

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 social scientist and experienced research program manager who integrates biomedical, social sciences, ethics and patient engagement around HIV cure-related research in the United States. I have over 15 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 Principal Investigator/Project Director of an R21 NIMH grant integrating participant-centered outcomes and socio-behavioral assessments in AIDS Clinical Trials Group (ACTG) studies. I consult for several groups on socio-behavioral sciences related to HIV cure research, notably the UCSF SCOPE team, 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 from 2014 – 2017. 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 co-founded and co-lead the CUREiculum (<http://www.avac.org/cureiculum>) effort, 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.

1. **Dubé K**, Eskaf S, Evans D, Saucedo JA, 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 PMID: [31608651](#); PubMed Central PMCID: [PMC7185332](#).
2. **Dubé K**, Hosey L, Starr K, Barr L, Evans D, Hoffman E, Campbell DM, Simoni J, Sugarman J, Saucedo JA, 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 PMID: [32160755](#); PubMed Central PMCID: [PMC7185351](#).
3. **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 PMID: [31665568](#); 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 and Honors

Positions and Employment

2005 - 2007	Senior Research Assistant, FHI 360, Durham, NC
2007 - 2008	Research and Program Analyst, amfAR, The Foundation for AIDS Research, Washington, DC
2008 - 2012	Senior Research Associate, FHI 360, Durham, 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
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
2014 -	Co-Chair/Co-Founder, The CUREiculum
2016 -	Clinical Project Manager, UNC-CH - ClinicalRM - ELWA Ebola Research Consortium, Chapel Hill, NC
2016 - 2017	Adjunct Assistant Professor, UNC-CH Gillings School of Global Public Health, Chapel Hill, NC
2017 -	Research Assistant Professor, 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

Other Experience and Professional Memberships

Honors

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

C. Contribution to Science

1. **HIV Cure-Related Research Socio-Behavioral Scientist:** I lead socio-behavioral research using mixed-methods to examine participant/patient-centered outcomes and willingness to participate in HIV cure-related research in the United States. These findings contribute to better understanding participant perspectives and experiences during HIV cure-related research, particularly those involving analytical treatment interruptions. Data also help determine patient preferences for various HIV cure research strategies under investigations. I also conducted research around the acceptability of analytical treatment interruptions in the United States which showed great heterogeneity in acceptance between stakeholder types. These studies are advancing the field of socio-behavioral sciences and ethics in HIV cure-related research.
 - a. **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 PMID: [30990052](#); PubMed Central PMCID: [PMC6602097](#).
 - b. **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 PMID: [28984168](#); PubMed Central PMCID: [PMC5768449](#).
 - c. Sylla L, Evans D, Taylor J, Gilbertson A, Palm D, Auerbach JD, **Dubé K**. If We Build It, Will They Come? Perceptions of HIV Cure-Related Research by People Living with HIV in Four U.S. Cities: A Qualitative Focus Group Study. *AIDS Res Hum Retroviruses*. 2018 Jan;34(1):56-66. PubMed PMID: [29198134](#); PubMed Central PMCID: [PMC5771509](#).

- 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 PMID: [29220353](#); PubMed Central PMCID: [PMC5722280](#).
2. **Socio-Behavioral Researcher/Bioethicist for HIV-Related Research at the End of Life:** I have led cutting-edge socio-behavioral research and research ethics for a novel end-of-life translational research model. The Last Gift study 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. **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 Jun 25;PubMed PMID: [32449624](#).
 - 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 Jun 24;PubMed PMID: [32449625](#).
 - c. **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 PMID: [30342507](#); PubMed Central PMCID: [PMC6196016](#).
 - d. Prakash K, Gianella S, **Dubé K**, Taylor J, Lee G, Smith DM. Willingness to participate in HIV research at the end of life (EOL). *PLoS One.* 2018;13(7):e0199670. PubMed PMID: [30036365](#); PubMed Central PMCID: [PMC6056048](#).
3. **Co-Investigator/Clinical Program Manager, Pox-Protein Prime-Boost HIV-1C Cohort Development Program in Mozambique; 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. **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 PMID: [24475035](#); PubMed Central PMCID: [PMC3903474](#).
 - 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 PMID: [24586973](#); PubMed Central PMCID: [PMC3933639](#).
 - c. 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 Chókwè, southern Mozambique. *PLoS One.* 2014;9(5):e97547. PubMed PMID: [24842811](#); PubMed Central PMCID: [PMC4026130](#).
 - 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](#).

