

BIOGRAPHICAL SKETCH

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NAME: Dube, Karine Marie

eRA COMMONS USER NAME (credential, e.g., agency login): KARINE_DUBE

POSITION TITLE: Assistant Professor

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	END DATE MM/YYYY	FIELD OF STUDY
University of North Carolina, Chapel Hill, NC	BA	05/2003	MPhil
Oxford University, Oxford	OTH	07/2005	
University of North Carolina, UNC Gillings School of Global Public Health, Chapel Hill, NC	DRPH	05/2016	

A. Personal Statement

I am a senior socio-behavioral scientist and experienced research program manager who integrates biomedical, social sciences, ethics and patient engagement around HIV cure-related research in the United States and South Africa. I have close to 20 years of experience in infectious disease-related work, including the socio-behavioral sciences and ethics of HIV cure-related research, HIV prevention, HIV treatment, Ebola, malaria and HSV-2. I was the Multi-Principal Investigator of an R01 NIMH grant investigating psychosocial experiences of people with HIV who interrupt HIV treatment during HIV cure research (with Dr. John Saucedo, UCSF). I am also the Principal Investigator/Project Director of an R21 NIMH grant integrating participant-centered outcomes and socio-behavioral assessments in ongoing clinical trials in the AIDS Clinical Trials Group (ACTG). I consult for several groups on socio-behavioral sciences related to HIV cure research, notably the amfAR Institute for HIV Cure Research, the BEAT-HIV Collaboratory (Wistar Institute), the City of Hope/California Institute of Regenerative Medicine (CIRM), and the Ragon Institute of MGH, MIT and Harvard. I served as co-investigator on the Social and Ethical Aspects of Curing HIV Infection (searchHIV) working group at UNC Chapel Hill since 2014. I also served as the Research Program Manager for the Collaboratory of AIDS Researchers for Eradication (CARE) at UNC-Chapel Hill from 2013 – 2015. I have led willingness to participate research in HIV cure in the United States. I am the co-founder and co-leader of the CUREiculum (<https://www.treatmentactiongroup.org/cure/cureiculum-2-0/>), a collaborative program aimed at making HIV cure science accessible to the community and the HIV research field. In 2016, I managed the UNC-CH - ClinicalRM - ELWA Ebola consortium. I led a vaccine cohort development program, two HIV-1C prospective incidence studies and a clinical research site capacity development effort in Maputo, Beira and Chókwè, Mozambique with the United States Military HIV Research Program (MHRP)/Walter Reed Army Institute of Research/Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc. (HJF) and FHI 360.

- Dubé K**, Kanazawa J, Taylor J, Dee L, Jones N, Roebuck C, Sylla L, Louella M, Kosmyrna J, Kelly D, Clanton O, Palm D, Campbell DM, Onaiwu MG, Patel H, Ndukwe S, Henley L, Johnson MO, Saberi P, Brown B, Saucedo JA, Sugarman J. Ethics of HIV cure research: an unfinished agenda. *BMC Med Ethics*. 2021 Jun 30;22(1):83. PubMed Central PMCID: PMC8243312.
- Dubé K**, Eskaf S, Evans D, Saucedo J, Saberi P, Brown B, Averitt D, Martel K, Meija M, Campbell D, Barr L, Kanazawa J, Perry K, Patel H, Luter S, Poteat T, Auerbach JD, Wohl DA. The Dose Response: Perceptions of People Living with HIV in the United States on Alternatives to Oral Daily Antiretroviral Therapy. *AIDS Res Hum Retroviruses*. 2020 Apr;36(4):324-348. PubMed Central PMCID: PMC7185332.
- Dubé K**, Auerbach JD, Stirratt MJ, Gaist P. Applying the Behavioural and Social Sciences Research (BSSR) Functional Framework to HIV Cure Research. *J Int AIDS Soc*. 2019 Oct;22(10):e25404. PubMed Central PMCID: PMC6820877.

4. **Dubé K**, Barr L, Palm D, Brown B, Taylor J. Putting participants at the centre of HIV cure research. *Lancet HIV*. 2019 Mar;6(3):e147-e149. PubMed PMID: 30772419.

