D, Wacleche VS, Zhang Y, Fromentin R, Chomont N, Cohen ÉA, Shacklett B, Mehraj V, Ghali MP, Routy JP, **Ancuta P**\*. *HIV persists in CCR6+CD4+ T cells from colon and blood during antiretroviral therapy. AIDS. 2017 Jan 2; 31(1):35-48.*
- 2017 Zhyvoloup A, Melamed A, Anderson I, Planas D, Lee CH, Kriston-Vizi J, Ketteler R, Merritt A, Routy JP, **Ancuta P**, Bangham CRM, Fassati A. *Digoxin reveals a functional connection between HIV-1 integration preference and T-cell activation. PLoS Pathog. 2017 Jul 20; 13(7):e1006460. doi: 10.1371/journal.ppat.1006460. eCollection 2017 Jul.*
- 2017** Planas D, Zhang Y, Monteiro P, Goulet JP, Gosselin A, Grandvaux N, Hope TJ, Fassati A, Routy JP, **Ancuta P**\*. *HIV-1 selectively targets gut-homing CCR6+CD4+ T cells via mTOR-dependent mechanisms. JCI Insight. 2017 Aug 3; 2(15): pii: 93230. doi: 10.1172/jci.insight.93230.*  
#, *DP was a Ph.D. student in my laboratory (2014-2019)*
- 2017 Durand M, Chartrand-Lefebvre C, Baril JG, Trottier S, Trottier B, Harris M, Walmsley S, Conway B, Wong A, Routy JP, Kovacs C, MacPherson PA, Monteith KM, Mansour S, Thanassoulis G, Abrahamowicz M, Zhu Z, Tsoukas C, **Ancuta P**, Bernard N, Tremblay CL; investigators of the Canadian HIV and Aging Cohort Study. *The Canadian HIV and aging cohort study - determinants of increased risk of cardiovascular diseases in HIV-infected individuals: rationale and study protocol. BMC Infect Dis. 2017 Sep 11; 17(1):611. doi: 10.1186/s12879-017-2692-2.*
- 2017 Lodge R, Ferreira Barbosa JA, Lombard-Vadnais F, Gilmore JC, Deshiere A, Gosselin A, Wiche Salinas TR, Bego MG, Power C, Routy JP, **Ancuta P**, Tremblay MJ, Cohen ÉA. *Host MicroRNAs-221 and -222 Inhibit HIV-1 Entry in Macrophages by Targeting the CD4 Viral Receptor. Cell Rep. 2017 Oct 3; 21(1):141-153. doi: 10.1016/j.celrep.2017.09.030.*

**2017** [Wacleche VS](#), Landay A, Routy JP, **Ancuta P\***. *The Th17 Lineage: From Barrier Surfaces Homeostasis to Autoimmunity, Cancer, and HIV-1 Pathogenesis*. *Viruses*. 2017 Oct 19; 9(10). pii: E303. doi: 10.3390/v9100303. Review.

#, VSW was a Ph.D. student in my laboratory (2010-2016)

2017 Mehraj V, Ghali P, Ramendra R, Costiniuk C, Lebouché B, Ponte R, Reinhard R, So É-U, J, Chomont N, Cohen EA, **Ancuta P**, Routy JP. *The evaluation of risk-benefit ratio for gut tissue sampling in HIV cure research*. *J Virus Erad*. 2017 Oct 1; 3(4):212-217.

**2018** [Wacleche VS](#), Tremblay CL, Routy JP, **Ancuta P\***. *The Biology of Monocytes and Dendritic Cells: Contribution to HIV Pathogenesis*. *Viruses*. 2018 Feb 6; 10(2). pii: E65. doi: 10.3390/v10020065. Review.

#, VSW was a Ph.D. student in my laboratory (2010-2016)

2018 Saraiva GN, do Rosário NF, Medeiros T, Leite PEC, Lacerda GS, de Andrade TG, de Azeredo EL, **Ancuta P**, Almeida JR, Xavier AR, Silva AA. *Restoring Inflammatory Mediator Balance after Sofosbuvir-Induced Viral Clearance in Patients with Chronic Hepatitis C*. *Mediators Inflamm*. 2018 May 27; 2018:8578051. doi: 10.1155/2018/8578051. eCollection 2018.

2018 Costiniuk CT, Salahuddin S, Farnos O, Olivenstein R, Pagliuzza A, Orlova M, Schurr E, De Castro C, Bourbeau J, Routy JP, **Ancuta P**, Chomont N, Jenabian MA. *HIV persistence in mucosal CD4+ T cells within the lungs of adults receiving long-term suppressive antiretroviral therapy*. *AIDS*. 2018 Oct 23; 32(16):2279-2289. doi: 10.1097/QAD.0000000000001962.

**2018** [Wacleche VS](#), Cattin A, Goulet JP, Gauchat D, [Gosselin A](#), Cleret-Buhot A, Zhang Y, Tremblay CL, Routy JP, **Ancuta P\***. *CD16<sup>+</sup> monocytes give rise to CD103<sup>+</sup>RALDH2<sup>+</sup>TCF4<sup>+</sup> dendritic cells with unique transcriptional and immunological features*. *Blood Adv*. 2018 Nov 13; 2(21):2862-2878. doi: 10.1182/bloodadvances.2018020123.

#, VSW was a Ph.D. student in my laboratory (2010-2016)

**2019** [Planas D](#), Routy JP, **Ancuta P\***. *New Th17-specific therapeutic strategies for HIV remission*. *Curr Opin HIV AIDS*. 2019 Mar; 14(2):85-92. doi: 10.1097/COH.0000000000000522.

#, DP was a Ph.D. student in my laboratory (2014-2019)

**2019** [Amélie Cattin](#)#, [Tomas Raul Wiche Salinas](#), [Annie Gosselin](#), [Yuwei Zhang](#), Maged P. Ghali, Jean-Pierre Routy, and **Petronela Ancuta\***. *HIV-1 is Rarely Detected in Blood and Colon Myeloid Cells during Viral-Suppressive Antiretroviral Therapy*. *AIDS*. 2019 Mar 11. doi:0.1097/QAD.0000000000002195.

#, AC is a PhD student in my laboratory (2015-présent)

**2019** Mehraj V Ramendra R, Isnard S, Dupuy FP, Ponte R, Chen J, Kema I, Jenabian MA, Costiniuk C, Lebouché B, Thomas R, Coté P, Leblanc R, Baril JG, Durand M, Chartrand-Lefebvre C, Tremblay C, **Ancuta P**, Bernard NF, Sheppard DC, Routy JP; Montreal Primary HIV-infection Study and Canadian HIV and Aging Cohort Study Groups. *Circulating (1→3)-β-D-Glucan is associated with immune activation during HIV infection*. *Clin Infect Dis*. 2019 Mar 16. pii: ciz212. doi: 10.1093/cid/ciz212.

**2019** Routy JP, Isnard S, [Mehraj V](#), Ostrowski M, Chomont N, **Ancuta P**, Ponte R, [Planas D](#), Dupuy FP, Angel JB; Lilac Study Group. *Effect of metformin on the size of the HIV reservoir in non-diabetic ART-treated individuals: single-arm non-randomised Lilac pilot study protocol*. *BMJ Open*. 2019 Apr 20;9(4):e028444. doi: 10.1136/bmjopen-2018-028444.

**2019** 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. *CMV seropositivity is associated with increased microbial translocation in people living with HIV and uninfected controls*. *Clin Infect Dis*. 2019 Oct 14. pii: ciz1001. doi: 10.1093/cid/ciz1001.

