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C.V. Updated September 2013

1. Personal Data. Place of birth: Honolulu, Hawaii

2. Education.

Ph.D. Educational Leadership and Policy Studies - Social Foundations
College of Education, University of Washington, June 2000

M.A. in Medical Ethics, University of Washington, December 1995

A.B. in Philosophy, Occidental College, Los Angeles, California
June 1989, cum laude honors

Year abroad program at University of East Anglia, Norwich, England, 1987-1988

3. Postgraduate Training:

None.

4. Faculty Positions Held:

Associate Professor, Department of Bioethics and Humanities (departmental name change 2008),
University of Washington School of Medicine, 2007-present

Adjunct Associate Professor, Department of Environmental and Occupational Health Sciences,
University of Washington School of Public Health, 2008-present.

Affiliate Faculty, Department of Biology and Wildlife, College of Natural Sciences and Mathematics,
University of Alaska, Fairbanks, 2007-2011

Core Faculty, Institute for Public Health Genetics, University of Washington School of Public Health,
2002-present

Assistant Professor, Department of Medical History and Ethics, University of Washington School of
Medicine, 2001-2007

Acting Assistant Professor, Department of Medical History and Ethics, University of
Washington School of Medicine, 2000-2001

Adjunct Faculty, Department of Philosophy, Seattle University, 2000-2001

Visiting Professor, Fairhaven College, Western Washington University, 1997-1998

5. Professional Organizations:

Member, American Association for the Advancement of Science, 2011-present

Member, American Association of Medical Colleges, 1996-2008

Member, American Society for Bioethics and Humanities, 1996-present

Member, Feminist Approaches to Bioethics, 1995-Present

Member, Society for General Internal Medicine, 2001-2004, 2006-2008

Member, Society for Teachers of Family Medicine, 2001-2004, 2006-2008

Member, Society for Health and Human Values, 1994-1997

6. Teaching Responsibilities:

New Graduate Courses Developed and Taught:

GS 610b, "Creating an Individual Development Plan and E-Portfolio," seminar for graduate
students and post-doctoral trainees, Summer 2013

BH 497, "Inquiry-Based Science Communication," seminar for Environmental Health and Public
Health Genetics graduate students, Spring 2010

¹ Note: Between 2001-2009 Dr. Edwards published under the name Fryer-Edwards.

MHE 597/HSERV 590, "Applied Research Ethics," required ethics seminar for Clinical Research Fellows, Summer 2006, Summer 2007
MHE 497, "Community-Based Participatory Research: A Model for Genetics Research with Native American Communities?" seminar for the Center for Genomics and Healthcare Equality, Summer 2006
MHE 515/PHG525, "Public Commentary on Ethical Issues in Public Health Genetics," Institute for Public Health Genetics, Spring 2003-alternating years
PHG 580, Course Director, "Interactive Seminar in Public Health Genetics," required seminar series for MPH in Public Health Genetics, Fall2003-Spring 2005.
MHE 506, "Professional Seminar II," required course for MA Bioethics program, Spring 2004, Spring 2005
MHE 536, "Research Ethics," required course for MA Bioethics program, Winter 2004
MHE 548, "Introduction to Clinical Ethics," required course for MA in Bioethics program, Fall 2002, Fall 2004
MHE 550, "Current Topics in Clinical Ethics: Policy Issues," required course for MA in Bioethics program, Spring 2003, Spring 2004
MHE 497, "Technology, Power, and Healing in Medicine," University of Washington School of Medicine, Winter 2002

SOM Courses:

HUBIO 548, "Cases in Clinical Ethics," required ethics course for MS2 students, 2008-present. Course co-chair.
HUBIO 665, "Introduction to Clinical Medicine: Ethics seminars," Washington, Wyoming, Alaska, Montana, Idaho (WWAMI) sites of University of Washington School of Medicine, 2002-present. Workshop lead.
HUBIO 665, "Introduction to Clinical Medicine," University of Washington School of Medicine, Academic years 1999-2005. Small group tutor.
HUBIO 559, "Musculoskeletal, Hematology, and Ethics" University of Washington School of Medicine, Winter 1997, Winter 1998. Small group problem-based learning tutor.

Residency Education Activities:

Family Medicine Residency, "Writing and Reflection for Residents," 3-hour workshop, Psychosocial Rounds, Winters 1999-2004
General Internal Medicine Residents, "Burnout in Residency: Inevitable rite of passage?" 90-minute workshop, Behavioral Medicine Rounds, Winter/Spring 2002-present
Medicine Residents, "Informed Consent," Noon Conference, 2004-present
Ophthalmology Residents, "Ethics of Pharmaceutical Reps," Winter 2001, 2002

Continuing Education Activities:

Course Co-director, Pallitalk, Advanced communication skills for palliative care clinicians, Aspen, CO, October 2013
Course Consultant, IntensiveTalk, Communication skills teaching for critical care and palliative care clinicians, Pittsburgh, November 2012
Course Co-director, OncotalkTeach, Communication skills teaching for oncologists, Aspen, CO, 2006-2011
Course Co-director, Advanced Communication Skills. Georgetown University Hospital, Washington DC, October 2007
Course Co-director, Oncotalk, Advanced communication skills for oncologists, Aspen, CO, 2001-2006
Course Co-director, Understanding the Human Genome: Ethical Challenges for Public Health Policy, Continuing Education Conference, Department of Occupational and Environmental Health, University of Washington, Seattle, December 2003.