4. **Research Support; Consortium Manager, UNC-CH – ClinicalRM – ELWA Ebola Research Consortium in Liberia:** This research led to characterization of Ebola persistence in survivors, and to increased understanding of psychosocial aspects of Ebola survivorship such as stigma. Responsibilities included management of implementing Ebola survivor cohort. Funded by Bill and Melinda Gates Foundation and National Institutes of Health (NIH).
 - a. Tozay S, Fischer WA, Wohl DA, Kilpatrick K, Zou F, Reeves E, Pewu K, DeMarco J, Loftis AJ, King K, Grant D, Schieffelin J, Gorvego G, Johnson H, Conneh T, Williams G, Nelson JAE, Hoover D, McMillian D, Merenbloom C, Hawks D, **Dubé K**, Brown J. Long-Term Complications of Ebola Virus Disease: Prevalence and Predictors of Major Symptoms and the Role of Inflammation. Clin Infect Dis. 2019 Nov 6;PubMed PMID: [31693114](#).
 - b. Overholt L, Wohl DA, Fischer WA 2nd, Westreich D, Tozay S, Reeves E, Pewu K, Adjasso D, Hoover D, Merenbloom C, Johnson H, Williams G, Conneh T, Diggs J, Buller A, McMillian D, Hawks D, **Dubé K**, Brown J. Stigma and Ebola survivorship in Liberia: Results from a longitudinal cohort study. PLoS One. 2018;13(11):e0206595. PubMed PMID: [30485311](#); PubMed Central PMCID: [PMC6261413](#).
 - c. Fischer WA, Brown J, Wohl DA, Loftis AJ, Tozay S, Reeves E, Pewu K, Gorvego G, Quellie S, Cunningham CK, Merenbloom C, Napravnik S, **Dubé K**, Adjasso D, Jones E, Bonarwolo K, Hoover D. Ebola Virus Ribonucleic Acid Detection in Semen More Than Two Years After Resolution of Acute Ebola Virus Infection. Open Forum Infect Dis. 2017 Summer;4(3):ofx155. PubMed PMID: [29670927](#); PubMed Central PMCID: [PMC5897835](#).
 - d. Loftis AJ, Quellie S, Chason K, Sumo E, Toukolon M, Otieno Y, Ellerbrok H, Hobbs MM, Hoover D, **Dubé K**, Wohl DA, Fischer WA 2nd. Validation of the Cepheid GeneXpert for Detecting Ebola Virus in Semen. J Infect Dis. 2017 Feb 1;215(3):344-350. PubMed PMID: [27932614](#); PubMed Central PMCID: [PMC5965086](#).

D. Additional Information: Research Support and/or Scholastic Performance

Ongoing Research Support

P01 AI131385, National Institutes of Health

Dube, Karine Marie (PI)

08/01/17-07/31/22

Revealing Reservoirs during Rebound (R3) and Last Gift Study (University of California, San Diego)

Role: Co-Investigator

109301, amfAR Institute for HIV Cure Research

Dube, Karine Marie (PI)

01/06/19-12/31/21

Combinatorial Therapy with [CONFIDENTIAL]: A Pilot Study Aimed at Inducing an HIV Remission, UCSF/amfAR Institute for HIV Cure Research.

Role: Co-Investigator

UM1AI126620, BEAT-HIV Collaboratory

Dube, Karine Marie (PI)

07/01/19-06/30/21

Social sciences for BEAT-HIV Collaboratory, including PEG-INF clinical trial, in collaboration with Wistar Institute and BEAT-HIV Collaboratory

Role: Co-Investigator

R21MH118120, National Institute of Mental Health

Dube, Karine Marie (PI)

04/01/19-03/31/21

Pilot Integration of Participant-Centered Outcomes in HIV Cure Research in the United States: Implications for Ethical Conduct (for AIDS Clinical Trials Group (ACTG) clinical trials)

Role: PI

R21MH122280, National Institute of Mental Health

Dube, Karine Marie (PI)

05/01/20-01/31/22

Perceptions of Risks and Benefits of Participating in HIV Cure-Related Research among Diverse Youth and Young Adults Living with HIV in the United States

Role: CPI

R21MH118120-S1, National Institute of Mental Health

Dube, Karine Marie (PI)

05/05/20-03/31/21

Ethics Administrative Supplement to R21-MH118120: Advancing Empirical Research Ethics for HIV Cure Research

Role: PI

Completed Research Support

U19 AI096113 , National Institutes of Health (NIH)

Margolis, David M. (PI)

11/18/13-06/01/16

Program Manager, Administrative Core Director

Role: KP

CLIN-11223, City of Hope/California Institute of Regenerative Medicine (CIRM)

Dube, Karine Marie (PI)

10/01/19-02/29/20

A Phase I Study of Chimeric Antigen Receptor (CMV-HIV CAR) T Cells in People Living with HIV Role: Socio-Behavioral Scientist

Role: Co-Investigator

R01 AI123535, National Institute of Allergies and Infectious Diseases (NIAID)

Dube, Karine Marie (PI)

07/01/17-04/30/19

Clinical Sequelae and Urogenital Viral Dynamics in Survivors of Ebola Virus Disease in Liberia

Role: KP

Gilead Sciences, Inc., Gilead Sciences

Dube, Karine Marie (PI)

03/31/17-12/31/17

Assuring Successful Community Participation in HIV Cure Research

Role: CPI

R01A108366, National Institutes of Health (NIH)

Dube, Karine Marie (PI)

02/02/17-09/14/17

Social and Ethical Implications of HIV Cure Research (searchIV)

Role: Co-Investigator

U19 AI096109, National Institutes of Allergies and Infectious Diseases (NIAID), Martin Delaney Collaboratory National Community Advisory Board, University of California, San Francisco (UCSF)

Dube, Karine Marie (PI)

01/01/16-06/30/16

Focus Group Implementation for Social Sciences on HIV Cure Research at 4 HIV Cure Clinical Research Sites (Seattle, CA; Los Angeles, CA; San Diego, CA; Chapel Hill/Durham, NC)

Role: PI