- 2019 Zaidan SM, Leyre L, Bunet R, Larouche-Ancil E, Turcotte I, Sylla M, Chamberland A, Chartrand-Lefebvre C, **Ancuta P**, Routy JP, Baril JG, Trottier B, MacPherson P, Trottier S, Harris M, Walmsley S, Conway B, Wong A, Thomas R, Kaplan RC, Landay AL, Durand M, Chomont N, Tremblay CL, El-Far M; Canadian HIV and Aging Cohort Study. Upregulation of IL-32 Isoforms in Virologically Suppressed HIV-Infected Individuals: Potential Role in Persistent Inflammation and Transcription From Stable HIV-1 Reservoirs. *J Acquir Immune Defic Syndr*. 2019 Dec 15;82(5):503-513. doi: 10.1097/QAI.0000000000002185.
- 2020 Tomas, Ramendra R, Isnard S, Dupuy FP, Ponte R, Chen J, Kema I, Jenabian MA, Costiniuk CT, Lebouché B, Thomas R, Coté P, Leblanc R, Baril JG, Durand M, Chartrand-Lefebvre C, Tremblay C, **Ancuta P**, Bernard NF, Sheppard DC, Routy JP; Montreal Primary HIV Infection Study and Canadian HIV and Aging Cohort Study Groups. (2020). Circulating (1→3)-β-D-glucan Is Associated with Immune Activation During Human Immunodeficiency Virus Infection. *Clin Infect Dis*. 2020 Jan 2;70(2):232-241. doi: 10.1093/cid/ciz212
- 2020 Isnard S, Ramendra R, Dupuy FP, Lin J, Fombuena B, Kokinov N, Kema I, Jenabian MA, Lebouché B, Costiniuk CT, **Ancuta P**, Bernard NF, Silverman MS, Lakatos PL, Durand M, Tremblay C, Routy JP. Plasma Levels of C-Type Lectin REG3α and Gut Damage in People with Human Immunodeficiency Virus. Montreal Primary HIV Infection Study, the Canadian Cohort of HIV+ Slow Progressors, and the Canadian HIV and Aging Cohort Groups. *J Infect Dis*. 2020 Jan 1;221(1):110-121. doi: 10.1093/infdis/jiz423.
- 2020** [Zhang Y](#), [Planas D](#), [Raymond Marchand L](#), [Massanella M](#), [Chen H](#), [Wacleche VS](#), [Gosselin A](#), [Goulet JF](#), [Filion M](#), [Routy JP](#), [Chomont N](#), **Ancuta P**. Improving HIV Outgrowth by Optimizing Cell-Culture Conditions and Supplementing with all-transRetinoic Acid. *Frontiers in Microbiology*. 2020 May 15;11:902. doi: 10.3389/fmicb.2020.00902. eCollection 2020.  
#, YZ was a PDF in my laboratory (2013-2017)
- 2020** [Planas D](#), [Zhang Y](#), [Fert A](#), [Goulet JP](#), [Ruiz MJ](#), [Raymond Marchand L](#), [Chatterjee D](#), [Chen H](#), [Wiche Salinas TR](#), [Gosselin A](#), [Cohen EA](#), [Routy JP](#), [Chomont N](#), **Ancuta P**. (2020). Pharmacological Inhibition of PPARγ for HIV Reservoir Purging and Th17 Cell-Mediated Immunological Restoration. *Pathogens and Immunity*. Sous presse  
#, DP was a PhD student in my laboratory (2014-2019)
- 2020 Ouyang J, Isnard S, Lin J, Fombuena B, [Chatterjee D](#), [Wiche Salinas TR](#), [Planas D](#), [Cattin A](#), [Fert A](#), [Moreira Gabriel E](#), [Raymond Marchand L](#), [Zhang Y](#), [Finkelman M](#), [Chen Y](#), [Kaufmann DE](#), [Cermakian N](#), **Ancuta P**, [Routy JP](#). Daily variations of gut microbial translocation markers in ART-treated HIV-infected people. *AIDS Research and Therapy*. Sous presse
- 2020 Lodge R, Bellini N, Laporte M, Salahuddin S, Routy JP, **Ancuta P**, Costiniuk CT, Jenabian MA, Cohen EA. Interleukin-1β Triggers p53-Mediated Downmodulation of CCR5 and HIV-1 Entry in Macrophages through MicroRNAs 103 and 107. *mBio*. 2020 Sep;11(5):e02314-20. doi: 10.1128/mBio.02314-20.
- 2020 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](#). Cytomegalovirus seropositivity is associated with increased microbial translocation in people living with HIV and uninfected controls. *Clin Infect Dis*. 2020 Sep;71(6):1438-1446. doi: 10.1093/cid/ciz1001.
- 2020 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. HIV infection and persistence in pulmonary mucosal double negative T-cells in vivo. *J Virol*. 2020 Sep;JVI.01788-20. doi: 10.1128/JVI.01788-20.
- 2020 Rabezahary H, Clain J, Racine G, Andreani G, Benmadid-Laktout G, Borde C, Mammano F, Mesplèdes T, **Ancuta P**, Zghidi-Abouzid O, Estaquier J. Early antiretroviral therapy prevents viral infection of monocytes and inflammation in SIV-infected rhesus macaques. *J Virol*. 2020 Sep;JVI.01478-20. doi: 10.1128/JVI.01478-20



**Manuscrits soumis ou acceptés (total: 3; corresponding author: 3)**

Delphine Planas#, Amélie Pagliuzza, Augustine Fert, Laurence Marchand Raymond, Annie Gosselin, Rosalie Ponte, Franck Dupuy, Vikram Mehraj, Sylvie Lesage, Maged Peter Ghali, Jonathan B. Angel, Eric A. Cohen, Nicolas Chomont, **Petronela Ancuta\***, and Jean-Pierre Routy\*. *A Pilot Study to Evaluate the Effects of Metformin on mTOR Activation and HIV Reservoir Persistence during Antiretroviral Therapy*. **The Lancet eBioMedicine**. 2020. Accepted pending minor corrections

#, DP is a PhD student in my laboratory (2014-2019)

\*, I act as the co-corresponding author; membres du laboratoire Ancuta

Tomas Raul Wiche Salinas#, Annie Gosselin, Mariana G. Bego, Laurence Raymond Marsand, Zhang Yuwei, Dragos Vlad, Hanane Touil, Jean-Pierre Routy, Eric A. Cohen, Cécile Tremblay, **Petronela Ancuta\***. *IL17-A Reprograms Intestinal Epithelial Cells to Promote HIV Dissemination/reactivation in CD4<sup>+</sup> T-cells*. **iScience**. 2020. Soumis.

#, TRWS is a PhD student in my laboratory (2015-présent)

\*, I act as the corresponding author; membres du laboratoire Ancuta

Cattin A, Wacleche VS, Fonseca do Rosario N, Goulet JP, Gauchat D, Gosselin A, Routy J P, **Ancuta P**. *RALDH Activity Induced by Bacterial/Fungal Pathogens in CD6<sup>+</sup> Monocyte-Derived Dendritic Cells Boosts HIV Infection and Outgrowth in CD4<sup>+</sup> T-Cells*. **The Journal of Immunology**. 2020. Soumis.

#, AC is a PhD student in my laboratory (2015/09-présent)

#, AC is a PhD student in my laboratory (2015-présent)

\*, I act as the corresponding author; membres du laboratoire Ancuta

**Manuscrits en préparation (total: 3; corresponding author: 3)**

Chatterjee D, Zhang Y, Chen H, Smail Y, Wiche Salinas TR, Routy JP, **Ancuta P**. *The Aryl Hydrocarbon Receptor Negatively Regulates HIV Replication in Th17/Th22 Cells*. **eLIFE**. 2020. In preparation for submission.

#, DC is a PDF in my laboratory (2017-présent)

Tomas Raul Wiche Salinas#, Yuwei Zhang#, Daniele Sarnello, Alexander Zhyvoloup, Laurence Raymond Marchand, Delphine Planas, Manivel Lodha, Debashree Chatterjee, Kasia Karwacz, Sally Oxenford, Jean-Pierre Routy, Heather Madsen, Petronela Ancuta\*, and Ariberto Fassati\*. *Th17 cell master transcription factor RORC2 regulates HIV-1 gene expression and latency*. **Nature Microbiology**. En préparation

#, TRWS is a PhD student in my laboratory (2015-présent)

\*, I act as the co-corresponding author; membres du laboratoire Ancuta

Etiene Moreira Gabriel, Tomas Raul Wiche Salinas, Annie Gosselin, Etienne Larouche-Ancil, Jean-Pierre Routy, Madeleine Durand, Mohamed El-Far, Cécile L. Tremblay, and Petronela Ancuta. *IL-17A Attenuates Overt IL-32 Expression in Inflamed Intestinal Epithelial Cells during HIV Infection*. **AIDS**. En preparation

#, EMG is a PhD student in my laboratory (2018-présent)

\*, I act as the corresponding author; membres du laboratoire Ancuta

**4) PUBLICATIONS DE RECHERCHE OU D'ERUDITION DANS DES REVUES SANS DE COMITES DE PAIRS**

sans objet

**5) ABREGES PUBLIÉS**

**• Formation doctorale et postdoctorale (total : 5 ; première auteure : 3)**

1998 Laurence Weiss, Pierre-Marie Girard, Anne Roux, **Petronela Ancuta**, Claire Tessey, Michel D. Kazatchkine, Nicole Haeffner-Cavaillon. *Changes in immunological status of HIV-infected patients receiving antiretroviral therapy*. The 5<sup>th</sup> Conference on Retroviruses and Opportunistic Infections, Chicago, É-U.