Educational Programs and Committees:

Faculty Advisor, Certificate for Public Scholarship, UW Simpson Center for the Humanities, 2012-present
Member, Interdisciplinary Studies Committee, UW Graduate School, 2012-present
Advisor, Doctoral Program for Institute of Public Health Genetics, 2011-present

Chair, International Research Ethics Education Programs, 2007-present
Member, Cultural Competency Theme Committee, UW School of Medicine, 2006-2010
Chair, Ethics Theme Committee, UW School of Medicine, 2005-2010
Director, Biomedical Research Integrity Series, 2005-2008
Co-Chair Professionalism Working Group, Colleges UW School of Medicine, 2003-present
Member, Faculty Development Working Group, University of Washington School of Medicine,
Curriculum Review Committee, December 2000-March 2001
Member, Professional and Clinical Skills Working Group, Curriculum Review Committee,
University of Washington School of Medicine, January-June 2000

7. Editorial Responsibilities:

Associate Editor, BMC Medical Research Methodology, 2011-2012
Reviewer, Science, 2010-present
Reviewer, Genetics in Medicine, 2010-present
Reviewer, JAMA, 2007-present
Reviewer, American Society for Bioethics and Humanities Annual Meeting, 2007-present
Reviewer, Medical Education, 2005-present
Reviewer, Academic Medicine, 2004-present
Reviewer, Social Science and Medicine, 2004-present
Reviewer, Annals of Family Medicine, 2004-present
Reviewer, Society of General Internal Medicine Annual Meeting, 2004
American Society for Bioethics and Humanities Exchange, Dissertation Abstract Editor, 2001-2004

8. Special National and International Responsibilities:

Chair, Ethics Team, Genetic Alliance Biotrust, 2012-present. Leading an interdisciplinary team of international experts in biobanking governance to advise and direct policy and practice choices for all biobanking and research registry enterprises (national and international) within the consumer-driven non-profit, Genetic Alliance (\$4.5M budget).

Advisor, Emerging Leaders in Science and Society (ELISS), AAAS Initiative, 2012-present. Advising ELISS founder and leaders in launching their national leadership fellows initiative at five major universities (including UW), consulting on program planning, fundraising, and strategic planning.

Member, External Advisory Board, Center for Excellence in Environmental Health, Arizona State University, 2012-present. Invited member to review the community engagement activities within the NIEHS-funded CEEH program at Arizona State.

Council Member, Genetic Alliance, 2011-present. On senior leadership team with ongoing responsibility to restructure and lead the consumer-driven non-profit organization in response to current funding, research, and partnership priorities.

Chair, Ethics Advisory Team, Sage Bionetworks, 2011-2013. Leading a team of ethics and policy experts to advise this international non-profit organization on innovative technology aimed at facilitating data sharing and data contribution directly from participants. Provide guidance on IRB applications, data access policies, and consent approaches (\$6M budget).

Co-Chair, Biobank Working Group, Clinical Research Ethics Key Function Committee, CTSA Consortium (NCR/NCATS), 2010-2012. Directed a senior advisory board of 12 members from leading institutions and coordinated monthly calls for our network of 55 members across every CTSA with the aim of developing and sharing best practices.

Member, Institute of Medicine Committee, Armed Forces Institute of Pathology Repository Review, 2011-2012. Invited to review and develop recommendations for the oldest and most expansive biospecimen repository in the nation (90 million specimens), resulting in a publication and best practice recommendations for archived legacy collections.

Co-Director, UW Team, Medical Education Research Consortium, American Medical Association, 2006. Collaborated with senior leaders from UW as part of a national consortium to develop innovative and effective medical education research approaches.

Member, TIES (Trust, Integrity, and Ethics in Science) Consortium, 2004-present. Steering Committee for National Meeting with Industry Leaders, October 2005-2007. Invited

member of leadership group from three other academic medical centers, investigating trustworthy research practices through a series of invited meetings and publications.

Co-Chair, ASBH Task Force on Bioethics and Humanities Education in Medical School Curricula, 2004-2008. Along with Dr. Clarence Braddock, led a Delphi process with medical schools across the country to identify essential elements and teaching practices for ethics and humanities education in undergraduate medical training.

International Responsibilities:

Chair, External Review Committee, Centre for Biomedical Research, University of Victoria, Canada. As chair, convened a group of interdisciplinary experts to conduct on-site review of a translational science program in British Columbia.

Working Group Member, "Citizen's Health through public-private Initiatives: Public health, Market and Ethical perspectives," EU Initiative (COST: Council on Science and Technology), 2013-present. Invited member to develop and disseminate innovations in governance and practices that transform citizen roles in health and research (21 countries).

Steering Committee Member, ELSI 2.0: An international collaborative, 2011-present. Invited member of international leaders designing and promoting a transformative approach to collaboration in ethical, legal, and social implications research in genetics research and practice (9 countries represented on leadership group).

Founding Member, Making Connections: Biobanking governance policies and practices, 2008-present. Invited to international think tank on biobank governance, participating in annual meetings in Oxford, Singapore, Montreal, Rotterdam, and securing funding for, and leading the meeting in Banff, 2010.

9. Special Local Responsibilities:

UW School of Medicine Active:

Co-Chair, Ethics and Professionalism Working Group, Curriculum Renewal; Member, Steering Committee, 2012-present

Member, Continuous Professionalism Improvement Committee, November 2006-present, Director, Professionalism Consult Service 2011-present

Co-Chair, Data Access Policy Committee, Clinical Data Repository Oversight Committee, UW Medicine, 2010-present

Biomedical Research Integrity Series Advisory Committee
April 2002-2004, 2009-present

UW School of Medicine Closed:

Chair, Data Safety Monitoring Board, Balancing Hope and Truth-telling for Patients with Cancer or COPD. J. Randall Curtis, PI. R01 funded through NINR.

