

Curriculum Vitae

Date Prepared: December 4, 2014
Name: Kurt Derek Christensen
Office Address: Division of Genetics, Department of Medicine
Brigham and Women's Hospital and Harvard Medical School
EC Alumnae Hall, Suite 301
41 Avenue Louis Pasteur
Boston, MA 02115
Work Phone: (617) 264-5883
Work Email: kchristensen@genetics.med.harvard.edu
Work FAX: (617) 264-8795

Education

1998	AB, cum laude	Biochemical Sciences	Harvard College
2006	MPH	Health Behavior/Health Education Interdepartmental Concentration in Public Health Genetics (advisor: Victor J. Strecher, PhD)	University of Michigan School of Public Health
2012	PhD	Health Behavior/Health Education (advisor & dissertation chair: J. Scott Roberts, PhD)	University of Michigan

Postdoctoral Training

08/12-	Postdoctoral Research Fellow	Department of Medicine, Division of Genetics (Lab PI: Robert C. Green, MD, MPH)	Brigham and Women's Hospital and Harvard Medical School
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Other Professional Positions

2005-2006	Student Assistant		Center for Public Health and Community Genomics
2005-2007	Intern / Fellow		Genetic Alliance

Committee Service

Local

2008-2009	Doctoral Student Health Research Symposium, planning committee	University of Michigan School of Public Health
2009-2010	“The Ethical, Legal and Social Implications of Personal Genomics” interdepartmental seminar series, planning committee and student committee	University of Michigan
2009-2010	Doctoral Student Curriculum Committee, Department of Health Behavior and Health Education, doctoral student representative	University of Michigan School of Public Health
2012-2013	Translational Genomics Clinical Research in Progress Meetings, participant and presenter	Brigham and Women’s Hospital

National

2012-	Clinical Sequencing Exploratory Research (CSER) Consortium	Ethical, Legal, and Social Issues (ELSI) Working Group
2012-		Outcomes & Measures Working Group
2014-	Electronic Medical Records and Genomics (eMERGE) Network	Survey Development subcommittee

Professional Societies

2008-	American Public Health Association (APHA)	
2008-	Public Health Education and Health Promotion Section	
2009-	Public Health Genomics Forum	
2008-	Alzheimer’s Association International Society to Advance Alzheimer Research and Treatment (ISTAART)	
2009-2012	Gerontological Society of America (GSA)	
2010-2012	Michigan Public Health Association (MPHA)	
2012-	American Society of Human Genetics (ASHG)	

Editorial Activities

Ad hoc Reviewer

Alzheimer’s and Dementia

Alzheimer’s Disease and Associated Disorders

BMJ Open
Genetics in Medicine
Genomics, Society and Policy
Health Behavior and Education
Journal of the American Medical Association
Personalized Medicine
Southern Medical Journal

Honors and Prizes

1998	Sydney Matz Memorial Prize, for Contribution to Student Life	Eliot House, Harvard College
2004-2005	Tuition Assistance Scholarship	University of Michigan School of Public Health
2005	Department of Health Behavior and Health Education Poster Prize	University of Michigan School of Public Health
2005	Public Health Genetics Interdepartmental Concentration Summer Internship Grant	University of Michigan School of Public Health
2006-2012	Rackham Merit Fellowship	University of Michigan School of Public Health
2008	ISR Award to attend the Interuniversity Consortium for Political and Social Research (ICPSR) Summer Program	University of Michigan School of Public Health
2008	Department of Health Behavior and Health Education fellowship	University of Michigan School of Public Health
2009 & 2011	Rackham Travel Grant	University of Michigan
2011	Department of Health Behavior and Health Education Student/Faculty Writing Award	University of Michigan School of Public Health

