

Universitatea din București
Facultatea de Biologie
Departament Botanică și Microbiologie

LISTA

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat: *Caractérisation phénotypique et fonctionnelle des cellules immuno-compétentes, cibles du virus de l'immunodéficience humaine de type 1 : implications des cytokines dans l'évolution de l'infection virale.* Coordonator: Dr Nicole Haeffner-Cavaillon, Ph.D., Université Paris Sud XI, Orsay, France. Data : 26 octombrie 2000.

>110 publications on PubMed. 45 peer reviewed publications (19 as corresponding author) since 2020; Web of Knowledge Hirsch Index 39 (6,668 citations without self-citations; >500 citations/yes for 2020-2025).

B. Cărți și capitole în cărți publicate în ultimii 10 anii (2015-2025)

1. Cattin A, Fert A, Planas D, **Ancuta P***. *Flow cytometry sorting of memory CCR6+CD4+ T-cells for HIV reservoir quantification.* **Methods Mol Biol.** 2022;2407:81-89.

C. Lucrări indexate ISI/BDI publicate în ultimii 10 anii (2015-2025)

***, autor de corespondentă; FI, factor de impact**

1. 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. **FI: 3.09**

2. 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. **FI: 5.0**

3. 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. **FI: 3.6**

4. 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+ T-cells during chronic HIV-1 infection and potential restoration with early ART.* **Retrovirology.** 015 Apr 30;12(1):38. **FI: 2.7**

5. **Ancuta P***. *A slan-based nomenclature for monocytes?* **Blood.** 2015 Dec 10; 126(24):2536-8. doi: 10.1182/blood-2015-10-675470. Review. **FI: 21**

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6. 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 CCR4(+)CCR6(+)Th17 cells via a genome-wide transcriptional approach. **Retrovirology**. 2015 Dec 10; 12:102. doi: 10.1186/s12977-015-0226-9. **FI: 2.7***
7. 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. **FI: 4.2***
8. 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. **FI: 4.3***
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10. 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. **FI: 2.7***
11. 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. **FI: 3.4***
12. 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. **FI: 3.4***
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14. 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. **FI: 6.3***
15. 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. **FI: 3.4***

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16. 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. **FI: 9.9**
17. 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. **FI: 3.8**
18. 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. **FI: 3.5**
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20. 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. **FI: 3.4**
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23. 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. **FI: 3.4**
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25. 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. **FI: 2.4**
26. 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. **FI: 8.2**

27. 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. **FI: 2.9**
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29. 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. **FI: 5.0**
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31. 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*. 2020 May 12;17(1):15. doi: 10.1186/s12981-020-00273-4. **FI: 2.4**
32. 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. **FI: 6.4**
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37. Planas D, Pagliuzza A, Ponte R, Fert A, Marchand LR, Massanella M, Gosselin A, Mehraj V, Dupuy FP, Isnard S, Goulet JP, Lesage S, Cohen EA, Ghali MP, Angel JB, Chomont N, Routy JP, **Ancuta P***. LILAC pilot study: *Effects of metformin on mTOR activation and HIV reservoir persistence during antiretroviral therapy.* *EBioMedicine.* 2021 Mar;65:103270. **FI: 9.7**

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53. **Ancuta P***. *Genetic haute couture to block HIV-1 at front doors.* **Cell Stem Cell.** 2024 Apr 4;31(4):433-434. Review. **FI: 19.8**

54. Dias J, Cattin A, Bendoumou M, Dutilleul A, Lodge R, Goulet JP, Fert A, Raymond Marchand L, Wiche Salinas TR, Ngassaki Yoka CD, Gabriel EM, Caballero RE, Routy JP, Cohen ÉA, Van Lint C, **Ancuta P***. *Retinoic acid enhances HIV-1 reverse transcription and transcription in macrophages via mTOR-modulated mechanisms.* **Cell Rep.** 2024 Jul 23;43(7):114414. **FI: 9.9**

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56. **Ancuta P***. *Questioning the eradication of HIV-1 reservoirs by targeting cell proliferation.* **Virologie (Montrouge).** 2024 Aug 1;28(4):233-235. **FI: 0.7**

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57. Fert A, Richard J, Raymond Marchand L, Planas D, Routy JP, Chomont N, Finzi A, **Ancuta P***. Metformin facilitates viral reservoir reactivation and their recognition by anti-HIV-1 envelope antibodies. *iScience*. 2024 Aug 5;27(9):110670. doi: 10.1016/j.isci.2024.110670. eCollection 2024 Sep 20. **FI: 4.6**