Member, Student Progress Committee, University of Washington School of Medicine
September 2002-2011

Member, Graduate Education and Research Committee, 2007-2010

Member, Standing Committee on Issues of Women Faculty, September 2003-2010

Member, UW Task Force on Physician Ethics and Integrity in the Workplace, October 2005-2006

Clinical Ethics Education Advisory Committee, Department of Medical History and Ethics,
December 2000-2005

Member, Committee on Interprofessional Ethics, University of Washington
September 2002-2004

University-wide:

Associate Dean, University of Washington Graduate School, October 2013-present

Acting Associate Dean, University of Washington Graduate School, 2012-2013

Conciliation Officer, Ombudsman Office, University of Washington, 2010-present

Director, Community Outreach and Ethics Core, Center for Ecogenetics and Environmental Health, University of Washington School of Public Health, 2006-present

Co-director, Science Studies Network, Simpson Center for the Humanities, 2007-2009, Steering Committee, 2012-present

Co-director, Critical Medical Humanities: Cross-disciplinary Research Cluster, Simpson Center for the Humanities, July 2004-2009

Member, President's Advisory Committee on Women, October 2003-2005

ELSI Core Member, Center for Ecogenetics and Environmental Health, April 2002-2006

Puget Sound Region:

Board Member, Co-Chair Program Committee, Northwest Association for Biomedical Research (NWABR), 2006-present
Affiliate, Alliance for Reducing Cancer Northwest, April 2004-2008
Advisor, Consumer Health Information Advisory Group, National Network of Libraries of Medicine, Pacific Northwest Region, December 2002-2005
Member, Washington State Genetic Advisory Committee August 2002-2008
DSMB Member, Phase II randomized double-blind placebo-controlled dose-escalation study on the effects of garlic on hyperlipidemia induced by HAART in HIV-positive individuals, Leanna J. Standish ND, Ph.D. Primary Investigator, Bastyr University, 2001-2003

10. Awards and Honors

Sustainable Path, Trailblazer Award, 2013
Washington State LASER Science Champion Award, 2012
Genetic Alliance Innovator Award, 2011
UW Medicine Professional Service Award, 2009

11. Research Funding:

ACTIVE

ONC (Reiter) 4/1/11- 3/31/14 5-10%
Health Share Montana: State-wide community data repository \$1,750,000 (direct)
The goal of this project is to develop a state-wide research portal for comparative effectiveness community based research, in collaboration with the HealthShare Montana Health Information Exchange. Dr. Edwards is a co-investigator with the UW team and provides ethics consultation.

David Eaton, PI 4/01/11-3/31/16 10%
NIH/NIEHS 2 P30 ES07033 \$120,000 (Annual Core direct)
Center for Ecogenetics and Environmental Health
Community Engagement and Ethics Core: The major goal of this core is to explore and provide education/outreach regarding gene-environment research and community engaged research support for environmental health research projects at the Center. Dr. Edwards is Core Director.

Wylie Burke, PI 5/1/2011-4/30/2016 5-20%
Source: NHGRI Total Costs: 881,172 (direct)
Center for Genomics and Healthcare Equality: Center for Excellence in ELSI Research
Dr. Edwards serves as a co-investigator on the project and founded the Ethics of Partnership Core.

UL1 RR 025014-01 (Disis) 6/1/12-5/31/16 15%
NCRR \$6,513,229 (Yr 1 Direct cost)
Institute for Translational Health Sciences (ITHS, a CTSA)
Dr. Edwards is co-director of the Regulatory Support and Bioethics Core and provides leadership on ethics education within the ITHS and the CTSA consortium nationally.

CONCLUDED

Life Sciences Discovery Fund (Porter) 4/1/2011 – 3/31/2013 5%
Consortium Biospecimen Program \$4,995,711 (Total Award)
The aim of this program is to develop a comprehensive biological specimen collection and distribution system to facilitate cancer research across Washington with the goal of more effective cancer therapies and improved tests for early diagnosis and prediction of treatment responses. Role: Chair of the Ethics Advisory Group.

Boyer/Burke (Dual PIs) 12/01/2010 – 11/30/2013 10%
 NHGRI \$500,000 (Annual Direct)
 Ethics of dissemination: Communicating with participants about genetic research
 The proposed project will seek to answer the question of how we communicate genetic and genomic research results in the setting of an on-going study based on a partnership between the Center for Alaska Native Health Research (CANHR) at the University of Alaska, Fairbanks and the Yukon-Kuskokwim Health Corporation (YKHC). Role: Co-Investigator, through June 2012.

Anthony Back, PI 7/1/2006-6/30/2011 15%
 Source: NCI Total Costs: \$1,495,000
 Training Oncology Faculty to Teach Communication Skills
 The OncoTalk Faculty Development project will train faculty to teach communication skills to Medical Oncology Fellows in inpatient and outpatient settings. Role: co-investigator.

R25 TW 007075-01 (Kuszler) 9/12/07 – 6/30/11 10%
 NIH \$193,643 (direct)
 International Biomedical Research Ethics Fellowship
 This training grant provides for fellows from Indonesia to participate in a formal educational curriculum composed of foundational core courses focused on biomedical research ethics complemented by related elective courses.

Kelly Edwards, PI 7/01/05-6/30/09 5%
 Source: Greenwall Foundation Annual Costs: \$25,000
 Testing Justice: Framing the Normative Issues of Genetic Medicine for the Underserved
 In this project, we are working with the NHGRI-funded CEER investigators to identify cases that will inform a revised framework of justice, which will in turn, inform emerging genetic issues.

Mary Hebert, PI 12/1/2006-3/30/09 10%
 Source: NIH/NICHD Total Costs:
 Obstetrics and Pharmacology Research Unit
 The OPRU conducts pharmacodynamics and pharmacokinetics studies with pregnant women to determine safety and efficacy of commonly used medications during pregnancy. Dr. Fryer-Edwards serves as an ethics consultant for the project, advising and researching ethical issues that arise relating to the research.

Kelly Fryer-Edwards, PI 10/01/04 - 9/30/08 30%
 Source: CDC SIP-04-22 Total Costs: \$530, 193
 Feasibility Study of Physician Education for Informed Decision Making
 This is a two-phase project, first exploring educational needs and potential barriers for physicians having informed decision making discussions with patients around prostate cancer screening decisions. The second phase will design and implement an educational intervention of communication skills.