Report of Funded and Unfunded Projects

Funding Information

Past

- 2005-2007 Sperm Banking Experience Study
Children's Leukemia Foundation of Michigan / Rackham Graduate School
PI (\$2,500 / \$1,500)
The goal of this focus group study was to document the experiences of men who attempted semen cryopreservation through the Fertility Counseling and Gamete Cryopreservation Program (FCGCP) at the University of Michigan Comprehensive Cancer Center after a cancer diagnosis. My role was to secure funding and to execute all aspects of the study.
- 2007-2009 Returning Individual Genetic Test Results to Research Participants in the Genetics, Environment and Melanoma (GEM) Study
University of Michigan Clinical/Translational Resource Allocation Committee Program / University of Michigan Ethics in Public Life Program (J. S. Roberts, PI)
Pre-doctoral Trainee and Study Coordinator
The goal of this pilot project was to develop and evaluate a protocol for returning genetic research results to participants of a large, international, population-based study on melanoma susceptibility. My role was to help plan the study, to execute all aspects of the study, and to publish findings.
- 2008-2011 Communicating Diagnostic and Risk Information in Mild Cognitive Impairment Alzheimer's Association: Investigator-Initiated Grant, RG-07-58189 (J.S. Roberts, PI)
Pre-doctoral Trainee and Study Coordinator
The goal of this project was to develop and evaluate a risk communication protocol for patients with mild cognitive impairment and their family members.
- 2009-2011 The Impact of Family History and Genomics Based Risk Profiling on Primary Care NIH/NIDDK U34 DK084542-01 (J. S. Roberts, PI)
Pre-doctoral Trainee and Study Coordinator
The goal of this planning grant involving multiple research institutions was to prepare a protocol that would examine the efficacy of a tailored, web-based skills training program teaching primary care providers how to interpret and communicate genomic risk information; and explore psychological and behavioral effects of providing patients with personalized genomic risk information for five common diseases. My role was to organize the patient outcomes working group and to coordinate the University of Michigan School of Public Health site.

- 2010-2013 Impact of Direct-to-Consumer Genetic Testing
National Human Genome Research Institute, R01-HG005092
(R. C. Green and J. S. Roberts, Joint PIs)
Co-Investigator
The goal of this project was to utilize on-line surveys to assess the impact of DTC testing on consumers who utilize the services of 23andMe and Pathway Genomics. My role was to assist in survey development and data analysis.
- 2011 The Impact of Learning about APOE-Coronary Artery Disease Associations during Genetic Risk Assessment for Alzheimer's Disease: A Qualitative Analysis
Rackham Graduate Student Research Grant
PI (\$3,000)
The goal of this study was to use recordings of disclosure sessions from the third REVEAL Study trial to develop a conceptual model that describes psychological responses to learning pleiotropic risk information during a genetic risk assessment for Alzheimer's disease. My role was to design and execute all aspects of the analyses.
- 2012-2014 Incidental Finding Preferences in Whole Genome Sequencing: A Randomized Trial
NIH/NHGRI F32-HG006993
PI (\$103,744)
The goal of this study is to understand how different types of incidental findings from genomic sequencing may affect the interactions between primary care providers and their patients. My role as PI has been to design and execute all aspects of the study with mentorship of my laboratory PI, Dr. Robert Green.
- 2006-2014 The REVEAL Study: Genetic Risk Evaluation and Education for Alzheimer's Disease (REVEAL I, II, III, IV)
NIH/NHGRI R01-HG002213 (R. C. Green, PI)
Study Coordinator and Co-investigator
The goal of this project was to assess the impact of disclosing genetic risk information about Alzheimer's disease. My role has ranged from site coordinator at the University of Michigan site (2006-2009) to co-investigator as post-doctoral trainee at Brigham and Women's Hospital, wherein I assist on data management, data analysis, and presentation of findings.

Current

- 2011-2015 Integration of Whole Genome Sequencing into Clinical Medicine (The MedSeq Project)
 NIH/NHGRI U01-HG006500 (R. C. Green, PI)
 Co-Investigator
 This project is explores the application of genomic sequence data to the care of patients within an active clinical setting. We are randomizing primary care and cardiology patients to receive clinical information derived from whole genome sequencing versus current standard of care. My role is to assist on all aspects of the study, particularly around the development, administration, and analysis of physician and patient outcome measures, as well as and cost-effectiveness analyses.
- 2011-2015 Returning Research Results in Children: Parental Preferences and Expert Oversight
 NIH/NHGRI, R01-HG006615 (I. A. Holm, PI)
 Co-Investigator
 The goal of this project is to examine the opinions and choices of parents whose children are enrolled in a research biobank with regard to return of research results. My role is to assist on design, analysis, and production of publications.
- 2013-2018 Genome Sequence-Based Screening for Childhood Risk and Newborn Illness
 (The BabySeq Project)
 NIH/NICHD U19-HD077671 (R. C. Green, PI)
 Co-Investigator
 The goal of this project is to develop a process for analyzing and reporting the results of genome sequencing in the newborn period. My role is to assist on all aspects of the study, particularly around the development, administration, and analysis of both physician and patient outcome measures.