- 1999 Laurence Weiss, **Petronela Ancuta**, Pierre-Marie Girard, Hicham Bouhhal, Anne Roux, Nicole Haeffner-Cavaillon, Michel D. Kazatchkine. *Restoration of normal IL-2 production by CD4<sup>+</sup> T cells of HIV-infected individuals after nine months of highly active antiretroviral therapy*. The AIDS Pathogenesis Symposia, Keystone, Colorado, É-U.
- 1999 **Petronela Ancuta**, Hicham Bouhhal, Nicole Haeffner-Cavaillon. *Phenotypic and functional characterization of monocyte-derived CD14<sup>+</sup>CD16<sup>++</sup> cells: role of these cells as preferential reservoir of HIV*. The 4<sup>th</sup> International Workshop on HIV, Cells of Macrophage Lineage, and Other Reservoirs. Donnini, Florence, Italie.
- 1999 **Petronela Ancuta**, Hicham Bouhhal, Nicole Haeffner-Cavaillon, Laurence Weiss. *Phenotypic and functional characterization of the CD14<sup>+</sup>CD16<sup>++</sup> cells generated from peripheral blood monocytes*. The Fourth European Conference on Experimental AIDS Research. Tempere, Finlande.
- 2003 **Petronela Ancuta**, Ravi Rao, Ashlee Moses, Andrew Mehle, Alysse Wurcel, David Stone, F. William Luscinskas, Dana Gabuzda. *Mechanism of CD16<sup>+</sup> monocyte trafficking in HIV-associated dementia: role of FKN in CD16<sup>+</sup> monocyte recruitment and MMP-9 induction*. The 10<sup>th</sup> Conference on Retroviruses and Opportunistic Infections. 10-14 février 2003, Boston, MA, É-U.

• **Chercheur principal (total : 69, auteure de correspondance inclus seulement)**

**\*, Chercheur principal; membres du laboratoire Ancuta**

- 2008 Annie Gosselin, Nicolas Chomont, Mohamed El-Far, Sylvain Gimmig, Jean-Pierre Routy, Rafick-Pierre Sekaly, **Petronela Ancuta\***. *CXCR3 and CCR6 identifies a CD4<sup>+</sup> T Cell Subset highly permissive to R5 HIV replication*. Keystone Symposia on HIV pathogenesis (X8), 27-31 mars 2008, Banff, Calgary, Alberta. Affiche présentée par PA.
- 2008 **Petronela Ancuta\***, Kevin J. Kunstman, Eun-Young Kim, Patrick Autissier, Alysse Wurcel, Tauheed Zaman, David Stone, Megan Mefford, Anupa Kamat, Susan Morgello, Elyse J. Singer, Steven M. Wolinsky, Dana Gabuzda. *Elevated plasma endotoxin is associated with increased monocyte activation and dementia in AIDS patients*. 25 Years of HIV, 19-22 mai 2008, Pasteur Institute, Paris, France. Affiche présentée par PA.
- 2009 **Petronela Ancuta\***, Kuang-Yu Liu, Marie-Claude Gaudreau, Annie Gosselin, Elaine Thomas, Xiaobo Zhu, Dana Gabuzda. *Circulating CD16<sup>+</sup> Monocytes are Precursors for a Unique Dendritic Cell Subset that Promotes HIV Replication in Autologous CD4<sup>+</sup> T-cells*. The 16<sup>th</sup> Conference on Retroviruses and Opportunistic Infections, 8-11 février 2009 Montréal, QC, Canada. Affiche présentée par PA.
- 2009 Patricia Monteiro#, Annie Gosselin, Vanessa Sue Wacleche, **Petronela Ancuta\***. *Central Memory Th1 and Th1Th17 Subsets Preserve Differential Susceptibility to HIV Infection upon Long Term Culture in vitro*. The 16<sup>th</sup> Conference on Retroviruses and Opportunistic Infections. 8-11 février 2009, Montréal, QC, Canada. Affiche présentée par PM.
- #, For this abstract Dr. Patricia Monteiro, a postdoctoral fellow in my lab (2008-2011), was awarded the highly prestigious and competitive CROI 2009 New Investigator Award covering at >90% her participation at the meeting
- 2009 Annie Gosselin, Patricia Monteiro, Nicolas Chomont, Felipe Diaz-Griffero, Vanessa Wacleche, Elias A. Said, Simone Fonseca, Mohamed El-Far, Mohamed-Rachid Boulassel, Jean-Pierre Routy, Rafick-Pierre Sekaly, **Petronela Ancuta\***. *Blood CCR6<sup>+</sup> Th17 and Th1Th17 but not CCR6<sup>neg</sup> Th1 cells are targets for HIV replication and their frequency is diminished in HIV-infected subjects*. AIDS Vaccine, Paris, 19-22 octobre 2009. Affiche présentée par PA.
- 2010 Vanessa Wacleche, Annie Gosselin, Patricia Monteiro, Hassen Kared, Mohamed-Rachid Boulassel, Jean-Pierre Routy, **Petronela Ancuta\***. *Gut-Homing Potential of HIV-Specific CD4<sup>+</sup> and CD8<sup>+</sup> T-Cells in HIV-Infected Subjects with Slow Disease Progression*. The 17<sup>th</sup> Conference on Retroviruses and Opportunistic Infections. 16-19 février 2010 San Francisco, CA, É-U. Affiche présentée par VSW.

**2010** Vanessa Wacleche, Annie Gosselin, Patricia Monteiro, Hassen Kared, Mohamed-Rachid Boulassel, Jean-Pierre Routy, **Petronela Ancuta\***. *Gut-Homing Potential and Th1/Th17 profiles of HIV-Specific CD4<sup>+</sup> and CD8<sup>+</sup> T-Cells in HIV-Infected Subjects with Slow Disease Progression*. The Keystone Symposia on Viral Immunity and HIV vaccines (X5/X6). 21-26 mars 2010, Banff, Calgary, Canada. Affiche présentée par PA.

**2010** P. Monteiro#, A. Gosselin, N. Chomont, F. Diaz-Griffero, E.A. Said, S. Fonseca, V. Wacleche, M. El-Far, M.-R. Boulassel, J.-P. Routy, R.-P. Sekaly, **P. Ancuta\***. *Peripheral blood CCR4<sup>+</sup>CCR6<sup>+</sup> and CXCR3<sup>+</sup>CCR6<sup>+</sup> CD4<sup>+</sup> T cells are highly permissive to HIV-1 infection*. XVIII International AIDS Conference, Vienne, Austria, 18-23 août 2010. Affiche présentée par PM.

#, Dr. Patricia Monteiro, PhD, a postdoctoral fellow in my lab (2008-2011), was the proud recipient of a fellowship covering the cost of travelling and accommodation for attending the conference. **Also, the work presented by PM received the unique IAS/ANRS Young Investigator Award at the workshop on HIV Reservoirs Research.** Finally, PM acted as assistant rapporteur for the Basic Science track of the conference and her registration was covered by the IAS.

**2010** A. Gosselin, P. Monteiro, N. Chomont, M. El-Far, M.-R. Boulassel, J.-P. Routy, R.-P. Sekaly, **P. Ancuta\***. *The chemokine receptors CCR4 and CXCR3 are biomarkers for central memory CD4<sup>+</sup> T-cell subsets with increased permissiveness to HIV-1 integration in infected individuals*. XVIII International AIDS Conference, Vienne, Austria, 18-23 août 2010. Affiche présentée par AG.

**2011** Patricia Monteiro#, Annie Gosselin, Mohamed-Rachid Boulassel, Jean-Pierre Routy, **Petronela Ancuta\***. *Imprinting for Gut-Homing is Linked to Selective HIV Permissiveness in Memory CD4<sup>+</sup> T-cells expressing CCR6: Opposite Effects of Retinoic Acid on CCR6<sup>+</sup> and CCR6<sup>-</sup> T-Cells*. 18<sup>th</sup> Conference on Retroviruses and Opportunistic Infections, 27 février-2 mars 2011, Boston, MA, É-U. Affiche présentée par PM

#, For this abstract Dr. Patricia Monteiro, a postdoctoral fellow in my lab (2008-2011), was awarded the highly prestigious and competitive CROI 2011 New Investigator Award covering at >90% her participation at the meeting

**2011** Vanessa Wacleche#, Annie Gosselin, Patricia Monteiro, Hassen Kared, Mohamed-Rachid Boulassel, Jean-Pierre Routy, **Petronela Ancuta\***. *The Co-Localization Potential of HIV-Specific CD8<sup>+</sup> and CD4<sup>+</sup> T-Cells into the Gut is Mediated by Integrin alpha4beta7 and CCR5 but not CCR6 and is Dependent on Retinoic Acid Pathway*. 18<sup>th</sup> Conference on Retroviruses and Opportunistic Infections, 27 février-2 mars 2011, Boston, MA, É-U. Affiche présentée par VSW

#, For this abstract Ms Vanessa Wacleche, PhD Student, was awarded the highly prestigious and competitive CROI 2011 New Investigator Award covering at >90% her participation at the meeting

**2011** Patricia Monteiro, Annie Gosselin, Vanessa Wacleche, Mohamed El-Far, Mohamed-Rachid Boulassel, Jean-Pierre Routy, Nathalie Grandvaux, **Petronela Ancuta\***. *CCR6<sup>+</sup>CD4<sup>+</sup> T-cells are programmed to support productive HIV-1 infection regardless of their gut-homing potential: a new retinoic acid and NF- $\kappa$ B tale*. The Keystone Symposia on HIV evolution, Genomics, and Pathogenesis (X7). 20-25 mars 2011, Whistler, Vancouver, Canada. Affiche présentée par PA.

