

## Daniel Enriquez-Vera

PhD(c) at Kagoshima University

- ▶ Kagoshima, Japan.
- ▶ 36 years-old Peruvian clinician-scientist.



## Skills

R 5+ yrs.

Python 3+ yrs.

Bash/Linux 1+ yrs.

Rmarkdown, Quarto 3+ yrs.

## Tools

- ▶ Git
- ▶ RStudio
- ▶ Python
- ▶ VS Code, Positron
- ▶ Terminal (bash)

## Summary

I am an MD oncologist with a deep fascination for the interplay between viruses and lymphoid malignancies—particularly HTLV-1-driven adult T-cell leukemia/lymphoma (ATLL). Though firmly rooted in clinical practice, I've been captivated by the translational potential of virology and immunotherapy, leading me to pursue the a PhD. My research interests lie at the intersection of leukemia/lymphoma biology, viral oncogenesis, and emerging CAR-T strategies, with the ultimate goal of bridging bench insights to bedside impact as a clinician-scientist.

## Experience

**Attending Physician - Medical Oncologist**  
AUNA - Oncosalud

2020-01 to 2021-09

Attending physician in the Hematology/Oncology inpatient unit.

**Associated Researcher**  
AUNA - Oncosalud

2018-10 to 2021-10

Clinical research in the Hematology/Oncology unit.

**Attending Physician - Medical Oncologist**  
Peruvian National Cancer Institute (INEN)

2018-07 to 2021-09

Leukemia/Lymphoma service coordinator

**Medical Auditor**  
RIMAC

2018-01 to 2019-12

International insurance coordinator, MSL.

**Primary Care Physician**  
Essalud - Primary Care Center Ucupe

2012-05 to 2013-05

National rural social service

## Projects

- T-cell Lymphoma Project in LATAM.
- Thesis: Comparative Analysis of Immune and Genomic Profiles in HTLV-1-Associated ATLL: Indigenous Latin American vs. Japanese Cohorts

## Oral Presentations

- Genomic diversity of HTLV-1 in South America. International HTLV conference (London, UK) - 2024.
- Japanese HTLV-1 Society Annual Conference (Tokyo, Japan) - 2024.

## Education

04/2022 - 04/2026

**Ph.D. in Virology-Immunology**

Kagoshima University

Thesis: Mechanisms of T-cell dysfunction during HTLV-1 to ATLL progression

07/2019 - 07/2021

**Master in Oncology**

Universidad Privada Cayetano Heredia

Thesis: Molecular and phenotypical characteristics of ATL-HTLV-1 in a Peruvian cohort

07/2017 - 07/2018

**Clinical research fellowship in Hematology/Oncology**

Peruvian National Cancer Institute (INEN)

07/2013 - 06/2017

**Medical Oncology Residency**

Universidad Privada Cayetano Heredia (UPCH)

03/2005 - 03/2012

**Medical Doctor (MD)**

Universidad Nacional Pedro Ruiz Gallo (UNPRG)