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A. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți

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- Reviste

fără obiect

Articole de cercetare

1. 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.
2. Planas D, Fert A, Zhang Y, Goulet JP, Richard J, Finzi A, Ruiz MJ, Marchand LR, Chatterjee D, Chen H, Salinas TRW, Gosselin A, Cohen EA, Routy JP, Chomont N, **Ancuta P***. Pharmacological Inhibition of PPAR γ Boosts HIV Reactivation and Th17 Effector Functions, While Preventing Progeny Virion Release and de novo Infection. *Pathog Immun.* 2020 Sep 30;5(1):177-239. doi: 10.20411/pai.v5i1.348. eCollection 2020. PMID: 33089034
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2. Dias J, Cattin A, Goulet JP, Raymond Marchand L, Fert A, Wiche Salinas TR, Ngassaki Yoka CD, Moreira Gabriel E, Routy JP, **Ancuta P**. *Retinoic acid transcriptionally reprograms macrophages for increased permissiveness to HIV-1 replication. HIV Persistence during therapy.* Reservoirs and Eradication. Strategies Workshop; Miami, Floride, USA, 13-16 décembre 2022. Poster presentation by JD.
3. Fert A, Chatterjee D, Wiche Salinas TR, Zhang Y, Planas D, Cattin A, Moreira Gabriel E, Raymond Marchand L, Ngassaki Yoka CD, Girouard J, Cermakian N, Kaufmann DE, Routy JP, **Ancuta P**. *Daily variations in residual viral transcription in ART-treated people living with HIV-1.* Canadian Association for HIV Research (CAHR), Québec, 27-30 avril 2023. Poster presentation by AF.
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5. Caballero E, Mouland A, Boucoiran I, Costiniuk C, **Ancuta P**. *Term placenta as a model to investigate mechanisms of HIV persistence within tissue-resident macrophages of distinct origins.* Canadian Association for HIV Research (CAHR), Québec, 27-30 avril 2023. Poster presentation by EC.
6. Moreira Gabriel E, Wiche Salinas T, Durand M, Landay A, El-Far M, Tremblay C, **Ancuta P**. *Novel regulators for IL-32 expression in inflamed intestinal epithelial cells in the context of HIV Infection.* Canadian Association for HIV Research (CAHR), Québec, 27-30 avril 2023. Poster presentation by EMG.

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7. Ngassaki-Yoka CD, Chatterjee D, Zhang Y, Wiche Salinas TR, Raymond Marchand L, Bell B, Cermakian N, Routy JP, Solt L, **Ancuta P.** *The transcriptional repressor REV-ERB regulates HIV-1 replication and outgrowth in CD4+ T-cells.* Canadian Association for HIV Research (CAHR), Québec, 27-30 avril 2023. Oral Presentation by CDNY.

8. Dias J, Cattin A, Goulet JP, Raymond Marchand L, Fert A, Wiche Salinas TR, Ngassaki Yoka CD, Moreira Gabriel E, Routy UP, **Ancuta P.** Retinoic acid transcriptionally reprograms macrophages for increased permissiveness to HIV-1 Replication. Canadian Association for HIV Research (CAHR), Québec, 27-30 avril 2023. Oral Presentation by JD, who received the **New Investigator Award in Basic Science.**

9. Măruțescu L, Enea A, Dragu E, Popa M, Antonia Costea Diana, Neculae M, Codrici E, Ristoiu V, Chifiriuc C, Lažar V, Grigore R, **Ancuta P.** *SARS-CoV-2 Humoral Immunity in a Cohort of Patients with Head and Neck Carcinoma.* AMP EUROPE, Milan, Italie, 18-20 juin 2023. Poster presentation by EA.

10. Augustine Fert, Jonathan Richard, Laurence Raymond Marchand, Delphine Planas, Jean-Pierre Routy, Nicolas Chomont, Andrés Finzi and **Petronela Ancuta.** *Metformin Enhances Antibody-Mediated Recognition of HIV-Infected CD4+ T-Cells by Decreasing Viral Release.* **Canadian Association of HIV Research (CAHR).** London, ON, Canada, April 24-28, 2024. Poster presented by PA.