**2011** Vanessa Wacleche, Annie Gosselin, Patricia Monteiro, Cécile Tremblay, Mohamed-Rachid Boulassel, Jean-Pierre Routy, **Petronela Ancuta\***. *The co-localization potential of HIV-specific CD4<sup>+</sup> and CD8<sup>+</sup> T-cells is mediated by integrin beta7 but not CCR6: relevance for the control of HIV replication in the gut*. Annual CAHR meeting, 14-17 avril 2011, Toronto, ON, Canada. Affiche présentée par PA.

**2011** Hanane Touil, Patricia Monteiro, Annie Gosselin, Vanessa Wacleche, Aurélie Cleret-Buhot, Nathalie Grandvaux, **Petronela Ancuta\***. *Differential ability of intestinal and alveolar epithelial cells to respond to IL-17: relevance for HIV-1 pathogenesis*. The 9th Joint Meeting of ICS-ISICR Cytokines and Interferons: from the bench to the bedside. Florence, Italie, 9-12 octobre 2011. Affiche présentée par HT.

**2012** Annie Bernier#, Patricia Monteiro, Jean-Philippe Goulet, Annie Gosselin, Rafick-Pierre Sekaly, Elias Haddad, **Petronela Ancuta\***. *Transcriptional Profiling in HIV Permissive versus Resistant CD4<sup>+</sup> T-Cell Subsets Identified PPARG as A Negative Regulator of HIV Replication in Th1Th17 cells*. 19<sup>th</sup> Conference on Retroviruses and Opportunistic Infections, 5-8 mars 2012, Seattle, WA, É-U. Affiche présentée par AB

#, For this abstract Ms Annie Bernier, a MSc Student in my lab (2010-), was awarded the highly prestigious and competitive CROI 2012 New Investigator Award covering at >90% her participation at the meeting

**2012** Aurélie Cleret-Buhot#, Jean-Philippe Goulet, Patricia Monteiro, Annie Bernier, Annie Gosselin, Cécile Tremblay, **Petronela Ancuta**\*. *A systems biology approach toward the identification of new HIV permissiveness factors in Th17 cells*. The Keystone Symposia on Frontiers on HIV Pathogenesis, Therapy and Eradication (X8). 26-31 mars 2012, Whistler, Vancouver, Canada. Affiche présentée par ACB.

#, For this abstract Dr. Aurélie Cleret-Buhot, a postdoctoral fellow in my lab (2011-), was awarded the highly prestigious and competitive Keystone Symposia New Investigator Award 2012 covering at >70% her participation at the meeting

**2012** V. S. Wacleche#, N. Chomont, A. Gosselin, P. Monteiro, M. Goupil, H. Kared, C. Tremblay, N. Bernard, M.-R. Boulassel, J.-P. Routy, **P. Ancuta**\*. *The Colocalization Potential of HIV-Specific CD8+ and CD4+ T-Cells is Mediated by Integrin  $\beta 7$  but not CCR6 and Regulated by Retinoic Acid*. XIX International AIDS Conference, Washington DC., É-U, 22-27 juillet 2012. \*Oral poster discussion by VSW.

#For this abstract Ms Vanessa Wacleche, MSc, was awarded the highly prestigious and competitive International Scholarship that covered the cost of her participation to the meeting

**2012** Vanessa Sue Wacleche#, Annie Gosselin, Aurélie Cleret, Annie Bernier, Sandrina Da Fonseca, Nicole Bernard, Cécile Tremblay, Jean-Pierre Routy, **Petronela Ancuta**\*. *CD16+ monocytes are precursors for a unique DC subset promoting HIV dissemination: implications for DC-based vaccines in HIV-infected subjects*. Immuno Montréal, Annual 2012 Symposium, 30 novembre 2012, Montréal, QC Canada. Présentation orale par VSW.

#, For this abstract Mrs Vanessa Sue Wacleche, a PhD student in my lab (2011-), received a \$500 Prize for the best oral presentation.

**2013** Sandrina Da Fonseca#, Annie Gosselin, Rachid-Mohamed Boulassel, Jean-Pierre Routy, Nicole Bernard, Cécile Tremblay, **Petronela Ancuta**\*. *Paucity of Naïve Th17 Precursors as a Potential Cause for Memory Th17 Deficiency in HIV-Infected Individuals*. 20th Conference on Retroviruses and Opportunistic Infections, 3-6 mars 2013, Atlanta, É-U, Affiche présentée par SDF

#, For this abstract Dr Da Fonseca, a postdoctoral fellow in my lab (2012-), was awarded the highly prestigious and competitive CROI 2013 New Investigator Award covering at >90% her participation at the meeting

**2013** Annie Gosselin, Aurélie Cleret, Patricia Monteiro, Mohamed-Rachid Boulassel, Jean-Pierre Routy, **Petronela Ancuta**\*. *Th17-Polarized Central Memory Cells Contribute to the Long-Term Persistence of HIV-1 Reservoirs in Subjects Receiving Viral Suppressive AR* Annual CAHR meeting, 11-14 avril 2013, Vancouver, BC, Canada. Présentation orale par AG

**2013** Sandrina Da Fonseca, Aurélie Cleret, Annie Gosselin, Rachid-Mohamed Boulassel, Jean-Pierre Routy, Nicole Bernard, Cécile Tremblay, **Petronela Ancuta**\*. *Paucity of Naïve Th17 Precursors in HIV-Infected Individuals: Persistent Impairment Under ART*. Annual CAHR meeting, 11-14 avril 2013, Vancouver, BC, Canada. Présentation orale par AC.

**2013** Aurélie Cleret-Buhot, Jean-Philippe Goulet, Patricia Monteiro, Annie Bernier, Annie Gosselin, Mohamed-Rachid Boulasse, Jean-Pierre Routy, Elias Haddad, Rafick-Pierre Sekaly, **Petronela Ancuta**\*. *Genome-Wide Transcriptional Profiling Identifies RORC, PPARG, and the TCR Signalling Pathway as Major Determinants for HIV Permissiveness in Th17 cells*. Annual CAHR meeting, 11-14 avril 2013, Vancouver, BC, Canada. Présentation orale par AC.

#, For this abstract Dr Aurélie Cleret, a Postdoctoral fellow in my lab (2011-), was awarded the highly prestigious and competitive CAHR 2013 New Investigator Award covering her participation at the meeting

**2013** Vanessa Sue Wacleche, Annie Gosselin, Aurélie Cleret, Annie Bernier, Sandrina Da Fonseca, Nicole Bernard, Cécile Tremblay, Jean-Pierre Routy, **Petronela Ancuta**\*. *CD16+ monocytes differentiate into dendritic cells with unique immunogenic and HIV trans-infection potential: implications for DC-based vaccines in HIV-infected subjects*. Annual CAHR meeting, 11-14 avril 2013, Vancouver, BC, Canada. Présentation orale par VSW.

#, For this abstract Mrs Vanessa Sue Wacleche, a PhD student in my lab (2011-), was awarded the highly prestigious and competitive CAHR 2013 New Investigator Award covering her participation at the meeting

**2014** Delphine Planas, Sandrina DaFonseca, Jean-Philippe Goulet, Annie Gosselin, Aurélie Cléret-Buhot, Mohammad-Ali Jenabian, Jean-Pierre Routy, Petronela Ancuta\*. *Imprinting for Gut Homing and HIV-1 Permissiveness Mechanisms are Specifically Regulated by Retinoic Acid in CCR6+ T-Cells*. 21st Conference on Retroviruses and Opportunistic Infections, 3-6 mars 2014, Boston, MA, É-U. Affiche présentée par DP

#, For this abstract Delphine Planas, a PhD student in my lab (2014-), was awarded the highly prestigious and competitive CROI 2014 New Investigator Award covering her participation at the meeting

**2014** Vanessa Sue Wacleche, Annie Gosselin, Patricia Monteiro, Aurélie Cleret-Buhot, Sandrina DaFonseca, Mohamed-Ali Jenabian, Jean-Pierre Routy, Petronela Ancuta\*. *Identification of a New Th17 Subset that Contributes to HIV-1 Persistence in ART-Treated Subjects*. 21st Conference on Retroviruses and Opportunistic Infections, 3-6 mars 2014, Boston, MA, É-U. Affiche présentée par VSW

#, For this abstract Vanessa Sue Wacleche, a PhD student in my lab (2010-), was awarded the highly prestigious and competitive CROI 2014 New Investigator Award covering her participation at the meeting

**2014** Aurélie Cleret-Buhot#, Jean-Philippe Goulet, Patricia Monteiro, Annie Bernier, Annie Gosselin, Mohammad-Ali Jenabian, Jean-Pierre Routy, Elias Haddad, Rafick-Pierre Sekaly, Petronela Ancuta\*. *Transcriptional Profiling Identifies New Mechanisms of HIV Permissiveness in Primary Th17 Cells*. 21st Conference on Retroviruses and Opportunistic Infections, 3-6 mars 2014, Boston, MA, É-U. Affiche présentée par PA

#, Dr. Cleret-Buhot was a postdoctoral fellow in my lab (2011-2013)

**2014** Tévy-Suzy Tep#, Vanessa Sue Wacleche, Sandrina DaFonseca, Mohammad-Ali Jenabian, Jean-Pierre Routy, Petronela Ancuta\*. *CD16+ Monocyte-Derived Dendritic Cells Contribute to HIV Pathogenesis by a Superior Trans-Infection Ability and an Impaired Immunogenic Potential: Autophagy Impairment*. 27th Annual Canadian Society for Immunology Meeting, 6-9 mars 2014, Québec, QC, Canada. Présentation orale par TST.