Anthony Back, PI 9/1/01-8/31/06 7%
 Source: CA92055 (NCI) Total Costs: \$1,354,691
 End of life Communication Skills for Medical Oncology Fellows
 This project will develop a structured training program in end-of-life communication skills for medical oncology fellows; implement 8 four-day courses with follow-up distance mentorship, and evaluate the impact of the program on learner knowledge, skills and attitudes. Dr. Fryer-Edwards serves as co-investigator for the project.

Rick Deyo, PI Source: RFA-RM-04-006 Multidisciplinary Clinical Research Training	9/30/04-9/29/07 Total Costs: \$	5%
This training grant prepares clinical faculty for a research career. Dr. Fryer-Edwards developed and delivered the research ethics and integrity education for the fellows in this training program.		
Judith Pauwels, PI Source: HRSA BHP 2-D22-HP-00008 Residency Training In Primary Care & Dentistry	7/1/03 - 6/30/06 Total Costs: \$329,534	5%
This grant request focuses on three areas where there is a convergence of public need and medical change: genetics, oral health, and geriatrics. Dr. Fryer-Edwards will consult on the curriculum development and participate in faculty development implantation.		
Wylie Burke, PI Source: 240-MCHB-20(1) Genetics Through a Primary Care Lens: Genetics Tools	10/1/02-8/31/04 Modification: 9/1-8/31/05 No cost extension: 5/31/06 Total Costs: \$500,000	5-35%
The major goals of this project involve the design, implementation, and evaluation of a basic genetics curriculum for primary care faculty. Dr. Fryer-Edwards served as co-director.		
Eileen VanSchaik, PI Source: 1 RA43 NR008839-01A2 Cultural Sensitivity in End-of-Life Care	09/01/03 – 02/28/06 Total Costs: \$99,997	Consultant
Dr. Fryer-Edwards serves as consultant on content and evaluation for this innovative web-based curriculum		
Kelly Fryer-Edwards, Co-PI (Burke) Source: NINDS/ NIH RO1 NS44486-01 Motivating Integrity on Research with Human Subjects	2/15/03- 12/31/04 (no-cost extension 12/31/05) Total Costs: \$303,200	25%
This project will assess the presence and importance of barriers to ethical conduct on research through information gathered in interviews and focus groups with researchers and other key informants. Dr. Fryer-Edwards serves as co-PI on the project.		
Kelly Fryer-Edwards, PI Source: Greenwall Foundation Communicating about Ethical Issues at the End-of-Life: A Guide for Clinician-Educators	5/1/03- 4/30/04 Total Costs: \$20,222	8%
This project identified teaching skills for clinician-educators teaching communication around ethical issues at the end-of-life.		
1 R01 HS 13172-01 (Robins, L.) Agency for Healthcare and Quality The Effects of Establishing Focus on Medical Encounters	8/1/02-3/31/04 Total Costs: \$1 million	20%
This project proposed an intervention to teach residents and attendings the patient-centered interviewing approach of Establishing Focus. Various patient, visit, and clinician outcomes were assessed. Dr. Fryer-Edwards served as co-investigator on the project.		
240-98-0020 (Kahn, N) Health Resources and Services Administration	10/1/01-9/30/02 Total Costs: 1.5 million	10%

Genetics in Primary Care: A Faculty Development Initiative

The major goals of this project involve the design and implementation of faculty development programs to prepare primary care faculty to teach students and residents about genetic issues relevant to primary care practice. Dr. Fryer-Edwards served as the Curriculum Specialist.

Wylie Burke, PI	5/1/01-3/31/02	15%
Source: CDC Contract No: 01IPA24505	Total Contract: \$50K	
Hereditary Hemochromatosis Website		

The major goals of this project are to develop, implement, and evaluate an information website for physician-users. Dr. Edwards served as Project Coordinator for the project.

CH Braddock, PI	7/1/97-4/30/01	25-50%
Source: Robert Wood Johnson Foundation	Total Costs: \$400,000	
Professionalism and Medical Ethics: An Integrated Curriculum		

The major goals of this project are to develop, implement, and evaluate an integrated curriculum for professionalism and medical ethics throughout the four years of medical school. Dr. Fryer-Edwards served as project coordinator.

12. Bibliography:

a. Manuscripts in Refereed Journals:

1. Robey TE, **Edwards K**, Murphy MK. "Patient and physician perspectives on radiation risk from CT scans in the emergency department." Academic Emergency Medicine. *In press*.
2. Terry SF, Shelton R, Biggers G, Baker D, **Edwards K**. The Haystack is Made of Needles. Genetic Testing and Molecular Biomarkers. 2013; 17(3).
3. Yarborough M, **Edwards K**, Esperanza P, Geller G, Sarwal A, Sharp R, Spicer P. Relationships hold the key to trustworthy and productive translational science: Recommendations for expanding community engagement in biomedical research. Clinical and Translational Science. 2013: doi: 10.1111/cts.12022.
4. Kelley M, **Edwards K**, Starks H, Fullerton SM, James R, Goering S, Holland S, Disis M, Burke W. Values in Translation: How Asking the Right Questions Can Move Translational Science Toward Greater Health Impact. Clinical and Translational Science. 2012; 5: 445–451. (PMC3561695)
5. Melvin A, Malone J, Wilfond B, **Edwards K**. Role for CTSA's in leveraging a distributed research infrastructure to engage diverse stakeholders in emergent research policy development. Clinical and Translational Science. Feb 2013;6(1):57-9.
6. Anderson N, Bragg C, Hartzler A, **Edwards K**. Participant-Centric Initiatives: Tools to Facilitate Engagement In Research. Applied and Translational Genomics. 1(1); December 2012: 25–29.
7. Kaye J, Meslin EM, Knoppers BM, Juengst ET, Deschênes M, Cambon-Thomsen A, Chalmers D, De Vries J, **Edwards K**, Hoppe N, Kent A, Adebamowo C, Marshall P, Kato K. Research priorities. ELSI 2.0 for genomics and society. Science. 2012 May 11;336(6082):673-4.
8. Kaye J, Curren L, Anderson N, **Edwards K**, Fullerton SM, Kanellopoulou N, Lund D, Macarthur DG, Mascalzoni D, Shepherd J, Taylor PL, Terry SF, Winter SF. From patients to partners: participant-centric initiatives in biomedical research. Nat Rev Genet. 2012 Apr 3.
9. Doukas DJ, McCullough LB, Wear S, Braddock C, Brody H, Carrese J, **Edwards K**, Fins JJ, Freer J, Green M, Katz J, Lederer S, Malek J, Shapiro J, Watson K. Medical education in medical

ethics and humanities as the foundation for developing medical professionalism. Academic Medicine. March 2012. 87(3):334-41.

