

CONTACT INFORMATION

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PROFESSIONAL SUMMARY:

Highly analytical and creative epidemiologist with experience managing biological data as well as large cohort data using statistical programs such as R, STATA, and GraphpadPrism. Key strengths include transdisciplinary assessment, data analysis and interpretation, scientific writing and communication, and epidemiological methods.

EDUCATION

Exp. 02/2025	University of Zürich: Life Science Zürich Graduate School (LSZGZ) PhD Epidemiology and Biostatistics
2021	University of Basel: Swiss Tropical and Public Health Institute (SwissTPH) MSc Epidemiology
2017	University of California San Diego (UCSD) BA Global Health / BSc Human Biology

EMPLOYMENT HISTORY

03/2016-08/2019	Research Associate - Kolodner Laboratory (cancer genetics), Ludwig Institute for Cancer Research, San Diego, CA, USA
11/2012-10/2014	Research Assistant - La Spada Laboratory (neurodegenerative diseases), Sanford Consortium for Regenerative Medicine, San Diego, CA, USA
06/2014-09/2014	Administrative Assistant - Children's Hospital Los Angeles, Los Angeles, CA, USA
06/2011-08/2011	Biomedical Research Intern - Latino and African American High School Internship Program, Wang Laboratory (liver diseases), Saban Research Institute, San Diego, CA, USA

TEACHING EXPERIENCE

10/2015-10/2016	Tutor and Mentor - Reality Changers, San Diego, CA, USA
06/2012-08/2012	Alumna and Assistant to the Director - Samuels Family Latino and African American High School Internship Program, Los Angeles, CA, USA

PUBLICATIONS

- (1) Manuscript in preparation: "Validity and cardiometabolic risk profiles of epigenetic clocks in southcentral Côte d'Ivoire".

- (2) Center on Gender Equity and Health, University of California San Diego. [Sexual Violence Research: Findings from a Systematic Review of the Literature 2015 - 2019](#). *California Coalition Against Sexual Assault*, September 2019.
- (3) Srivatsan, A., Li, B., **Sanchez, D. N.**, Somach, S. B., da Silva, V. L., de Souza, S. J., Putnam, C. D., & Kolodner, R. D. (2019). Essential *Saccharomyces cerevisiae* genome instability suppressing genes identify potential human tumor suppressors. *Proceedings of the National Academy of Sciences of the United States of America*, 116(35), 17377–17382. <https://doi.org/10.1073/pnas.1906921116>
- (4) Dickey, A. S., **Sanchez, D. N.**, Arreola, M., Sampat, K. R., Fan, W., Arbez, N., Akimov, S., Van Kanegan, M. J., Ohnishi, K., Gilmore-Hall, S. K., Flores, A. L., Nguyen, J. M., Lomas, N., Hsu, C. L., Lo, D. C., Ross, C. A., Masliah, E., Evans, R. M., & La Spada, A. R. (2017). PPAR δ activation by bexarotene promotes neuroprotection by restoring bioenergetic and quality control homeostasis. *Science translational medicine*, 9(419), eaal2332. <https://doi.org/10.1126/scitranslmed.aal2332>

PRESENTATIONS

Sanchez, Dafne N., (2017, May). *How Colonialism Shaped the HIV/AIDS Epidemic in South Africa*, Poster session presented at the annual meeting of the Horizons of Global Health Research Symposium, UCSD, San Diego, CA.

Sanchez, Dafne N., (2011, August). *Fibroblast Growth Factor Signaling from the Spleen Contributes to Early Postnatal Hepatic Progenitor Cell Maintenance*, Oral presentation at the Samuels Family Latino and African American High School Internship Program (LA-HIP) Symposium, Los Angeles, CA

PROJECTS

05/2019-08/2019 Girls Invest, San Diego State University, San Diego, CA, USA

SKILLS

Languages – English (Native), Spanish (Native), German (A1)

IT Skills – STATA, R, GraphPad Prism, ODK, QGIS, LaTeX

Core Competencies – Statistical modelling, qualitative/quantitative data analysis, data management, scientific writing

REFERENCES

Esther Bastiaannet, MD/PhD

Assistant Professor, Epidemiology, Biostatistics and Prevention Institute, Division of Chronic Disease Epidemiology, University of Zurich

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