#, Tevy-Suzy Tep is a MSc student in my lab (2013-)

**2014** Yuwei Zhang, Aurélie Cleret-Buhot, Annie Bernier, Jean-Philippe Goulet, Patricia Monteiro, Annie Gosselin, Sandrina DaFonseca, Vanessa Sue Wacleche, Mohammad-Ali Jenabian, Jean-Pierre Routy, Cécile Tremblay, Petronela Ancuta\*. *Peroxisome Proliferator-Activated Receptor Gamma negatively regulates HIV replication in Th17 cells*. 27th Annual Canadian Society for Immunology Meeting, 6-9 mars 2014, Québec, QC, Canada. Présentation orale par YZ.

#, Dr. Yuwei Zhang is a PDF in my lab (2013-)

**2014** Annie Gosselin#, Sandrine DaFonseca, Aurélie Cleret-Buhot, Patricia Monteiro, Mohammad-Ali Jenabian, Jean-Pierre Routy, Nicolas Chomont, Petronela Ancuta\*. *HIV-1 Reservoirs in Central Memory Cells Expressing the Th17 Marker CCR6 are Reactivated by All-Trans Retinoic Acid*. 23<sup>rd</sup> Annual CAHR meeting, 1-4 mai 2014, St. John's, Terre Neuve, Canada. Présentation orale par AG.

#, Annie Gosselin is a Research assistant in my lab (2007-)

**2014** Sandrina DaFonseca#, Julia Niessl, Annie Gosselin, Aurélie Cleret-Buhot, Mohammad-Ali Jenabian, Jean-Pierre Routy, Nicole Bernard, Cécile Tremblay, Petronela Ancuta\*. *The Paucity of Naive Th17 Precursors as a New Mechanism of Th17 Deficiency in HIV-Infected Subjects: Partial Restoration upon Early ART*. 23<sup>rd</sup> Annual CAHR meeting, 1-4 mai 2014, 2014, St. John's, Terre Neuve, Canada. Affiche présentée par SDF.

#, Dr. Da Fonseca is a postdoctoral fellow in my lab (2012-)

**2014** Tévy-Suzy Tep, Vanessa Sue Wacleche, Sandrina DaFonseca, Mohammad-Ali Jenabian, Jean-Pierre Routy, Petronela Ancuta\*. *CD16+ Monocyte-Derived Dendritic Cells Contribute to HIV Pathogenesis by a Superior Trans-Infection Ability and an Impaired Immunogenic Potential: Autophagy*

*Impairment*. 23<sup>rd</sup> Annual CAHR meeting, 1-4 mai 2014, St. John's, Terre Neuve, Canada. Affiche présentée par TST.

#, *Tevy-Suzy Tep is a MSc student in my lab (2013-)*

**2014** Yuwei Zhang, Aurélie Cleret-Buhot, Annie Bernier, Jean-Philippe Goulet, Patricia Monteiro, Annie Gosselin, Sandrina DaFonseca, Vanessa Sue Wacleche, Mohammad-Ali Jenabian, Jean-Pierre Routy, Cécile Tremblay, **Petronela Ancuta\***. *Peroxisome Proliferator-Activated Receptor Gamma negatively regulates HIV replication in Th17 cells*. 23<sup>rd</sup> Annual CAHR meeting, 1-4 mai 2014, St. John's, Terre Neuve, Canada. Présentation orale par YZ.

#, *Dr. Yuwei Zhang is a PDF in my lab (2013-)*

**2014** Annie Gosselin, Vanessa Sue Wacleche, Tevy Suzy Tep, Jean-Pierre Routy, **Petronela Ancuta\***. *Phenotypic identification of peripheral blood and gut myeloid subsets for IV-1 reservoir quantification*. 24 novembre 2014. CanCURE Annual Meeting, IRCM, Montreal, QC, Canada

**2015** Tévy-Suzy Tep#, Vanessa Sue Wacleche, Mohamed El-Far, Younes Chouikh, Annie Gosselin, Mohammad-Ali Jenabian, Jean-Pierre Routy, **Petronela Ancuta\***. *HIV-1 impairs the immunogenic potential of dendritic cells by interfering with the autophagy process*. Keystone Symposia on Dendritic Cells and Macrophages Reunited. 8-13 mars 2015, Montréal, QC, Canada. Affiche présenté par TST.  
#, *Tevy-Suzy Tep is a MSc student in my lab (2013-)*

**2015** Vanessa Sue Wacleche, Annie Gosselin, Jean-Philippe Goulet, Patricia Monteiro, Mohamed-Ali Jenabian, Jean-Pierre Routy, **Petronela Ancuta\***. *Identification of a New Major Th17 Subset Contributing to HIV-1 Persistence under Antiretroviral Therapy*. IXth World Immune Regulation Meeting. 18-21 mars 2015, Davos, Switzerland. Présentation orale par VSW.

#, *VSW, Ph. D. student in my lab (2010-)*. Les frais de participations ont été couverts par des bourses de voyage du CRCHUM et de l'UdeM.

**2015** Annie Gosselin#, Vanessa Sue Wacleche, Delphine Planas, Sandrine DaFonseca, Aurélie Cleret-Buhot, Patricia Monteiro, Mohammad-Ali Jenabian, Jean-Pierre Routy, Nicolas Chomont, **Petronela Ancuta**. *Persistence of Replication Competent HIV-1 Reservoirs under ART in Central Memory Th17 Cells*. Keystone Symposia on Mechanisms of HIV Persistence. 27-30 avril 2015, Boston, MA, É-U. Présentation orale par PA.

#, *AG, Research Assistant in my lab (2007-)*.

**2015** Vanessa Sue Wacleche#, Annie Gosselin, Jean-Philippe Goulet, Patricia Monteiro, Mohamed-Ali Jenabian, Jean-Pierre Routy, **Petronela Ancuta\***. *Identification and molecular characterization of two new Th17 subsets with distinct contribution to HIV-1 persistence under ART*. 24<sup>th</sup> Annual CAHR meeting, 30 avril-3 mai 2015, Toronto, ON, Canada. Affiche presentation by VSW.

#, *VSW, Ph. D. student in my lab (2010-)*. Les frais de participations ont été couverts par une bourse CAHR.

**2015** Tep T-S, Wacleche VS#, Gosselin A, El-Far M, Chouick Y, Jenabian M-A, Routy J-P, **Ancuta P\***. *Pathogenicity of CD16+ Monocyte-Derived Dendritic Cells during HIV-1 Infection*. 24<sup>th</sup> Annual CAHR meeting, 30 avril-3 mai 2015, Toronto, ON, Canada. Affiche presentation by VSW.

#, *VSW, Ph. D. student in my lab (2010-)*. Les frais de participations ont été couverts par une bourse CAHR.

**2015** Yuwei Zhang#, Delphine Planas, Aurélie Cleret-Buhot, Jean-Philippe Goulet, Patricia Monteiro, Annie Gosselin, Vanessa Sue Wacleche, Mohammad-Ali Jenabian, Jean-Pierre Routy, Elias Haddad, Rafick-Pierre Sekaly, **Petronela Ancuta\***. *Transcriptional Profiling Identifies RORC and PPARG as Two Major Mechanisms Regulating HIV Permissiveness in Primary Th17 Cells*. 8th IAS Conference on HIV Pathogenesis, Treatment and Prevention, Vancouver, BC, Canada, 19-22 juillet 2015. Présentation par affiche par YZ.

#, Dr. Yuwei Zhang is a PDF in my lab (2013-). Les frais de participations seront couverts par une bourse IAS complète.