10. Horn EJ, **Edwards K**, Terry SF. Engaging Research Participants and Building Trust. Genetic Testing and Biomarkers December 2011; 15(12): 839-840.
11. O'Doherty K, Burgess M, **Edwards K**, Gallagher R, Hawkins A, Kaye J, McAffrey V, Winickoff D. From Consent to Institutions: Designing Adaptive Governance for Genomic Biobanks. Soc Sci Med 2011. 73: 367-374.
12. Robins L, Witteborn S, Miner L, Mauksch L, **Edwards KA**, Brock D. Identifying transparency in physician communication. Patient Educ Couns 2011 Apr;83(1):73-9.
13. Back A, Trinidad SB, Hopley E, Arnold R, Baile W, **Edwards KA**. What Patients Value When Oncologists Give News of Cancer Recurrence: Commentary on Specific Moments in Audiorecorded Conversations. Oncologist. 2011;16(3):342-50. (PMC3228111)
14. Anderson NR and **Edwards K***. Building a Chain of Trust: Using Policy and Practice to Enhance Trustworthy Clinical Data Discovery and Sharing. ACM Proceedings. December 2010. Accessed at: <http://portal.acm.org/citation.cfm?id=1920323>. *Equal authorship.
15. Gaster B, **Edwards K**, Trinidad SB, Gallagher TH, Braddock CH. Patient-centered discussions about prostate cancer screening: A real-world approach. Ann Intern Med. 2010 Nov 16;153(10):661-5. (PMC3065982)
16. Meacham MC, Starks H, Burke W, **Edwards K**. Researcher perspectives on disclosure of incidental findings in genetic research. J Empir Res Hum Res Ethics. 2010 Sep;5(3):31-41. (PMC3413406)
17. Back AL, Arnold RM, Baile W, **Edwards K**, Tulsy J. When Praise is Worth Considering in Difficult Conversations. Lancet. 11 Sept 2010. 376 (9744): 866 – 867.
18. Back AL, Arnold RM, Tulsy JA, Baile WF, **Edwards K**. "Could I add something?": Teaching communication by intervening in real time during a clinical encounter. Acad Med. 2010 Jun;85(6):1048-51. (PMC3097516)
19. Vig EK, Starks H, Taylor JS, Hopley EK, **Fryer-Edwards K**. Why Don't Patients Enroll in Hospice? Can We Do Anything About It? J Gen Intern Med. 2010 Jun 10.
20. Back AL, Michaelsen K, Alexander S, Hopley E, **Edwards K**, Arnold RM. How oncology fellows discuss transitions in goals of care: a snapshot of approaches used prior to training. J Palliat Med. 2010 Apr;13(4):395-400.
21. Fullerton, SM, Yu, JH, Crouch, J, **Fryer-Edwards, K**, & Burke, W. Population description and its role in the interpretation of genetic association. Human Genetics. 2010 Feb 16.
22. Fullerton, SM, Anderson, NR, Guzauskas, G, Freeman, D, & **Fryer-Edwards K**. Meeting the governance challenges of next generation biorepository research. Science Translational Medicine, 2, 15cm3, 2010.
23. Back A, Arnold RA, Baile W, Tulsy J, **Fryer-Edwards K**. Humanism in Oncology: What makes education in communication transformative? J Cancer Education. 2009;24(2):160-2.
24. Yarborough M, **Fryer-Edwards K**, Geller G, Sharp R. Transforming the Culture of Biomedical Research from Compliance to Trustworthiness: Insights from Non-Medical Sectors. Academic Medicine. 2009 Apr;84(4):472-7.