Report of Local Teaching and Training

Teaching of Students in Courses

University of Michigan:

2006	Critical Moments in Health Behavior and Health Education MPH students	U of Michigan School of Public Health Single guest-lecture
2007	Health Care Decision Making: Theory and Research Methods Master’s and PhD students	University of Michigan School of Nursing Facilitated single 3-hr discussion
2008 & 2010	Genetics, Health Behavior, & Health Education MPH and PhD students	University of Michigan School of Public Health Guest-lecture (x 3)

2008	Doctoral Seminar in Health Behavior and Health Education. PhD students	University of Michigan School of Public Health Facilitated single 3-hr discussion
2009 & 2011	Psychosocial Factors in Health-Related Behavior MPH students	University of Michigan School of Public Health Head graduate student instructor: 20hrs/week for 4 months including grading, advising and some lecturing

Formally Supervised Trainees

2007-2008	Thesis committee member for Kathryn Hock, MS, CGC, Genetic Counselor, Wayne State University School of Medicine. Thesis title: Direct-to-consumer genetic testing: Assessing knowledge and attitudes	University of Michigan
2008-2009	Thesis committee member for Jessica Long, MS, CGC, Genetic Counselor, Abramson Cancer Center. Thesis title: Assessing potential delivery models for genetic services: Psychological outcome after genetic risk assessment for late-onset Alzheimer’s disease	University of Michigan
2010-2011	Thesis committee member for Barbara Hamlington, MS, CGC, Genetic Counselor, Rocky Mountain Cancer Centers. Thesis title: Pretest predictors of exercise and diet changes following genetic risk assessment for late-onset Alzheimer’s disease	University of Michigan
2010-2011	Thesis committee member for Rebecca Frysinger Clark, CGC, MS, Genetic Counselor, Casey Eye Institute, Oregon Health & Science University. Thesis title: To test or not to test: An assessment of emerging adults' attitudes and decision making about genetic testing	University of Michigan

Report of Education of Patients and Service to the Community

Educational Material for Patients and the Lay Community

Patent Educational Material

2005-2006	Preparing for Your Future	Co-manager	Patient education CD-ROM funded by the Lance Armstrong Foundation to prepare adolescent cancer patients for semen cryopreservation.
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12. Vassy JL, Lautenbach DM, McLaughlin HM, Kong SW, **Christensen KD**, Krier JB, Kohane IS, Feuerman LZ, Blumenthal-Barby JS, Roberts JS, Lehmann LS, Ho CY, MacRae CA, Seidman CE, Murray MF, McGuire AL, Rehm HL, Green RC. The MedSeq Project: A randomized trial of integrating whole genome sequencing into clinical medicine. *Trials*. 2014;15:85.
13. Gray SW, Martins Y, Feuerman LZ, Bernhardt BA, Biesecker BB, **Christensen KD**, Joffe S, Rini C, Veenstra D, McGuire,AL, for the CSER Consortium Outcomes and Measures Working Group. Social and behavioral research in genomic sequencing - approaches from the Clinical Sequencing Exploratory Research Consortium Outcomes and Measures Working Group. *Genet Med*. 2014;16:727-35.
14. **Christensen KD**, Kalia SS, Green RC. Incidental findings from genetic testing. *UpToDate*. 2014.
15. Besser AG, Sanderson SC, Roberts JS, Chen CA, **Christensen KD**, Lautenbach DM, Cupples LA, Green RC. Factors affecting recall of different types of personal genetic information about Alzheimer's disease risk: the REVEAL Study. *Patient Educ Couns*. In press.
16. Vassy JL, **Christensen KD**, Slashinski MJ, Lautenbach DM, Robinson JO, Blumenthal-Barby J, Feuerman LZ, Lehman LS, Murray MF, Green RC, McGuire AL. 'Someday it will be the norm': physician perspectives on the utility of genome sequencing for patient care. *Per Med*. In press.
17. Green RC, **Christensen KD**, Cupples LA, Relkin NR, Whitehouse PJ, Royal CDM, Obisesan TO, Cook-Deegan R, Linnenbringer E, Butson MB, Fasaye G, Levinson E, Roberts JS. A randomized non-inferiority trial of condensed protocols for genetic risk disclosure of Alzheimer's disease. *Alzheimer's Dement*. In press.
18. McLaughlin HM, Ceyhan-Birsoy O, **Christensen KD**, Kohane IS, Krier J, Lane WJ, Lautenbach DM, Lebo MS, MacRae C, Metterville D, Murray M, Seidman C, Vassy JL, Green RC, Rehm HL. A systematic approach to the return of medically relevant findings from whole genome sequencing. *BMC Med Genet*. In press.
19. Kahn CM, Rini C, Bernhardt BA, Roberts JS, **Christensen KD**, Evans JP, Brothers KB, Roche MI, Berg JS, Henderson GE. How can psychological science inform questions about clinical genomic sequencing? *J Genet Couns*. In press.
20. Christensen KD, Roberts JS, Zikmund-Fisher BJ, Kardia SLR, McBride CM, Linnenbringer E, Green RC. Associations between self-referral and health behavior responses to genetic risk information. *Genome Med*. In press.