B. Positions, Scientific Appointments and Honors

Positions and Scientific Appointments

- 2022 - Adjunct Assistant Professor, Health Policy and Management, UNC-CH Gillings School of Global Public Health, Chapel Hill, NC
- 2020 - Visiting Assistant Professor, Center for AIDS Prevention Studies (CAPS), University of California, San Francisco, San Francisco, CA, San Francisco, CA
- 2017 - Assistant Professor, UNC-CH Gillings School of Global Public Health, Chapel Hill, NC
- 2016 - 2019 Clinical Project Manager, UNC-CH - ClinicalRM - ELWA Ebola Research Consortium , Chapel Hill, NC
- 2016 - 2017 Adjunct Assistant Professor, Public Health Leadership Program, UNC-CH Gillings School of Global Public Health, Chapel Hill, NC
- 2014 - Co-Chair/Co-Founder, The CUREiculum (<https://www.treatmentactiongroup.org/cure/cureiculum-2-0/>)
- 2013 - 2015 Research Program Manager (Administrative Core Director), Collaboratory of AIDS Researchers for Eradication (CARE), Institute for Global Health and Infectious Diseases (IGHID), University of North Carolina at Chapel Hill, Chapel Hill, NC
- 2012 - 2013 Clinical Project Manager, United States Military HIV Research Program (MHRP), Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc. (HJF), Walter Reed Army Institute of Research (WRAIR), Bethesda, MD
- 2008 - 2012 Senior Research Associate, FHI 360, Durham , NC
- 2007 - 2008 Research and Program Analyst, amfAR, The Foundation for AIDS Research, Washington, DC
- 2005 - 2007 Senior Research Assistant, FHI 360, Durham, NC

Honors

- 2015 Arthur B. Holzworth Endowed Scholarship in Health Leadership, UNC Gillings School of Global Public Health
- 2003 Rhodes Scholarship, Oxford University
- 1999 Morehead Scholarship, University of North Carolina at Chapel Hill

C. Contribution to Science

1. **Understanding psychosocial experiences of HIV cure trial participants:** Using mixed methods, I implement robust socio-behavioral and participant/patient-centered outcomes research as part of ongoing HIV cure trials in the United States and South Africa. The main goals of this research are to enhance informed consent processes and characterize participants' experiences and perceptions while undergoing short-term and long-term analytical treatment interruptions (ATIs) and HIV cure trials with limited clinical benefits for the participants. This research helps mitigate harm during HIV cure trials, and is also developing new participant/patient-centered outcomes measures to help advance the field of HIV cure research.
 - a. Diepstra KL, Barr L, Palm D, Hogg E, Mollan KR, Henley L, Stover AM, Simoni JM, Sugarman J, Brown B, Saucedo JA, Deeks S, Fox L, Gandhi RT, Smith D, Li JZ, **Dubé K**. Participant Perspectives and Experiences Entering an Intensively Monitored Antiretroviral Pause: Results from the AIDS Clinical Trials Group A5345 Biomarker Study. *AIDS Res Hum Retroviruses*. 2021 Jun;37(6):489-501. PubMed Central PMCID: PMC8213012.
 - b. Perry KE, **Dubé K**, Concha-Garcia S, Patel H, Kaytes A, Taylor J, Javadi SS, Mathur K, Lo M, Brown B, Saucedo JA, Wohl DA, Little S, Hendrickx S, Rawlings SA, Smith DM, Gianella S. "My Death Will Not [Be] in Vain": Testimonials from Last Gift Rapid Research Autopsy Study Participants Living with HIV at the End of Life. *AIDS Res Hum Retroviruses*. 2020 Dec;36(12):1071-1082. PubMed Central PMCID: PMC7703253.