## Contact

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🏠 The Leuk-chemist


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## Publications

### Peer-Reviewed Articles

1. Estrada-Grossmann JM, Alarcon-Braga E, Salazar-Valdivia F, Silvana-Jauregui A, Acurio K, Pacheco-Barrios N, Al-kassab-Córdova A, and Enriquez-Vera D. Risk Factors for Malignant Progression to Adult-T-cell Leukemia/Lymphoma in HTLV-1 Carriers: A Systematic Review of Cohort and Case-Control Studies Risk Factors for ATL in HTLV-1 Carriers: Review. *Clinical Lymphoma Myeloma and Leukemia*. 2025 Apr 19. DOI: 10.1016/j.clml.2025.04.013. Available from: <https://www.sciencedirect.com/science/article/pii/S2152265025001442> [Accessed on: 2025 Apr 22]
2. Malpica L, Idrobo H, Pavlovsky A, Miranda ECM, Castro D, Beltran B, Enriquez DJ, Vasquez JF, Roche C, Valvert F, Villela L, Fischer T, Pereira J, Baptista RLR, Duffles G, Brasil SAB, Oliver C, Tavarez JV, Warley F, Fiad L, Korin L, Pereyra PH, Roa M, Torres MA, Mahuad CV, Quiroz AR, Gazitua R, Federico M, Valcarcel B, and Chiatton C. Epidemiology, clinical features, and outcomes of peripheral T-cell lymphoma in Latin America: an international, retrospective, cohort study. *The Lancet Haematology*. 2025 Apr 1; 12. Publisher: Elsevier:e258–e268. DOI: 10.1016/S2352-3026(25)00011-0. Available from: [https://www.thelancet.com/journals/lanhae/article/PIIS2352-3026\(25\)00011-0/abstract](https://www.thelancet.com/journals/lanhae/article/PIIS2352-3026(25)00011-0/abstract) [Accessed on: 2025 Apr 9]
3. Briercheck E, Ravishankar S, Ahmed E, Alvarado C, Menéndez J, Silva O, Solórzano-Ortiz E, Tala M, Stevenson P, Xu Y, Wohns A, Enriquez-Vera D, Barrionuevo C, Yu SC, Freud A, Oakes C, Weigel C, Weinstock D, Klimaszewski H, Ngankeu A, Mutalima N, Samayoa-Reyes G, Newton R, Rochford R, Valvert F, Natkunam Y, Shustov A, Baiocchi R, and Warren E. Geographic EBV variants confound disease-specific variant interpretation and predict variable immune therapy responses. *Blood Advances*. 2024; 8:3731–44. DOI: 10.1182/bloodadvances.2023012461
4. Bustamante E, Casas F, Luque R, Piedra L, Barros-Sevillano S, Chambergo-Michilot D, Torres-Roman J, Narvaez-Rojas A, Morante Z, Enriquez-Vera D, Desai A, Razuri C, De La Cruz-Ku G, and Araujo J. Brain Metastasis in Triple-Negative Breast Cancer. *Breast Journal*. 2024; 2024. DOI: 10.1155/2024/8816102
5. Castro-Uriol D, Rios L, Enriquez-Vera D, Montoya J, Runciman T, Alarcón S, Zapata A, Hernández E, León E, Malpica L, and Valcarcel B. Real-World Outcomes of Adolescents and Young Adults with Diffuse Large B-Cell Lymphoma: A Multicenter Retrospective Cohort Study. *Journal of Adolescent and Young Adult Oncology*. 2024 Apr; 13:323–30. DOI: 10.1089/jayao.2023.0095
6. Chávez-Alvarado S, Quispe-Chipana M, Alvarado-Gamarra G, Enríquez-Vera D, Chávez-Rimache L, Estupiñán-Vigil M, Romero-Cerdán A, Quincho-Lopez A, Saavedra-Diaz J, Vargas-Chávez I, and Urrunaga-Pastor D. Edad como predictor de la severidad de la COVID-19 en pacientes pediátricos: una cohorte retrospectiva en un hospital de referencia del Perú. *ACTA MEDICA PERUANA*. 2024 Dec 30; 41:158–66. DOI: 10.35663/amp.2024.413.3063. Available from: <https://amp.cmp.org.pe/index.php/AMP/article/view/3063> [Accessed on: 2025 Mar 17]
7. Chiba N, Suzuki S, Enriquez-Vera D, Utsunomiya A, Kubuki Y, Hidaka T, Shimoda K, Nakahata S, Yamada T, and Morishita K. Succinic semialdehyde derived from the gut microbiota can promote the proliferation of adult T-cell leukemia/lymphoma cells. *Heliyon*. 2024 Oct 30; 10. Publisher: Elsevier. DOI: 10.1016/j.heliyon.2024.e38507. Available from: [https://www.cell.com/heliyon/abstract/S2405-8440\(24\)14538-0](https://www.cell.com/heliyon/abstract/S2405-8440(24)14538-0) [Accessed on: 2025 Apr 9]
8. Castro-Uriol D, Rios L, Enriquez-Vera D, Montoya J, Runciman T, Alarcón S, Zapata A, Hernández E, León E, Malpica L, and Valcarcel B. Real-World Outcomes of Adolescents and Young Adults with Diffuse Large B-Cell Lymphoma: A Multicenter Retrospective Cohort Study. *Journal of Adolescent and Young Adult Oncology*. 2023 Oct 16. DOI: 10.1089/jayao.2023.0095