11. Christ-D. Ngassaki-Yoka, Debashree Chatterjee, Yuwei Zhang, Tomas Wiche Salinas, Laurence Raymond Marchand, Brendan Bell, Nicolas Cermakian, Jean-Pierre Routy, Laura Solt, and **Petronela Ancuta.** *Pharmacological Blockade of the Transcriptional Repressor REV-ERB Boosts HIV-1 Outgrowth in CD4+ T-Cells of ART-Treated PWH while Preventing Virion Propagation.* **Canadian Association of HIV Research (CAHR).** London, ON, Canada, April 24-28, 2024. Poster presented by PA.

12. Ramon Edwin Caballero, Jonathan Dias, Jean-Philippe Goulet, Jean-Pierre Routy, Andrew J. Mouland, and **Petronela Ancuta.** *Retinoic Acid Blunts the Aryl Hydrocarbon Receptor/SAMHD1-Dependent HIV-1 Restriction in Macrophages.* **Conference on Retroviruses and Opportunistic Infections (CROI).** March 3-6, 2024, Denver, CO, USA. Poster presented by REC.

13. Etienne Moreira Gabriel, Jean-François Schmouth, Julie Moreaux, Tomas Raul Wiche Salinas, Laurence Raymond Marchand, Madeleine Durand, Mohamed El-Far, Cécile Tremblay, Jean-Pierre Routy and **Petronela Ancuta.** *IL-22, IL-26 and PPAR γ Reduce the Capacity of Intestinal Epithelial Cells to Promote HIV-1 Outgrowth in CD4+ T-Cells Independently of IL-32 Expression.* **Keystone Symposia – Regulation of barrier immunity, February 18-21, 2024, Banff, Alberta, Canada.** Poster presented by EMG.

14. Augustine Fert, Debashree Chatterjee, Tomas Raul Wiche Salinas, Yuwei Zhang, Delphine Planas, Amelie Cattin, Laurence Raymond Marchand, Etienne Moreira Gabriel, Christ-Dominique Ngassaki-Yoka, Josee Girouard, Ali Filali-Mouhim, Nicolas Cermakian, Daniel E. Kaufmann, Jean-Pierre Routy, and Petronela Ancuta. *Daily Variations of CD4+ T-Cell Counts and Phenotype in Relationship with Residual Viral Transcription in the Blood of People with HIV-1 Receiving Antiretroviral Therapy.* AIDS 2024, the 25th International AIDS Conference, Munich, Germany, July 22-26, 2024. Oral presentation by PA.

15. Jonathan Dias, Etienne Moreira Gabriel, Tomas Raul Wiche Salinas, Abdelali Filali-Mouhim, Madeleine Durand, Carl Chantrand-Lefebvre, Jean-Pierre Routy, Mohamed El-Far, Cécile Tremblay, Petronela Ancuta. *Identification of ALDH Activity as an New Immunological Marker for HIV and Cardiovascular Disease.* Conference on Retroviruses and Opportunistic Infections (CROI), San Francisco, United States of America March 3-7, 2025. Poster presentation by JD.

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18. Augustine Fert, Debashree Chatterjee, Tomas Raul Wiche Salinas, Delphine Planas, Amelie Cattin, Laurence Raymond Marchand, Etienne Moreira Gabriel, Christ-Dominique Ngassaki-Yoka, Yuwei Zhang, Josee Girouard, Abdelali Filali-Mouhim, Nicolas Cermakian, Daniel E. Kaufmann, Jean-Pierre Routy, Petronela Ancuta. (2025) *Daily Variations in Integrated HIV-DNA Load, Residual Viral Transcription and Genome-Wide Transcriptional Profiles in CD4+ T-Cells of People with HIV-1 Receiving Antiretroviral Therapy*. Canadian Society for Chronobiology (CSC) Annual Meeting. Montreal, Canada. May 25-27, 2025. 20 min oral presentation by PA.

19. Julie Moreaux, Kimiya Majidi Ivvari, Etienne Moreira Gabriel, Chernkhwan Kaofai, Jonathan Dias, Soumia Khalfi, Jean-Philippe Goulet, Jean-Francois Schmouth, Tomas Raul Wiche Salinas, Jean-Pierre Routy, Mohamed El-Far, and Petronela Ancuta. *Type I Interferon Reprograms Intestinal Epithelial Cells for Sustained HIV-1 Latency in CD4+ T Lymphocytes via CXCL10/PD-L1-Dependent Mechanisms Exacerbated by IL-32*. The annual meeting of the Canadian Society for Immunology (CSI), April 26-30, 2026, Winnipeg, Manitoba, Canada. Oral presentation by PA.

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