- c. **Dubé K**, Hosey L, Starr K, Barr L, Evans D, Hoffman E, Campbell DM, Simoni J, Sugarman J, Saucedo J, Brown B, Diepstra KL, Godfrey C, Kuritzkes DR, Wohl DA, Gandhi R, Scully E. Participant Perspectives in an HIV Cure-Related Trial Conducted Exclusively in Women in the United States: Results from AIDS Clinical Trials Group 5366. *AIDS Res Hum Retroviruses*. 2020 Apr;36(4):268-282. PubMed Central PMCID: PMC7185351.
 - d. **Dubé K**, Barr L, Palm D, Brown B, Taylor J. Putting Participants at the Centre of HIV Cure Research. *Lancet HIV*. 2019 Mar;6(3):e147-e149. PubMed PMID: 30772419.
2. **Leading socio-behavioral and empirical ethics research for HIV science at the end-of-life:** I am leading cutting-edge socio-behavioral research and research ethics for a novel end-of-life translational research model. The Last Gift study at UCSD enrolls people living with HIV with a prognosis of 6 months or less to live, as well as their loved ones/family members, at the University of California, San Diego. This research contributed to a new model to understand HIV reservoir in people living with HIV pre- and post-mortem, and to better characterization of HIV reservoirs throughout their entire body, as well as development of socio-behavioral instruments to better understand the experiences of people living with HIV at the end of life.
 - a. Kanazawa J, Gianella S, Concha-Garcia S, Taylor J, Kaytes A, Christensen C, Patel H, Ndukwe S, Rawlings S, Hendrickx S, Little S, Brown B, Smith D, **Dubé K**. Ethical and Practical Considerations for Interventional HIV Cure-Related Research at the End-of-Life: A Qualitative Study with Key Stakeholders in the United States. *PLoS One*. 2021;16(7):e0254148. PubMed Central PMCID: PMC8284787.
 - b. Perry KE, **Dubé K**, Concha-Garcia S, Patel H, Kaytes A, Taylor J, Javadi SS, Mathur K, Lo M, Brown B, Saucedo JA, Wohl DA, Little S, Hendrickx S, Rawlings SA, Smith DM, Gianella S. "My Death Will Not [Be] in Vain": Testimonials from Last Gift Rapid Research Autopsy Study Participants Living with HIV at the End of Life. *AIDS Res Hum Retroviruses*. 2020 Dec;36(12):1071-1082. PubMed Central PMCID: PMC7703253.
 - c. **Dubé K**, Patel H, Concha-Garcia S, Perry KE, Mathur K, Javadi SS, Taylor J, Kaytes A, Brown B, Saucedo JA, Little S, Hendrickx S, Rawlings SA, Smith DM, Gianella S. Perceptions of Next-of-Kin/Loved Ones About Last Gift Rapid Research Autopsy Study Enrolling People with HIV/AIDS at the End of Life: A Qualitative Interview Study. *AIDS Res Hum Retroviruses*. 2020 Dec;36(12):1033-1046. PubMed Central PMCID: PMC7703245.
 - d. **Dubé K**, Gianella S, Concha-Garcia S, Little SJ, Kaytes A, Taylor J, Mathur K, Javadi S, Nathan A, Patel H, Luter S, Philpott-Jones S, Brown B, Smith D. Ethical Considerations for HIV Cure-Related Research at the End of Life. *BMC Med Ethics*. 2018 Oct 20;19(1):83. PubMed Central PMCID: PMC6196016.
 3. **Reducing disparities and understanding community perceptions on HIV cure research:** Using mixed methods, I have led research aimed at reducing disparities in access and representation related to HIV cure research in the United States. The goal of this research is to increase engagement of racial, ethnic, sexual and gender minority populations in research towards finding an HIV cure. This research helps understand critical aspect to increase meaningful engagement in HIV cure research.
 - a. **Dubé K**, Kanazawa J, Campbell C, Boone CA, Maragh-Bass AC, Campbell DM, Agosto-Rosario M, Stockman JK, Diallo DD, Poteat T, Johnson M, Saberi P, Saucedo JA. Considerations for Increasing Racial, Ethnic, Gender, and Sexual Diversity in HIV Cure-Related Research with Analytical Treatment Interruptions: A Qualitative Inquiry. *AIDS Res Hum Retroviruses*. 2022 Jan;38(1):50-63. PubMed PMID: 33947268.
 - b. Poteat T, Aqil A, Corbett D, Evans D, **Dubé K**. "I would really want to know that they had my back": Transgender Women's Perceptions of HIV Cure-Related Research in the United States. *PLoS One*. 2020;15(12):e0244490. PubMed Central PMCID: PMC7774946.
 - c. **Dubé K**, Simoni J, Louella M, Sylla L, Mohamed ZH, Patel H, Luter S, Collier AC. Acceptability of Cell and Gene Therapy for Curing HIV Infection Among People Living with HIV in the Northwestern United States: A Qualitative Study. *AIDS Res Hum Retroviruses*. 2019 Jul;35(7):649-659. PubMed Central PMCID: PMC6602097.