**2015** Delphine Planas#, Annie Gosselin, Patricia Monteiro, Jean-Philippe Goulet, Sandrine Da Fonseca, Aurélie Cléret-Buhot, Mohammad-Ali Jenabian, Jean-Pierre Routy, **Petronela Ancuta**\*. *Molecular Determinants of HIV-1 Permissiveness and Persistence in Gut-Homing CD4+ T-Cells Expressing the Th17 Marker CCR6*. 8th IAS Conference on HIV Pathogenesis, Treatment and Prevention, Vancouver, BC, Canada, 19-22 juillet 2015. Présentation orale par DP.

#, Depphine Planas, étudiante au Ph. D. dans mon laboratoire (2014-). Les frais de participations seront couverts par une bourse IAS complète.

**2015** Yuwei Zhang#, Delphine Planas, Aurélie Cleret-Buhot, Jean-Philippe Goulet, Patricia Monteiro, Annie Gosselin, Vanessa Sue Wacleche<sup>1</sup>, Patricio Artusa, Mohammad-Ali Jenabian, Jean-Pierre Routy, **Petronela Ancuta**\*. *Regulation of Immunological Function and HIV Permissiveness in Th17 Cells by Circadian Clock Machinery*. 2<sup>nd</sup> Conference of the Canadian Society for Chronobiology. Montréal, QC, Canada, 29-30 mai 2015. Présentation orale par YZ

#, Dr. Yuwei Zhang is a PDF in my lab (2013-).

**2015** Vanessa Wacleche#, Annie Gosselin, Jean-Philippe Goulet, Patricia Monteiro, Mohamed-Ali Jenabian, Jean-Pierre Routy, **Petronela Ancuta**\*. *Identification of a New Major Th17 Subset Contributing to HIV-1 Persistence under Antiretroviral Therapy*. Cell Symposium, 28-29 septembre 2015, Montréal, QC, Canada. Affiche par VSW.

#, VSW, Ph. D. student in my lab (2010-2016).

**2015** V.S. Wacleche#, J.P. Goulet, A. Gosselin, P. Monteiro, H. Soudeyns, M.A. Jenabian, S.G. Deeks, N. Chomont, J.P. Routy, **P. Ancuta**\*. *Long-Lived Th17 Subsets Contribute to HIV-1 Persistence under ART*. 7<sup>th</sup> International Workshop on HIV persistence during therapy. 12-15 décembre 2015, Miami, FL, É-U. Présentation orale par VSW.

#, VSW, Ph. D. student in my lab (2010-2016).

**2015** A. Cleret-Buhot, Y. Zhang, D. Planas, J.P. Goulet, V.S. Wacleche#, P. Monteiro, J. Niessl, A. Gosselin, C. Tremblay, M.A. Jenabian, J.P. Routy, M. El-Far, N. Chomont, E.K. Haddad, R.P. Sekaly, **P. Ancuta**\*. *The Transcriptional Program Governed by ROR $\gamma$ t Favors HIV-1 Replication in CCR4+CCR6+ Th17 Cells*. 7<sup>th</sup> International Workshop on HIV persistence during therapy. 12-15 décembre 2015, Miami, FL, É-U. Présentation orale par VSW.

#, VSW, Ph. D. student in my lab (2010-2016).

**2016** D. Planas#, A. Gosselin, P. Monteiro, J.-P. Goulet, S. Da Fonseca, A. Cléret-Buhot, M.-A. Jenabian, J.-P. Routy, **P. Ancuta**\*. *Retinoic acid-mediated imprinting for gut homing render Th17 cells highly permissive to HIV-1 infection by modulating the mTORC1 pathway*. 25<sup>th</sup> Annual CAHR meeting, 12-15 mai 2016, Winnipeg, MA, Canada. Affiche par DP

#, DP, étudiante au Ph. D. dans mon laboratoire (2014-).

**2016** Yuwei Zhang#, Delphine Planas, Aurélie Cleret-Buhot, Jean-Philippe Goulet, Annie Gosselin, Vanessa Sue Wacleche, Jean-Pierre Routy, **Petronela Ancuta**\*. *The molecular signature of HIV permissiveness in Th17 cells*. Retrovirology - Cold Spring Harbor. 18-23 mai 2016, Cold Spring Harbor Laboratories, NY, É-U. Affiche par YZ.

#, Dr. Yuwei Zhang is a PDF in my lab (2013-).

**2016** Annie Gosselin#, Tomas Raul Wiche Salinas#, Delphine Planas, Vanessa Sue Wacleche, Yuwei Zhang, Remi Fromentin, Vikram Mehraj, Nicolas Chomont, Jean-Pierre Routy, **Petronela Ancuta**\*. *HIV Persists in Colon and Blood CCR6+CD4+ T-Cells during ART*. 21<sup>th</sup> international AIDS Conference (AIDS2016) Durban, Afrique du Sud, 18-22 juillet 2016. Présentation orale par JPR

#, AG is a research assistant (2007- ) and TRWS is a MSc student in my laboratory (2015-)

**2016** Yuwei Zhang#, Vanessa Sue Wacleche, Huicheng Chen, Delphine Planas, Annie Gosselin, Jean-Pierre Routy, and **Petronela Ancuta\***. *An affordable and sensitive assay to detect replication-competent HIV reservoir in CD4+ T cells from HIV+ subjects during ART*. Strategies for HIV Cure 2016. 14-16 novembre 2016. NIH, Bethesda, MD, É-U. Affiche présentée par YZ.  
#, Dr. Yuwei Zhang is a PDF in my lab (2013-).

**2017** Wiche-Salinas Tomas, Annie Gosselin, Dragos Vlad, Huicheng Chen, Jean-Pierre Routy, **Petronela Ancuta\***. *HIV-1 exploits the interplay between epithelial and Th17 cells for dissemination*. 23rd Conference on Retroviruses and Opportunistic Infections, 13-16 février 2017, Seattle, WA, É-U. Affiche présentée par TRWS

#, TRWS is a PhD student in my lab (2015-). TRWS received the prestigious CROI2017 New Investigator Award covering in part the participation to the meeting.

**2017** Vanessa Sue Wacleche, Amélie Cattin, Jean-Philippe Goulet, Dominique Gauchat, Annie Gosselin, Jean-Pierre Routy, **Petronela Ancuta\***. *Pathogenicity of CD16+ Monocyte-Derived Dendritic Cells during HIV-1 Infection*. 26th Annual Canadian Conference on HIV/AIDS Research, 6-9 avril 2017, Montreal, QC, Canada. Affiche présentée par AC.

#, VSW was a PhD student in my lab (2010-2016). AC is a PhD Student in my lab (2015-)

**2017** Yuwei Zhang#, Vanessa Sue Wacleche, Huicheng Chen, Delphine Planas, Annie Gosselin, Jean-Pierre Routy, **Petronela Ancuta\***. *An affordable and sensitive assay to detect replication-competent HIV reservoir in CD4+ T cells from HIV+ subjects during ART*. 26th Annual Canadian Conference on HIV/AIDS Research, 6-9 avril 2017, Montreal, QC, Canada. Affiche présentée par YZ.  
#, Dr. Yuwei Zhang is a PhD in my lab (2013-).

**2017** Delphine Planas#, Annie Gosselin, Rosalie Ponte, Franck Dupuy, Jean-Pierre Routy, **Petronela Ancuta\***. *Expression of HIV Dependency Factors in CCR6+CD4+ T-Cells Infiltrating the Colon of Individuals Receiving Antiretroviral Therapy*. 26th Annual Canadian Conference on HIV/AIDS Research, 6-9 avril 2017, Montreal, QC, Canada. Présentation orale par DP.

#, DP is a PhD student in my lab (2014-).

**2017** Wiche-Salinas Tomas, Annie Gosselin, Dragos Vlad, Huicheng Chen, Jean-Pierre Routy, **Petronela Ancuta\***. *HIV-1 exploits the interplay between epithelial and Th17 cells for dissemination*. 26th Annual Canadian Conference on HIV/AIDS Research, 6-9 avril 2017, Montreal, QC, Canada. Affiche présentée par TRWS.  
#, TRWS is a PhD student in my lab (2015-).

**2017** Annie Gosselin#, Tomas Raul Wiche Salinas, Delphine Planas, Vanessa Sue Wacleche, Yuwei Zhang, Remi Fromentin, Nicolas Chomont, Eric A. Cohen, Barbara Shacklett, Vikram Mehraj, Maged P. Ghali, Jean-Pierre Routy, **Petronela Ancuta\***. *HIV persists in CCR6+CD4+ T-cells from colon and blood during antiretroviral therapy*. 26th Annual Canadian Conference on HIV/AIDS Research, 6-9 avril 2017, Montreal, QC, Canada. Présentation orale par AG.

#, AG is Research Assistant in my lab (2007-).