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## Awards

04/2024

**Advanced Clinical Research Institute - LATAM**

American Society of Hematology - Bogotá, Colombia

04/2020 - 04/2022

**Certificate of Competence in Lymphoma**

European School of Oncology - Ulm University

10/2021 - 06/2026

**SGD Leaders PhD Scholarship**

Japanese Agency of International Cooperation - JICA

02/2020 - 04/2020

**Global Hematology Fellowship - British Haematology Society**

University College of London

01/2020

**Sakura Science Exchange Program**

Miyazaki University

07/2018 - 08/2018

**Global Fellowship of the International Chronic Myeloid Leukemia Foundation**

City of Hope - Los Angeles, USA

9. Nakahata S, Enriquez-Vera D, Jahan MI, Sugata K, and Satou Y. Understanding the Immunopathology of HTLV-1-Associated Adult T-Cell Leukemia/Lymphoma: A Comprehensive Review. *Biomolecules*. 2023 Oct; 13. Number: 10 Publisher: Multidisciplinary Digital Publishing Institute:1543. DOI: 10.3390/biom13101543. Available from: <https://www.mdpi.com/2218-273X/13/10/1543> [Accessed on: 2023 Oct 22]
10. Valcarcel B, Enriquez-Vera D, De-la-Cruz-Ku G, Chambergo-Michilot D, Calderón-Huaycochea H, and Malpica L. Epidemiological Features and Outcomes of HTLV-1 Carriers Diagnosed With Cancer: A Retrospective Cohort Study in an Endemic Country. *JCO global oncology*. 2023 Mar; 9:e2200369. DOI: 10.1200/G0.22.00369
11. Valcarcel B, Torres-Roman JS, Enriquez-Vera D, and De-la-Cruz-Ku G. Clinical Features and Outcomes of Triple-Negative Breast Cancer Among Latin American Adolescents and Young Adults Compared to Middle-Aged and Elder Females: A Cohort Analysis Over 15 Years. *Journal of Adolescent and Young Adult Oncology*. 2023 Oct 17. Publisher: Mary Ann Liebert, Inc., publishers 140 Huguenot Street, 3rd Floor New Rochelle, NY 10801 USA. DOI: 10.1089/jayao.2022.0075. Available from: <https://www.liebertpub.com/doi/10.1089/jayao.2022.0075> [Accessed on: 2024 Jan 22]
12. Valcarcel B, Torres-Roman JS, Enriquez D, Vidaurre T, and De la Cruz-Ku G. Temporal Variation of Treatment Patterns and Survival Outcomes of Triple-Negative Breast Cancer Patients: A Real-World Experience From 2000 to 2014. *Clinical Breast Cancer*. 2023 Oct; 23:737–745.e5. DOI: 10.1016/j.clbc.2023.07.003
13. Valcarcel-Valdivia B, Enriquez-Vera D, Piedra LE, Holguín A, and De la Cruz Ku G. Treatment outcomes of patients with classic and AIDS-related Kaposi Sarcoma: a single-center real-world experience. *Clinical and Experimental Medicine*. 2023 Nov 9. DOI: 10.1007/s10238-023-01246-3