25. Back A, Arnold RM, Baile W, Tulsy J, Barley G, Pea R, **Fryer-Edwards K**. Faculty Development to Change the Paradigm of Communication Skills Teaching in Oncology. J Clinical Oncology. 2009 Mar 1;27(7):1137-41.
26. Laberge AM, **Fryer-Edwards K**, Kyler P, Lloyd-Puryear MA, Burke W. Long-term impact of the "Genetics in Primary Care" faculty development initiative. Family Medicine. Fam Med. 2009 Apr;41(4):266-70.
27. Goering S, Holland S, **Fryer-Edwards K**. Transforming genetic research practices with marginalized communities: a case for responsive justice. Hastings Center Report. 2008 Mar-Apr; 38(2):43-53.
28. Kelley M, **Fryer-Edwards K**, Fullerton SM, Gallagher T, Wilfond B. Sharing Data and Experience: Using the CTSA "Moral Community" to Improve Research Ethics Consultation. American Journal of Bioethics 2008; 8 (3): 37.
29. Trinidad SB, **Fryer-Edwards K**, Crest A, Kyler P, Lloyd-Puryear MA, Burke W. Educational needs in genetic medicine: primary care perspectives. Community Genetics. 2008; 11(3):160-5.
30. Caulfield T, McGuire AL, Cho M, Buchanan JA, Burgess MM, Danilczyk U, Diaz CM, **Fryer-Edwards K**, Green SK, Hodosh MA, Juengst ET, Kaye J, Kedes L, Knoppers BM, Lemmens T, Meslin EM, Murphy J, Nussbaum RL, Otlowski M, Pullman D, Ray PN, Sugarman J, Timmons M. Research ethics recommendations for whole-genome research: consensus statement. PLoS Biol. 2008 Mar 25; 6(3):e73.
31. Berg C, **Fryer-Edwards K**. Ethical challenges of direct-to-consumer genetic testing. Journal of Business Ethics. 2008; 77: 17-31. Online Accessible, March 2007.
32. **Fryer-Edwards K**, Van Eaton E, Goldstein EA, Kimball HR, Veith RC, Pellegrini CA, Ramsey PG. Overcoming Institutional Challenges through Continuous Professionalism Improvement. Acad Med. 2007 Nov; 82(11):1073-8.
33. Vig EK, Starks H, Taylor JS, Hopley EK, Fryer-Edwards K. Surviving surrogate decision-making: what helps and hampers the experience of making medical decisions for others. J Gen Intern Med. 2007 Sep;22(9):1274-9.
34. Back T, Arnold R, Baile W, **Fryer-Edwards K**, Alexander S, Barley G, Gooly T, Tulsy J. Efficacy of communication skills training for giving bad news and discussing transitions to palliative care. Arch Intern Med. 2007 Mar 12;167(5):453-60.
35. Deming D, **Fryer-Edwards K**, Dudzinski D, Starks H, Culver J, Robins L, Burke W. Incorporating principles and practical wisdom in research ethics education. Acad Med. 2007 Jan;82(1):18-23.
36. **Fryer-Edwards K**, Fullerton SM. Relationships with test-tubes: where's the reciprocity? Am J Bioeth. 2006 Nov-Dec;6(6):36-8
37. Bowen DJ, Allen JD, Vu T, Johnson RE, **Fryer-Edwards K**, Hart A Jr. Theoretical foundations for interventions designed to promote informed decision making for cancer screening. Ann Behav Med. 2006 Dec;32(3):202-10.
38. Vig EK, Starks H, Taylor JS, Hopley EK, **Fryer-Edwards K**. Beyond substituted judgment: how surrogates navigate end-of-life decision-making. J Am Geriatric Society. 2006; 54: 1688-1693.
39. Goldstein EA, Maestas RR, **Fryer-Edwards K**, Wenrich MD, Oelschlager A-M, Baernstein A, Kimball HR. Professionalism in medical education: an institutional challenge. Academic Medicine. 2006; 81:871-6.

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41. **Fryer-Edwards K**, Wilkins MD, Baernstein A, Braddock CH. Counteracting ethical erosion with ward ethics. Academic Medicine. 2006;81:626-631.
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55. **Fryer-Edwards, K**. Addressing the hidden curriculum in scientific research. American Journal of Bioethics. 2002; 2(4): 58-9.
56. Robins LS, Braddock CH, **Fryer-Edwards K**. Using the American Board of Internal Medicine's "Elements of Professionalism" as a framework for ethics education and evaluation. Academic Medicine. 2002; 77:523-31.
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58. **Edwards KA**. Who cares about empathy? (Response with Mark F. Carr). Second Opinion. 2001; 7 (July): 73-82.

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b. Book chapters:

1. **Edwards K**. "What does the culture of research teach next-generation scientists?" In Fred Hafferty and Joseph O'Donnell, eds. The Hidden Curriculum and Health Professions Education. Dartmouth College Press, estimated 2013.
2. Fullerton SM and **Edwards K**, "Ethical issues in genetic epidemiology," in Austin et al. Genetic Epidemiology: Methods and Applications. CABI Press, 2013.
3. Goering S, Holland S, **Edwards K**. "Making good on the promise of genomics: Justice in translational science," In Wylie Burke, Edwards K, Goering S, Holland S, Trinidad S., eds. Achieving Justice in Genomic Translation: Re-Thinking the Pathway to Benefit. Oxford University Press, 2011.
4. Goering S, Holland S, **Edwards K**. Commentaries on the discovery phase of translational science, and the development phase, delivery phase, outcome phase, in Burke et al. Achieving Justice in Genomic Translation.
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6. **Fryer-Edwards K**, Hampson LA, Carlsten C, Burke W. "Ethical issues in ecogenetics," in David Eaton and Lucio Costa, eds. Fundamentals of Ecogenetics. Wiley Books, 2006.
7. **Fryer-Edwards K**, Pinsky LE, Robins L. "The use of portfolio assessment in professionalism," in David Stern, ed. Measuring Medical Professionalism. New York: Oxford University Press, 2006.
8. Braddock CH, **Fryer-Edwards K**. Ethics in Medicine. In D Pauw, L Burkholder, and M Migeon, eds. Internal Medicine Clerkship Guide, 2nd edition. Mosby, 2003.
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c. Published books, videos, websites, software, etc.

1. Austin MA, Beaty TH, Dotson WD, **Edwards K**, Fullerton SM, Gwinn M, Khoury MJ, McKnight B, Ottman R, Psaty BM, Schwartz SM, Stamatoyannopoulos J, Stanford JL, Thornton TA. Genetic Epidemiology: Methods and Applications. To be published by CABI, Wallingford, United Kingdom, 2013.
2. Committee on the Review of the Appropriate Use of AFIP's Tissue Repository Following Its Transfer to the Joint Pathology Center (**Edwards K**, committee member and contributing author). Future Uses of the Department of Defense Joint Pathology Center Biorepository. National Academies Press, 2012.
3. Anderson N, **Edwards K**. People Matter: The Future of Research. Peoplematterproject.org
4. Burke W, **Edwards K**, Goering S, Holland S, Trinidad S. Eds. Achieving Justice in Genomic Translation: Re-Thinking the Pathway to Benefit. Oxford University Press, 2011.
5. **Fryer-Edwards K**, Back T, Arnold RM, Baile W, Tulsy J. "Tough Talk: Helping Doctors Approach Difficult Conversations," a web-based resource for clinical faculty and physicians. <http://depts.washington.edu/toolbox/>

6. **Edwards KA**. 1998-1999. Updated 2003, 2005. Editor for "Ethics in Medicine," a web-based resource for medical students, residents, and faculty. <http://depts.washington.edu/bioethx/>

d. Other publications:

1. **Edwards KA**, Robey T. Preparing for the Unexpected-Teaching ER Ethics. Virtual Mentor. 2010; 12(6):455-458. <http://virtualmentor.ama-assn.org/2010/06/medu1-1006.html> Accessed June 2, 2010.
2. Vig E, Hopley E, Taylor J, **Fryer-Edwards K**, Starks H. Cognitive screening raises fears of identity theft. Letter to the editor. Journal of American Geriatrics Society. 2004;52(12):2147-8.2. Braddock CH, **Edwards KA**. How should physicians involve patients in medical decisions? Letter to the editor. JAMA 2000. 283 (18): 2391.
3. **Edwards KA**. Review of Medical Harm: Historical, Conceptual, and Ethical Dimensions of Iatrogenic Illness, by VA Sharpe and AI Faden. Feminist Approaches to Bioethics Newsletter. 2000; 8(2): 16.
4. **Edwards KA**. Review of The Poetry of Healing: A Doctor's Education in Empathy, Identity, and Desire, by Rafael Campo. Journal of Medical Humanities. 2000; 21 (2): 111-2.
5. **Edwards KA**. Teaching for Professional Responsibility in Medical Practice. Doctoral Dissertation. College of Education, University of Washington, 2000.
6. **Edwards KA**. The Ethical Significance of Medical Uncertainty in Provider-Patient Relationships. Master's Thesis. Department of Medical History and Ethics, University of Washington, 1995.

f. Select Published Abstracts:

1. Baile WF, **Fryer-Edwards K**, Back A, Tulsky J and Arnold R. Teaching Communication Skills to Oncology Fellows: The ABC's of Using Psychodynamic Principles. Psycho-Oncology. 2005; 14, Suppl.1: S-12.
2. Baernstein A, **Fryer-Edwards K**. The Critical Incident Report: Is it useful for enhancing professional development? Journal of General Internal Medicine. 2002; 17, Suppl. 1: 220.
3. **Edwards KA**, Kasman DL, Larson EB, Caga-anan EC. Career tumult: Internists' expectations in a changing professional environment. Journal of General Internal Medicine. 2001; 16, Suppl. 1: 192.

g. Manuscripts Under Review:

1. **Edwards K**, Lynch J, Fullerton SM, Kuwana E, Wilfond B, Hodges-Howell J, Solomon S, Kelley K. Show Me the Money: Talking About Commercial Involvement in Biobanks. Nature Reviews Genetics.
2. Back A, Trinidad S, Hopley E, **Edwards KA**. Reframing the goals of care conversation as necessary disruption: "We're in a different place". Cancer.
3. Chalmers D, Burgess M, **Edwards K**, Kaye J, Meslin E. Marking Shifts in Human Research Ethics in the Development of Biobanking. Public Health Ethics.

13. Recent Lectures and Seminars

INVITED INTERNATIONAL and NATIONAL TALKS AND SEMINARS

International:

"Making Collaboration Work," Presentation at the P3G Consortium and ELSI 2.0 Workshop, Montreal, September 2013

"Building International Networks: ELSI 2.0," Presentation at the Data Sharing Summit, Osaka, Japan (via Skype)

- "Launching the ELSI 2.0 Initiative," Workshop at the International Association for Bioethics, Rotterdam, June 2012
- "Global ELSI Strategy Development." Invited Meeting, Brocher Foundation, Geneva 2011.
- "Participant-Centric Initiatives: Tools to Facilitate Engagement In Research," New Patient-Centric Perspectives in Medical Research: Ethical and Governance Challenges. EURAC International Conference, Rome Italy, October 2011.
- "Building and Sustaining a Chain of Trust in Data Sharing," International Data Sharing Conference, Oxford September 2010.
- "Ethical Considerations for Data Use with Children," CTSA Child Health Consortium, Vancouver BC, April 2010.
- "The Need for Stewardship: Moving beyond consent to principled decision making," Governing Biobanks – What are the challenges? International Conference at St.Anne's College, Oxford UK. June 2008
- "Understanding and Overcoming Barriers to Prostate Cancer Screening Discussions," Canadian Partnership Against Cancer, Cancer Screening Conference, Toronto, March 2008.

National:

- "Ethical Issues in Biobanking," International Cancer Education, Seattle, September 2013.
- "Emerging Issues in Health Education: Patient-Centered Care and the Culture of Medicine," Grand Rounds, University of Arkansas Medical Sciences, Little Rock, May 2013
- "That's My Data! Navigating Ownership, Sharing, and Translation in the Genomic Era," Panel presentation for American Medical Informatics Association, San Francisco, March 2013
- "Using CTSA's to Leverage Change: New Investigators, New Science," Presentation at the Institute of Medicine Committee Meeting, Washington DC, December 2012
- "Henrietta Lacks' Story: Lessons for Science Practice Today," Common Book dialogues at Western Washington University, Bellingham, October 2012
- "Cultural Challenges in Clinical Data Sharing," Presentation for the Institute of Medicine Workshop on Sharing Clinical Research Data, Washington DC, October 2012.
- "Ethics of Risk Assessment and Risk Communication," National Cancer Institute, Cancer Disparities Meeting, Seattle, September 2012
- "Risk Communication and Responsive Justice," Presentation at the National Latino Cancer Summit, San Francisco, July 2012.
- "Consent and Governance: New Approaches" Panel Discussion, Sage Bionetworks Congress, April 2012
- "Trustworthy Approaches to Population-Based Research," Presentation to the Secretary's Advisory Committee on Public Health, Washington DC, April 2012.
- "Biobanks: What do we owe participants?" CTSA Clinical Research Ethics Key Function Committee Working Meeting, Washington DC, April 2012.
- "Privacy Concerns for Clinical Data Sharing Environments: Considerations for Research Use," HealthShare Montana, Stakeholder Meeting, Bozeman, Montana, August 2011
- "Can We Do Meaningful Deidentification of Medical Data?" Panel for the Usenix Health Security Conference, San Fransisco, August 2011
- "Biobank Governance: Opportunities for Building Trusted Practices," International Society for Biospecimen Research (ISBER), Washington DC, May 2011.
- "Developing a Cultural, Legal, and Behavioral Framework for Collaboration (Panel)." Institute of Medicine, Genetics Roundtable, Workshop on Precompetitive Collaborations. July 2010.
- "Consent and Stewardship: Rethinking Strategies for Sustaining Public Trust," Institute of Medicine, Genetics Roundtable, Workshop on Newborn Screening Bloodspot Research. May 2010.
- "Ethics Roundtable," Office of Biospecimens and Biorepository Research, Annual Meeting, Washington DC, March 2010.
- "Ethical Issues in Biobanking," National Undergraduate Bioethics Conference, University of Puget Sound, March 2010.
- "Translational Science: What Can and Should We Be Doing?" Center for Alaska Native Health Research, Fairbanks, February 2009.
- "Informed Decision Making in Clinical Practice," Pacific Coast Obstetrics and Gynecology Society, Victoria BC, October 2008.
- "Ethics within Translational Research," NIEHS Center Director's Meeting, Philadelphia, October 2008.
- "Using Reflective Teaching Practices in Residency Education," ACGME Annual Education Meeting, Grapevine, Texas, March 2008.