- d. **Dubé K**, Evans D, Sylla L, Taylor J, Weiner BJ, Skinner A, Thirumurthy H, Tucker JD, Rennie S, Greene SB. Willingness to Participate and Take Risks in HIV Cure Research: Survey Results from 400 People Living with HIV in the US. *J Virus Erad.* 2017 Jan 1;3(1):40-50.e21. PubMed Central PMCID: PMC5337420.
4. **Advancing empirical ethics of HIV cure research:** I have led empirical research ethics to investigate ground-breaking areas of HIV cure research, including partner protection measures during analytical treatment interruptions, combination HIV cure trials, cell and gene therapy towards an HIV cure, and HIV cure research at the end-of-life (both observational and intervention). With MPI Dr. John Saucedo (UCSF), I am now implementing consensus-building techniques to help resolve some of the most pressing ethical challenges in HIV cure research.
- a. **Dubé K**, Kanazawa J, Dee L, Taylor J, Saucedo JA, Gianella S, Smith D, Deeks SG, Peluso MJ. Considerations for Designing and Implementing Combination HIV Cure Trials: Findings from a Qualitative In-Depth Interview Study in the United States. *AIDS Res Ther.* 2021 Oct 18;18(1):75. PubMed Central PMCID: PMC8522863.
- b. **Dubé K**, Kanazawa J, Dee L, Taylor J, Campbell DM, Brown B, Johnson MO, Saberi P, Saucedo JA, Sugarman J, Peluso MJ. Ethical and Practical Considerations for Mitigating Risks to Sexual Partners during Analytical Treatment Interruptions in HIV Cure-Related Research. *HIV Res Clin Pract.* 2021 Feb;22(1):14-30. PubMed Central PMCID: PMC8272285.
- c. **Dubé K**, Dee L, Evans D, Sylla L, Taylor J, Brown B, Miller V, Corneli A, Skinner A, Greene SB, Tucker JD, Rennie S. Perceptions of Equipoise, Risk-Benefit Ratios, and "Otherwise Healthy Volunteers" in the Context of Early-Phase HIV Cure Research in the United States: A Qualitative Inquiry. *J Empir Res Hum Res Ethics.* 2018 Feb;13(1):3-17. PubMed Central PMCID: PMC5768449.
- d. **Dubé K**, Sylla L, Dee L, Taylor J, Evans D, Bruton CD, Gilberston A, Gralinski L, Brown B, Skinner A, Weiner BJ, Greene SB, Corneli A, Adimora AA, Tucker JD, Rennie S. Research on HIV cure: Mapping the Ethics Landscape. *PLoS Med.* 2017 Dec;14(12):e1002470. PubMed Central PMCID: PMC5722280.
5. **Leading pox-protein prime-boost HIV-1C cohort development program in Mozambique and Site Identification and Development Initiative (SIDI), Mozambique:** This research led to the determination of HIV incidence in populations at high risk for HIV acquisition in Mozambique and willingness to participate in HIV prevention trials. Responsibilities included site development and capacity building, program management and elaboration of implementation plans, development of critical study documents such as protocols, study manuals, informed consent forms and case report forms, writing of manuscripts and scientific journal articles and reports, development of site and study-specific training curriculums and management of communications with internal and external partners. Funded by U.S. Department of Defense (DoD), U.S. NIH Division of AIDS and USAID.
- a. Feldblum PJ, Enosse S, **Dubé K**, Arnaldo P, Muluana C, Banze R, Nhanala A, Cunaca J, Chen PL, Robb ML, Thompson R. HIV Prevalence and Incidence in a Cohort of Women at Higher Risk for HIV Acquisition in Chókwe, Southern Mozambique. *PLoS One.* 2014;9(5):e97547. PubMed Central PMCID: PMC4026130.
- b. Meque I, **Dubé K**, Feldblum PJ, Clements AC, Zango A, Cumbe F, Chen PL, Ferro JJ, van de Wijgert JH. Prevalence, Incidence and Determinants of Herpes Simplex Virus Type 2 Infection among HIV-Seronegative Women at High-Risk of HIV Infection: A Prospective Study in Beira, Mozambique. *PLoS One.* 2014;9(2):e89705. PubMed Central PMCID: PMC3933639.
- c. **Dubé K**, Zango A, van de Wijgert J, Meque I, Ferro JJ, Cumbe F, Chen PL, Ma S, Jolles E, Fumo A, Robb ML, Feldblum PJ. HIV Incidence in a Cohort of Women at Higher Risk in Beira, Mozambique: Prospective Study 2009-2012. *PLoS One.* 2014;9(1):e84979. PubMed Central PMCID: PMC3903474.
- d. Meque I, **Dubé K**, Bierhuizen L, Zango A, Veldhuijzen N, Cumbe F, Feldblum PJ, van de Wijgert J. Willingness to Participate in Future HIV Prevention Trials in Beira, Mozambique. *Afr J AIDS Res.* 2014;13(4):393-8. PubMed PMID: 25555105.

Complete List of Published Work in MyBibliography:

<https://www.ncbi.nlm.nih.gov/myncbi/karine.dube.1/bibliography/public/>