14. Aguilar A, Mas L, Enríquez D, Vallejos C, Gutarra R, and Flores CJ. Impact of Targeted Therapy on the Survival of Patients With Advanced-Stage Non-small Cell Lung Cancer in Oncosalud - AUNA. *Cancer Control: Journal of the Moffitt Cancer Center*. 2022; 29:10732748211068637. DOI: 10.1177/10732748211068637
15. Gómez-De León A, Demichelis-Gómez R, Pinedo-Rodríguez A, Enriquez-Vera D, Flores-Jiménez JA, Ceballos-López AA, Rodríguez-Mejorada M, Herrera Riojas MA, Ovilla-Martínez R, Báez-Islas P, Cota-Rangel X, Neme-Yunes Y, Inclán-Alarcón S, López-Flores NJ, Colunga-Pedraza PR, Rodríguez-Zúñiga AC, and Gómez-Almaguer D. Venetoclax-based combinations for acute myeloid leukemia: optimizing their use in Latin-America. *Hematology (Amsterdam, Netherlands)*. 2022 Dec; 27:249–57. DOI: 10.1080/16078454.2021.2024940
16. Al-Kassab-Córdova A, Mendez-Guerra C, Quevedo-Ramírez A, Espinoza R, Enriquez-Vera D, and Robles-Valcarcel P. Rural and urban disparities in anemia among Peruvian children aged 6-59 months: a multivariate decomposition and spatial analysis. *Rural and Remote Health*. 2022 Apr; 22:6936. DOI: 10.22605/RRH6936
17. Malpica L, Castro D, Enriquez DJ, Oviedo-Pecho R, Peña C, Idrobo H, Fiad L, Prates M, Valcarcel B, Paredes A, Sánchez G, Moisés C, Castillo JJ, Villela L, Ramos JC, Biglione M, Beltran BE, and Grupo de Estudio Latinoamericano de Linfoproliferativos (GELL). An international, multicenter, retrospective study on the positive impact of cutaneous involvement on the clinical outcome of adult T-cell leukemia/lymphoma. *Leukemia & Lymphoma*. 2022 Feb; 63:315–25. DOI: 10.1080/10428194.2021.1984455
18. Mundy-Bosse BL, Weigel C, Wu YZ, Abdelbaky S, Youssef Y, Casas SB, Polley N, Ernst G, Young KA, McConnell KK, Nalin AP, Wu KG, Broughton M, Lordo MR, Altynova E, Hegewisch-Sollosa E, Enriquez-Vera DY, Dueñas D, Barrionuevo C, Yu SC, Saleem A, Suarez CJ, Briercheck EL, Molina-Kirsch H, Loughran TP, Weichenhan D, Plass C, Reneau JC, Mace EM, Gamboa FV, Weinstock DM, Natkunam Y, Caligiuri MA, Mishra A, Porcu P, Baiocchi RA, Brammer JE, Freud AG, and Oakes CC. Identification and Targeting of the Developmental Blockade in Extranodal Natural Killer/T-cell Lymphoma. *Blood Cancer Discovery*. 2022 Mar 1; 3:154–69. DOI: 10.1158/2643-3230.BCD-21-0098
19. Valcarcel B, Ampuero GS, Cruz-Ku G de la, Enriquez DJ, and Malpica L. Outcomes of HTLV-1 Carriers with Diffuse Large B-Cell Lymphoma: A Single-Center Retrospective Matched Cohort Study. *Clinical Lymphoma, Myeloma & Leukemia*. 2022 Apr; 22:251–9. DOI: 10.1016/j.clml.2021.09.017