Commentary on "Informed Consent and Personal Genome Sequence Projects," CIHR Invited Workshop on Personal Genome Policy. Toronto, November 2007.

Commentary on "Professionalism and Conscientious Objection," Gold Honor Society Panel, AAMC Annual Meeting. Washington DC, November 2007.

"Communication Challenges: A realistic, evidence-based, ethical approach to decision making," Georgetown Hospital CME Course. Washington DC, October 2007.

"Ethical Challenges with Informed Decision Making," Seattle Gynecological Society (ACOG), Annual Fall Assembly, September 2007

"Ethics of results disclosure: Conceptual and empirical arguments," Center for Alaska Native Health Research Seminar, University of Alaska-Fairbanks, March 2007

"How are investigators addressing result disclosure? A pilot review of consent forms," Reporting Results of Genetic Results Workshop, Center for Integration of Research on Genetics and Ethics, Stanford University, July 2005

"Perspectives on toxicogenomics," Genetics and Environmental Regulation Workshop, Arizona State University Law School, January 2005

"Clinical ethics case analysis," Iverson Memorial Hospital, Wyoming, March 2004.

"Ecogenetic research: ethical promises and pitfalls," Arizona Clinical Research Training Program, November 2003.

"Bringing ethics into the science classroom," Summer Institute on Environmental Ethics, Bowling Green State University, July 2003.

"Cases from the field: how ethical frameworks can guide clinical decision making," Philosophy Department Symposium, Occidental College, February 2003.

"Bringing ethics into environmental health education," National Institute for Environmental Health Science, Centers for Educational Outreach Annual Meeting, July 2002.

SELECT RECENT INVITED TALKS AND SEMINARS PRESENTED LOCALLY

"Communication: Beyond Consent," Association for Clinical Research Professionals, Seattle, September 2013

"Stewardship...of what, by whom, in whose interests?," Panel for the Biological Futures Symposium, Simpson Center, May 2013

"Environmental Justice and Civic Responsibility: Case Study of the Duwamish River," Earth Dinner, University of Washington Feel Good, May 2013

"Beyond Nature vs. Nurture: Ethical Considerations for Epigenetics," Seattle Town Hall, Sustainable Path Evening, December 2012

"Emerging Issues in Biobanking: Shifting Landscapes," Webinar for Northwest Association for Biomedical Research, December 2012

"What is Science Literacy" Panel for the LASER Foundation, Seattle Town Hall, May 2012

"People Matter: Effective Strategies for Engaging Participants," Bioethics Grand Rounds, UW School of Medicine, May 2012

"Where's My DNA?" Panel for City Club, Seattle October 2010.

"Ethical Issues in Biorepositories," ITHS KL-2 Scholars Seminar, May 2010.

"Ethical and Regulatory Issues in Repository Research, with Shannon Sowards, ITHS Education Series, December 2009

"The Committee on Continuous Professionalism Improvement (CPI): Motivating Culture Change," WWAMI Retreat, June 2008

"Career Renewal," UW Medical Faculty Development Workshop, March 2008

"Issues in Clinical Ethics," UW Medicine Residency, February 2008

"Burnout and Renewal," UW Medicine Residency, November 2007

"Eureka vs. Epiphany: A Discussion of Science, Faith and Poetry" (with Richard Kenney, G.C. Waldrep, and Linda Clifton) Seattle Poetry Festival, April 2007

"Trustworthiness in the Research Enterprise," Resuscitation Outcomes Consortium. April 2007

"Dilemmas in clinical ethics," Office of Multicultural Affairs Summer Programs, July 2006

"Narrative ethics: what can we learn from film?" GeNOM Program, July 2006

"Professionalism: why now?" VA Puget Sound Health System, Ethics Rounds, May 2006

"Stem cells, cloning, and scandals: Can we control science? University of Washington Biology Club, May 2006

"In the wake of the Korean stem cell scandal: has anything changed?" University of Washington, Forum on Science, Ethics, and Policy Panel, May 2006

- "Ethics, values, and management," UW Certificate Program in Medical Management, May 2006
- "Lessons learned from others' mistakes: recent research misconduct cases," Fred Hutchinson Cancer Research Center, February 2006
- "Testing justice: framing normative issues of genomic medicine for medically underserved," UW Medical Center Medical Ethics Brown Bag, January 2006
- "Ethics and the profession of medicine," Minority Association of Pre-Health Students, Conference 2006, January 2006
- "Everyday ethics: expanding the paradigm for research integrity," Association of Clinical Research Professionals, September 2005
- "Risk and responsibility: ethical boundaries in scientific discovery (as told by Mary Shelley)," National Library of Medicine, Frankenstein: Penetrating the Secrets of Nature. April 2005