Research publications without named authorship

1. Roberts JS, Chen CA, Uhlmann WR, Green RC *. Effectiveness of a condensed protocol for disclosing APOE genotype and providing risk education for Alzheimer disease. *Genet Med*. 2012;14:742-8 (member of the investigative team cited in the acknowledgments of the manuscript assisting in the acquisition of data and critiquing manuscript drafts).
2. Kong SW, Lee I-H, Leshchiner I, Krier J, Kraft P, Rehm HL, Green RC, Kohane IS, MacRae CA, and the MedSeq Project *. Summarizing polygenic risks for complex diseases in a clinical whole-genome report. *Genet Med*. In Press (member of the investigative team cited in the acknowledgments of the manuscript assisting in designing the trial).

3. Carere DA, Couper MP, Crawford SD, Kalia SS, Duggan JR, Morena TA, Mountain JL, Roberts JS, Green RC, for the PGen Study Group *. Design, methods, and participant characteristics of the Impact of Personal Genomics (PGen) Study, a prospective cohort study of direct-to-consumer personal genomic testing customers. *Genome Med.* In Press (member of the investigative team cited in the acknowledgments of the manuscript assisting in survey development and data analysis).

Thesis

Christensen KD. Comparing self-referred and systematically recruited participants in genetic susceptibility testing research: implications for uptake and responses to results [dissertation]. Ann Arbor (MI): University of Michigan; 2012.

Selected Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

1. **Christensen KD**, Alfano E, Dodd A, Foster D, Caligiuri R, Wise L, Terry SF. Information needs of traditionally underserved clients and care providers in Washington, DC. Selected for poster presentation at the American Society for Human Genetics Annual Meeting; Oct 2005; Salt Lake City, UT.
2. **Christensen KD**, Roberts JS, Royal CDM, et al. Incorporating ethnicity into genetic risk assessment for Alzheimer's disease: The REVEAL Study experience. *Alzheimers Dement.* 2007;3(3, Supplement 1):S96-S96. Selected for poster presentation at the International Conference on Alzheimer's Disease; Jul 2007; Washington, DC.
3. **Christensen K**, Roberts JS, Royal CDM, et al. The impact of an education and risk evaluation protocol on perceived benefits and risks of genetic susceptibility testing for Alzheimer's disease. *Alzheimers Dement.* 2008;4(4, Supplement 1):T664-T665. Poster presented at the International Conference on Alzheimer's Disease; July 2007; Washington, DC. Selected for poster presentation at the International Conference on Alzheimer's Disease and related Disorders; 2008; Chicago, IL.
4. **Christensen KD**, Roberts JS, Uhlmann WR., Whitehouse PJ, Obisesan T, Bhatt DL, Green RC. The impact of pleiotropic information about cardiovascular disease risk on health behavior changes among people seeking genetic susceptibility testing for Alzheimer's disease: initial results from a randomized trial. Selected for poster presentation at the GAPPNet meeting; Oct 2009; Ann Arbor, MI.
5. **Christensen KD**, Jayaratne TE, Roberts JS, Kardias SLR, Petty EM. Black and white Americans' understandings of genetics. Selected for oral presentation at the annual meeting of the American Public Health Association; Nov 2009, Philadelphia, PA.
6. **Christensen KD**, Roberts JS, Uhlmann WR, et al. How does pleiotropic information affect health behavior changes? Initial results from the REVEAL Study, a randomized trial of genetic testing for Alzheimer's disease risk. Selected for oral presentation at the annual meeting of the American College of Medical Genetics; Mar 2010; Albuquerque, NM.
7. **Christensen KD**, Roberts JS, Uhlmann WR, et al. Perceived personal utility of Alzheimer's disease genetic susceptibility testing and its influence on post-test responses: findings from the REVEAL Study. Selected for oral presentation at the Communications, Medicine and Ethics Conference; Jun 2010; Boston, MA.
8. **Christensen KD**, Roberts JS, Uhlmann WR, et al. The psychological impact of learning APOE ε4 increases the risk for cardiovascular disease during genetic risk assessment for Alzheimer's disease: findings from the REVEAL Study. Selected for oral presentation at the International Conference on Alzheimer's Disease; Jul 2010; Honolulu, HI.