**2017** Amélie Cattin#, Tomas Wiche Salinas, Annie Gosselin, Maged P. Ghali, Jean-Pierre Routy, **Petronela Ancuta\***. *Minor contribution of peripheral blood and colon myeloid cells to HIV persistence during ART*. 9<sup>th</sup> IAS Conference on HIV Science. 23-26 juillet 2017. Paris, France. Affiche presentation by AC.

#AC is a PhD Student in my lab (2015-). Les frais de participations couverts par une bourse IAS complète.

**2017** Yuwei Zhang#, Huicheng Chen, Delphine Planas, Annie Gosselin, Jean-Pierre Routy, **Petronela Ancuta\***. *The PPARgAntagonism Inhibits HIV Replication while Restoring Effector Functions in Th17 Cells*. 9<sup>th</sup> IAS Conference on HIV science. 23-26 juillet 2017. Paris, France. Affiche presentation by YZ.

#, Dr. Yuwei Zhang is a PDF in my lab (2013-).



**2017** Yuwei ZHANG#, Huicheng CHEN, Vanessa Sue WACLECHE, Delphine PLANAS, Annie GOSSELIN, Gilles TREMBLAY, Mario FILION, Jean-Pierre ROUTY, **Petronela ANCUTA\***. *A New Highly Sensitive Retinoic Acid-Based Viral Outgrowth Assay to Detect Replication-Competent HIV Reservoir*. 9<sup>th</sup> IAS Conference on HIV science. 23-26 juillet 2017. Paris, France. Affiche presentation by YZ.

#, Dr. Yuwei Zhang is a PDF in my lab (2013-).

**2017** Delphine Planas, Yuwei Zhang, Patricia Monteiro, Jean-Philippe Goulet, Annie Gosselin, Ariberto Fassati, Jean-Pierre Routy, **Petronela Ancuta\***. *The Mammalian Target of Rapamycin is a Druggable Key Regulator of HIV-1 Permissiveness in Gut-Homing CCR6+ Th17 Cells*. 9<sup>th</sup> IAS Conference on HIV Science. 23-26 juillet 2017. Paris, France. Affiche presentation by DP.

#DP is a PhD Student in my lab (2014-). Les frais de participations couverts par une bourse IAS complète.

**2018** Wiche-Salinas Tomas, Annie Gosselin, Dragos Vlad, Huicheng Chen, Jean-Pierre Routy, **Petronela Ancuta\***. *An Immunological Signature for Subclinical Atherosclerosis in HIV-1 Infection*. 24<sup>th</sup> Conference on Retroviruses and Opportunistic Infections, 4-7 mars 2018, Boston, MA, É-U. Affiche présentée par TRWS

#, TRWS is a PhD student in my lab (2015-). TRWS received the prestigious CROI2018 New Investigator Award covering in part the participation to the meeting.

**2018** Vanessa Sue Wacleche, Amélie Cattin#, Jean-Philippe Goulet, Annie Gosselin, Jean-Pierre Routy, **Petronela Ancuta\***. *Identification of RALDH as a Functional Marker Promoting CD16+ Monocyte-Derived Dendritic Cell Pathogenicity during HIV-1 Infection*. Keystone Symposia on Myeloid cells. 8-12 avril 2018. Beaver Run Resort, Breckenridge, Colorado, É-U.

#AC is a PhD Student in my lab (2015-). Affiche présenté par AC.

**2018** Yuwei Zhang, Delphine Planas#, Huicheng Chen, Annie Gosselin, Jean-Pierre Routy, **Petronela Ancuta\***. *The PPAR $\gamma$  Antagonism Boosts ROR $\gamma$ t-Mediated Effector Functions and Locks HIV Reactivation in Th17 Cells*. Keystone Symposia on HIV and Co-Infections: Pathogenesis, Inflammation and Persistence. 15-20 avril 2018. Whistler, BC, Canada.

**2018** Yuwei Zhang, Delphine Planas, Huicheng Chen, Annie Gosselin, Jean-Pierre Routy, **Petronela Ancuta\***. *Using the PPAR $\gamma$  Antagonism to Block/Lock HIV Reactivation in Th17 Cells*. 22<sup>nd</sup> international AIDS Conference, 23-27 juillet 2018, Amsterdam, Netherlands. Présentation orale par PA.

**2019** Delphine Planas#, Amélie Pagliuzza, Aoûtine Fert, Laurence Marsand Raymond, Annie Gosselin, Rosalie Ponte, Franck Dupuy, Vikram Mehraj, Sylvie Lesage, Maged Peter Ghali, Jonathan B. Angel, Eric A. Cohen, Nicolas Chomont, **Petronela Ancuta\***, and Jean-Pierre Routy. *Metformin Treatment in Non-Diabetic HIV-Infected Individuals on ART*. CROI2019. 4-7 mars 2019. Seattle, WA, É-U. Affiche presentation by DP.

#, DP is a PhD student in my lab (2014-). DP received the prestigious CROI2019 New Investigator Award covering in part the participation to the meeting.  
PA and JPR, equal contribution

**2019** **Amélie Cattin**: Vanessa Sue Wacleche, Natalia Fonseca Do Rosario, Jean-Philippe Goulet, Dominique Gauchat, Annie Gosselin, Jean-Pierre Routy, **Petronela Ancuta\***. *CD16+ monocytes are precursors for dendritic cells with RALDH activity that promote pathogenicity during HIV-1 infection*. CSI 2019, 12-15 avril 2019. Banff, AB, Canada.

**2019** Augustine Fert, Delphine Planas, Jean-Pierre Routy, **Petronela Ancuta\***. *The mTOR Regulates HIV-1 Replication in Th17-Polarized CD4<sup>+</sup> T-Cells*. Annual meeting of the Canadian Society of Immunology (CSI) 2019, 12-15 avril 2019. Banff, AB, Canada. Présentation par affiche par AF.

- 2019** Delphine Planas, Yuwei Zhang, Jean-Philippe Goulet, Maria Julia Ruiz, Laurence Raymond Marchand, Augustine Fert, Tomas Raul Wiche Salinas, Huicheng Chen, Annie Gosselin, Jean-Pierre Routy, Nicolas Chomont, and Petronela Ancuta\*. *The PPAR $\gamma$  Antagonism Reverses HIV Latency but Prevents Viral Production/Infectivity while Boosting Th17 Functions*. Cold Spring Harbor Laboratories. Retroviruses. May 20-25, 2019. Cold Spring Harbor, NY, USA. Présentation par affiche par DP.
- 2019** Laurence Raymond Marchand, Yuwei ZHANG, Delphine PLANAS, Huicheng CHEN, Vanessa Sue WACLECHE, Annie GOSSELIN, Jean-Philippe GOULET, Marta MASSANELLA, Mario FILION, Jean-Pierre ROUTY, and Petronela ANCUTA\*. *Improved HIV Reactivation via Optimized Cell-Culture, Retinoic Acid Stimulation, and CCR6+CD4+ T-Cell Enrichment*. Cold Spring Harbor Laboratories. Retroviruses. May 20-25, 2019. Cold Spring Harbor, NY, USA. Présentation par affiche par LRM.
- 2019** Debashree Chatterjee, Tomas Raul Wiche Salinas, Delphine Planas, Laurence Raymond Marchand, Amelie Cattin, Augustine Fert, Etienne Moreira Gabriel, Yuwei Zhang, Daniel Kaufmann, Jean-Pierre Routy and Petronela Ancuta\*. *Diurnal Variations in Circulating T-Cell Counts and Phenotype in Treated HIV-Infected Individuals*. Canadian Society for Chronobiology Meeting. Montréal, May 26-28, 2019. Affiche presentation par DC.
- 2019** Delphine Planas, Yuwei Zhang, Jean-Philippe Goulet, Maria Julia Ruiz, Laurence Raymond Marchand, Augustine Fert, Tomas Raul Wiche Salinas, Huicheng Chen, Annie Gosselin, Jean-Pierre Routy, Nicolas Chomont, Petronela Ancuta. *The PPAR $\gamma$  Antagonism Reverses HIV Latency but Prevents Viral Production/Infectivity while Boosting Th17 Functions*. Cold Spring Harbor Laboratories. Retroviruses. May 20-25, 2019. Cold Spring Harbor, NY, USA. Présentation par affiche par DP.
- 2019** Laurence Raymond Marchand, Yuwei ZHANG, Delphine PLANAS, Huicheng CHEN, Vanessa Sue WACLECHE, Annie GOSSELIN, Jean-Philippe GOULET, Marta MASSANELLA, Mario FILION, Jean-Pierre ROUTY, Petronela ANCUTA. *Improved HIV Reactivation via Optimized Cell-Culture, Retinoic Acid Stimulation, and CCR6+CD4+ T-Cell Enrichment*. Cold Spring Harbor Laboratories. Retroviruses. May 20-25, 2019. Cold Spring Harbor, NY, USA. Présentation par affiche par LRM.
- 2019** Debashree Chatterjee, Tomas Raul Wiche Salinas, Delphine Planas, Laurence Raymond Marchand, Amelie Cattin, Augustine Fert, Etienne Moreira Gabriel, Yuwei Zhang, Daniel Kaufmann, Jean-Pierre Routy, Petronela Ancuta. *Diurnal Variations in Circulating T-Cell Counts and Phenotype in Treated HIV-Infected Individuals*. Canadian Society for Chronobiology Meeting. Montréal, May 26-28, 2019. Affiche presentation par DC.
- 2019** T.R. Wiche Salinas, A. Gosselin, M.G. Bego, H. Touil, Y. Zhang, D. Vlad, J-P. Routy, É.A. Cohen, C.L. Tremblay, P. Ancuta. IL-17A Imprints Intestinal Epithelial Cells with the Ability to Promote HIV-1 Dissemination/Outgrowth in CD4+ T-Cells. 9<sup>th</sup> Edition. HIV Persistence during Therapy. Reservoirs and Eradication Strategies Workshop. 10-13 décembre 2019. Young Investigator Grant to TRWS, Miami, United States
- 2019** Delphine Planas, Yuwei Zhang, Augustine Fert, Maria Julia Ruiz, Jean-Philippe Goulet, Laurence Raymond Marchand, Huicheng Chen, Tomas Raul Wiche Salinas, Annie Gosselin, Wilfried-Wenceslas Bazie, Caroline Gilbert, Eric A. Cohen, Jean-Pierre Routy, Nicolas Chomont, Petronela Ancuta. Antagonism of PPAR $\gamma$  for Th17 Mucosal Immunity Restoration and HIV Reservoir Purging. 9<sup>th</sup> Edition. HIV Persistence during Therapy. Reservoirs and Eradication Strategies Workshop. 10-13 décembre 2019, Miami, FL, USA. Young Investigator Grant to AF, Miami, United States
- 2020** Delphine Planas, Yuwei Zhang, Augustine Fert, Maria Julia Ruiz, Jean-Philippe Goulet, Laurence Raymond Marchand, Huicheng Chen, Tomas Raul Wiche Salinas, Annie Gosselin, Wilfried-Wenceslas Bazie, Caroline Gilbert, Eric A. Cohen, Jean-Pierre Routy, Nicolas Chomont, Petronela Ancuta. *The PPAR $\gamma$  Antagonism for Th17 Mucosal Immunity Restoration and HIV Reservoir Purging*. Conference on Retroviruses and Opportunistic Infections (CROI), Boston, Massachusetts, 8–11 mars 2020. VIRTUELLE, Boston, USA. AF, New Investigator Award.
- 2020** Debashree Chatterjee, Tomas Raul Wiche Salinas, Yuwei Zhang, Delphine Planas, Amelie Cattin, Augustine Fert, Etienne Moreira Gabriel, Laurence Raymond Marchand, Josée Girouard,