04/2018

**Clinical Research Institute - LATAM**

American Society of Hematology - Rio de Janeiro, Brazil

12/2017

**ASH Annual Meeting - Abstract Achievement Award**

American Society of Hematology - Chicago, USA

12/2017 - 12/2017

**Global Observership Program**

MD Anderson Cancer Center - Houston, USA

04/2017 - 05/2017

**Global Training Program**

Memorial Sloan Kettering Cancer Center - NYC, USA

2017

**Scholarship - Peruvian Cancer Foundation**

Fundación Peruana de Cáncer - Lima, Perú

20. Vidaurre T, Enriquez-Vera D, Al-kassab-Córdova A, Lachira-Yparraguirre L, and Bertani S. Excess mortality in patients with cancer during the COVID-19 pandemic in Peru: an analysis of death registry data. *The Lancet Oncology*. 2022 Jul; 23:S28. DOI: 10.1016/S1470-2045(22)00427-2. Available from: <https://linkinghub.elsevier.com/retrieve/pii/S1470204522004272> [Accessed on: 2023 Oct 22]
21. Zavala VA, Casavilca-Zambrano S, Navarro-Vásquez J, Castañeda CA, Valencia G, Morante Z, Calderón M, Abugattas JE, Gómez H, Fuentes HA, Liendo-Picoaga R, Cotrina JM, Monge C, Neciosup SP, Huntsman S, Hu D, Sánchez SE, Williams MA, Núñez-Marrero A, Godoy L, Hechmer A, Olshen AB, Dutil J, Ziv E, Zabaleta J, Gelaye B, Vásquez J, Gálvez-Nino M, Enriquez-Vera D, Vidaurre T, and Fejerman L. Association between Ancestry-Specific 6q25 Variants and Breast Cancer Subtypes in Peruvian Women. *Cancer Epidemiology, Biomarkers & Prevention: A Publication of the American Association for Cancer Research, Cosponsored by the American Society of Preventive Oncology*. 2022 Aug 2; 31:1602–9. DOI: 10.1158/1055-9965.EPI-22-0069
22. Alcarraz C, Samanez C, Quintana S, Aliaga R, Lopez L, Vasquez J, Enriquez D, Custodio Y, Beltran B, Runciman T, Castro D, Paredes S, Barrionuevo C, Dueñas D, and Hajar G. Management of oncohematological neoplasms in the COVID-19 pandemic: Experts recommendation. *Anales de la Facultad de Medicina*. 2021; 82:161–8. DOI: 10.15381/anales.v82i2.18838
23. Malpica L, Enriquez DJ, Castro DA, Peña C, Idrobo H, Fiad L, Prates M, Otero V, Biglione M, Altamirano M, Sandival-Ampuero G, Aviles-Perez U, Meza K, Aguirre-Martinez L, Cristaldo N, Maradei JL, Guanchiale L, Soto P, Viñuela JL, Cabrera ME, Paredes SR, Riva E, Di Stefano M, Noboa A, Choque JA, Candelaria M, Von Glasenapp A, Valvert F, Torres-Viera MA, Castillo JJ, Ramos JC, Villela L, and Beltran BE. Real-World Data on Adult T-Cell Leukemia/Lymphoma in Latin America: A Study From the Grupo de Estudio Latinoamericano de Linfoproliferativos. *JCO global oncology*. 2021 Jul; 7:1151–66. DOI: 10.1200/G0.21.00084
24. Rioja P, Macetas J, Luna-Abanto J, Tirado-Hurtado I, and Enriquez DJ. Gastric myeloid sarcoma: A case report. *World Journal of Clinical Oncology*. 2021 Oct 24; 12:960–5. DOI: 10.5306/wjco.v12.i10.960
25. Valcarcel B, De-la-Cruz-Ku G, Malpica L, and Enriquez-Vera D. Clinical features and outcome of *Aeromonas sobria* bacteremia in pediatric and adult patients with hematologic malignancies: A single-center retrospective study in Peru. *PloS One*. 2021; 16:e0255910. DOI: 10.1371/journal.pone.0255910
26. Cruz-Ku G de la, Chamberg-Michilot D, Torres-Roman JS, Rebaza P, Pinto J, Araujo J, Morante Z, Enriquez D, Flores C, Luque R, Saavedra A, Lujan M, Gomez H, and Valcarcel B. Neutrophil-to-lymphocyte ratio predicts early mortality in females with metastatic triple-negative breast cancer. *PloS One*. 2020; 15:e0243447. DOI: 10.1371/journal.pone.0243447
27. De la Cruz-Ku GA, Chamberg-Michilot D, Valcarcel B, Rebaza P, Möller M, Araujo JM, Enriquez D, Morante Z, Razuri C, Luque R, Saavedra A, Eyzaguirre E, Lujan M, Noel N, Pinto J, Cotrina J, and Gomez H. Lymph node ratio as best prognostic factor in triple-negative breast cancer patients with residual disease after neoadjuvant chemotherapy. *The Breast Journal*. 2020 Sep; 26:1659–66. DOI: 10.1111/tbj.13988
28. De-la-Cruz-Ku G, Luyo M, Morante Z, Enriquez D, Möller MG, Chamberg-Michilot D, Flores L, Luque R, Saavedra A, Eyzaguirre-Sandoval ME, Luján-Peche MG, Noel N, Calderon H, Razuri C, Fuentes HA, Cotrina JM, Neciosup SP, Araujo J, Lema A, Pinto J, Gomez HL, and Valcarcel B. Triple-negative breast cancer in Peru: 2000 patients and 15 years of experience. *PloS One*. 2020; 15:e0237811. DOI: 10.1371/journal.pone.0237811
29. De-la-Cruz-Ku G, Valcarcel B, Morante Z, Möller MG, Lizandro S, Rebaza LP, Enriquez D, Luque R, Luján-Peche MG, Eyzaguirre-Sandoval ME, Saavedra A, Razuri C, Pinto JA, Fuentes HA, Neciosup SP, and Gomez HL. Breast-conserving surgery vs. total mastectomy in patients with triple negative breast cancer in early stages: A propensity score analysis. *Breast Disease*. 2020; 39:29–35. DOI: 10.3233/BD-190391
30. Lachira-Yparraguirre L, Al-Kassab-córdova A, Quispe-Silvestre E, and Enriquez-Vera D. Cardiac amyloidosis secondary to waldenström macroglobulinemia. *Revista Cubana de Hematología, Inmunología y Hemoterapia*. 2020; 36:1–11