9. **Christensen KD**, Roberts JS, Uhlmann WR, et al. Telephone and in-person disclosure of genetic test results: 6-week recall, comprehension, and distress among participants in the REVEAL Study. Selected for poster presentation at the Genome Sciences Institute Educational Symposium; Oct 2010; Boston, MA.
10. **Christensen KD**, Roberts JS, Uhlmann WR, et al. Changes in physical activity but not diet following disclosure of pleiotropic information during genetic risk assessment for Alzheimer's disease: findings from the REVEAL Study. Selected for poster presentation at the annual meeting of the American Society of Human Genetics; Nov 2010; Washington, DC.
11. **Christensen KD**, Roberts JS, Uhlmann WR, Whitehouse PJ, Obisesan T, Cupples LA, Green RC. Telephone and in-person disclosure of genetic test results: 6-week recall, comprehension, and distress among participants in the REVEAL Study. Selected for poster presentation at the annual meeting of the American Public Health Association; Nov 2010; Denver, CO.
12. **Christensen K**, Roberts JS, Uhlmann WR, et al. Changes to control perceptions following disclosure of APOE-coronary artery disease associations during genetic susceptibility testing for Alzheimer's disease: Findings from the REVEAL Study. Selected for oral presentation at the American Society of Human Genetics Annual Meeting; Nov 2012; San Francisco, CA.
13. **Christensen KD**, Roberts JS, Zikmund-Fisher BJ, Kardia SLR, McBride CM, Green RC. Self-Referral to genetic susceptibility testing for Alzheimer's disease: implications for uptake and responses to results. Selected for poster presentation at the ACMG Annual Clinical Genetics Meeting; Mar 2013; Phoenix, AZ.
14. **Christensen KD**, Roberts JS, Karlawish JH, et al. The psychological impact of genetic risk information on individuals with mild cognitive impairment at imminent risk for conversion to Alzheimer's disease dementia: findings from the REVEAL Study. Selected for oral presentation at the Alzheimer's Association International Conference; Jul 2013; Boston, MA.
15. **Christensen KD**, Roberts JS, Karlawish JH, et al. Psychological responses to genetic risk disclosure among individuals at imminent risk for Alzheimer's disease and their study partners: findings from the REVEAL Study. Selected for poster presentation at the annual meeting of the American Society of Human Genetics; Nov 2013; Boston, MA.
16. **Christensen KD**, Roberts JS, Kalia SS, Mountain J, Moreno T, Green RC. Short-term psychological benefits to consumer genetic testing: findings from the PGen Study. Selected for oral presentation at the American Public Health Association Annual Meeting; Nov 2013; Boston, MA.
17. **Christensen KD**, Green RC, Vassy JL, Murray MF, McGuire AL. "Somebody translate this information for me:" Physician perceptions of their preparedness to disclose full genome sequencing results. Selected for poster presentation at the American College of Medical Genetics Annual Meeting; Mar 2014; Nashville, TN.
18. **Christensen KD**, Roberts JS, Waterston LB, Duggan J, Alerhand S, Cupples LA, Whitehouse PJ, Obisesan TO, Green RC. What is the long-term emotional and behavioral impact of genetic risk assessment for Alzheimer's disease? Findings from the REVEAL Study. Selected for oral presentation at the Alzheimer's Association International Conference; Jul 2014; Copenhagen.
19. **Christensen KD**, Lupo PJ, Robinson JO, Blumenthal-Barby J, Vassy JL, Lehmann LS, Ubel PA, Roberts JS, Green RC, McGuire AL. Patient perceptions about the utility of family history review during whole genome sequencing: initial findings from the MedSeq Study. Selected for oral presentation at the American Society of Human Genetics Annual Meeting; Oct 2014; San Diego, CA.