- Nicolas Cermakian, Daniel Kaufmann, Jean-Pierre Routy, **Petronela Ancuta**. Daily Immunological and Virological Variations in Aviremic ART-Treated HIV Participants. Conference on Retroviruses and Opportunistic Infections (CROI), Boston, Massachusetts, March 8–11, 2020, 8–11 mars 2020. VIRTUELLE, Boston, USA. DC, New Investigator Award
- 2020** Etiene Moreira Gabriel, Tomas Raul Wiche Salinas, Mohamed El-Far, Etienne Larouche-Anctil, Annie Gosselin, Madeleine Durand, Jean-Pierre Routy, Cécile Tremblay, **Petronela Ancuta**. Overt Gut IL-32 Isoform Expression during Treated HIV Infection: Regulation by IL-17A. Conference on Retroviruses and Opportunistic Infections (CROI), Boston, Massachusetts, 8–11 mars 2020. VIRTUELLE, Boston, USA Boston, USA. EMG, New Investigator Award.
- 2020** Debashree Chatterjee, Yuwei Zhang, Huicheng Chen, Yasmine Smail, Tomas Raul Wiche Salinas, Jean-Pierre Routy, **Petronela Ancuta**. The Aryl Hydrocarbon Receptor Negatively Regulates HIV Replication in Th17/Th22 Cells. Conference on Retroviruses and Opportunistic Infections (CROI), Boston, Massachusetts, March 8–11, 2020. 8–11 mars 2020. 8–11 mars 2020. VIRTUELLE, Boston, USA. DC, New Investigator Award to DC.
- 2020** D. Chatterjee, Y. Zhang, H. Chen, Y. Smail, T. Wiche Salinas, JP. Routy, P. Ancuta. The Aryl Hydrocarbon Receptor Negatively Regulates HIV Replication in Th17/Th22 Cells. 29<sup>th</sup> Annual Canadian Conference on HIV/AIDS Research, (CAHR 2020), VIRTUELLE, 1-2 mai 2020.
- 2020** Etiene Moreira Gabriel, Tomas Wiche Salinas, Annie Gosselin, Etienne Larouche-Anctil, Mohamed El-Far, Madeleine Durand, Jean-Pierre Routy, Cécile Tremblay, **Petronela Ancuta**. IL-17A Negatively Regulates IL-32 Isoform Expression in intestinal Epithelial Cells in the Context of HIV-1 Infection. 29<sup>th</sup> Annual Canadian Conference on HIV/AIDS Research, (CAHR 2020) VIRTUELLE 1-2 mai 2020, Québec
- 2020** A. Cattin, V.S. Wacleche, N. Fonseca Do Rosario, J.P. Goulet, L. Raymond Marchand, J. Dias, A. Gosselin, J.P. Routy, P. Ancuta. Staphylococcus aureus and Candida albicans Facilitate HIV Reservoir Establishment in CD4+ T Cells by Promoting RALDH Activity in Dendritic Cells. 29<sup>th</sup> Annual Canadian Conference on HIV/AIDS Research (CAHR 2020) VIRTUELLE 1-2 mai 2020 Québec
- 2020** Delphine Planas, Rosalie Ponte, Amélie Pagliuzza, Augustine Fert, Laurence Marchand Raymond, Annie Gosselin, Franck Dupuy, Vikram Mehraj, Sylvie Lesage, Maged Peter Ghali, Jonathan B. Angel, Eric A. Cohen, Nicolas Chomont, Jean-Pierre Routy, **Petronela Ancuta**. Effect of Metformin Treatment on Non-Diabetic HIV-Infected Individuals on ART. 29<sup>th</sup> Annual Canadian Conference on HIV/AIDS Research (CAHR 2020), VIRTUELLE 1-2 mai 2020 (Oral by AF), Québec
- 2020** Amélie Cattin, Tram NQ Pham, Natalia F. Rosario, Laurence Raymond-Marchand, Olga Volodina, Frédéric Dallaire, Jonathan Dias, Jean-Victor Guimond, Natacha Patey, Elie Haddad, Éric A. Cohen, **Petronela Ancuta**. Humanized Mice for Studying HIV Persistence in Long-Lived Tissue-Resident Macrophages. 29<sup>th</sup> Annual Canadian Conference on HIV/AIDS Research (CAHR 2020), VIRTUELLE, 1-2 mai 2020, Québec
- 2020** Christ-D. Ngassaki-Yoka, Debashree Chatterjee, Tomas Wiche Salinas, Laurence Raymond Marchand, Yuwei Zhang, Nicolas Cermakian, Jean-Pierre Routy, Laura Solt, **Petronela Ancuta**. The Circadian Clock Machinery Regulates HIV Transcription in CD4+ T cells. The 29<sup>th</sup> annual Canadian Conference on HIV/AIDS Research (CAHR), April 30<sup>th</sup> - May 3<sup>rd</sup>, 2020. Poster presentation by CDNY. VIRTUELLE, 1-2 mai 2020, Québec
- 2020** T.R. Wiche Salinas, A. Gosselin, M.G. Bego, J-P. Goulet, O. Tasted, Y. Zhang, J-P. Routy, É.A. Cohen, C.L. Tremblay, P. Ancuta. IL-17A Imprints Intestinal Epithelial Cells with the Ability to Promote HIV-1 Dissemination/Outgrowth in CD4+ T-Cells. 29<sup>th</sup> Annual Canadian Conference on HIV/AIDS Research (CAHR 2020), VIRTUELLE, 1-2 mai 2020, Québec
- 2020** D. Chatterjee, T. Wiche Salinas, D. Planas, A. Cattin, A. Fert, E. Gabriel, L. Marchand, Y. Zhang, J. Girouard, N. Cermakian, D. Kaufmann, J-P. Routy, P. Ancuta. Daily Immunological/Virological Variations in Aviremic ART-treated HIV Participants. 29<sup>th</sup> Annual Canadian Conference on HIV/AIDS Research (CAHR 2020), VIRTUELLE, 1-2 mai 2020, Québec