

Curriculum Vitae

Updated: April 16, 2013

NAME: Kyle Bertram Brothers, MD
ADDRESS: Office (Mailing):
231 East Chestnut Street, N-97
Louisville, Kentucky 40202
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e-mail: kyle.brothers@louisville.edu

Education:

Aug 1996 - Jun 2000 Bachelor of Science, *Magna Cum Laude*
Centre College
Major/Focus: Religion, Biochemistry and Molecular Biology
Danville, Kentucky

Aug 2000 - Jun 2004 Doctor of Medicine, *Magna Cum Laude*
University of Louisville School of Medicine
Louisville, Kentucky

Jul 2004 - Jun 2007 Pediatric Intern/Resident
Vanderbilt Children's Hospital
Nashville, Tennessee

Jul 2007 - Jun 2008 Chief Resident in Pediatrics
Vanderbilt Children's Hospital
Nashville, Tennessee

Aug 2008 - (Jun 2013) Doctor of Philosophy
Vanderbilt University Graduate Department of Religion
Major/Focus: Program in Ethics and Society
Nashville, Tennessee

Academic Appointments:

Jul 2007 - Jun 2008 Clinical Instructor
Department of Emergency Medicine
Vanderbilt University School of Medicine
Nashville, Tennessee

Jul 2008 - Jun 2012 Clinical Instructor
Department of Pediatrics
Vanderbilt University School of Medicine
Nashville, Tennessee

Jul 2008 - Jun 2012 Instructor
Center for Biomedical Ethics and Society
Vanderbilt University School of Medicine
Nashville, Tennessee

Jul 2010 - Jun 2012 Adjunct Professor
Law School
Vanderbilt University
Nashville, Tennessee

Kyle Bertram Brothers (continued)

Jul 2012 - Present Assistant Professor
Department of Pediatrics
University of Louisville School of Medicine
Louisville, Kentucky

Jul 2012 - Present Adjunct Assistant Professor
Department of Pediatrics
Vanderbilt University School of Medicine
Nashville, Tennessee

Jul 2012 - Present Affiliated Faculty Member
Institute for Bioethics, Health Policy, and Law
University of Louisville School of Medicine
Louisville, Kentucky

Oct 2012 - Present Associate
Department of Family and Geriatric Medicine
University of Louisville School of Medicine
Louisville, Kentucky

Certification and Licensure:

Oct 2008 - Present Board-Certified Pediatrician
American Board of Pediatrics
Expiration Date: Oct 2015

Jun 2007 - Present Medical License
State Medical Board of Tennessee
License Number: MD0000042526

Jun 2012 - Present Medical License
Kentucky Board of Medical Licensure
License Number: 45218

Jun 2002 - Jun 2004 Advanced Cardiac Life Support
American Heart Association

Jul 2002 - Present Basic Life Support for Healthcare Providers
American Heart Association
Expiration Date: Jun 2013
Renewed continuously, most recently in June 2011

Jun 2004 - Jun 2008 Neonatal Resuscitation Program
American Academy of Pediatrics

Jun 2004 - Present Pediatric Advanced Life Support
American Heart Association
Expiration Date: Oct 2012
Renewed continuously, most recently in June 2010

May 2012 - Present Motivational Interviewing
Training Course led by Ken Resnicow

Professional Memberships and Activities:

Kyle Bertram Brothers (continued)

Jun 2004 - Present	Fellow, American Academy of Pediatrics <i>Sections: Section on Bioethics, Provisional Section on Obesity</i>
Jun 2010 - Present	Member, American Society of Bioethics and Humanities
Jun 2010 - Present	Member, American Medical Association

Honors and Awards:

May 2000	Inductee, Phi Beta Kappa
Jun 2002	Second Place Winner, John Conley Ethics Essay Contest
Jun 2004	Awardee, Billy F. Andrews, M.D. Scholarship for Pediatrics
Jun 2004	Inductee, Alpha Omega Alpha Medical Honors Society
Jun 2006	First Place Winner, AAP Section on Bioethics Essay Contest
Apr 2011	Scholars Abstract Award, 2011 Clinical and Translational Research and Education Meeting

Committee Assignments and Administrative Services:

University (Intramural):

Jun 2004 - Jun 2008	Member, Pediatric Primary Care / Continuity Clinic Committee Vanderbilt Children's Hospital
Jul 2004 - Jul 2008	Member, Pediatric Residency Program Curriculum Committee Vanderbilt Children's Hospital
Jul 2007 - Jul 2008	Member, Hospital Pharmacy and Therapeutics Committee Vanderbilt Children's Hospital
Jul 2007 - Jul 2008	Member, Hospital Process Management and Improvement Committee Vanderbilt Children's Hospital
Jul 2008 - Jul 2012	Member, Medical Center Ethics Committee Vanderbilt University Medical Center
Jul 2008 - Dec 2008	Member, Medical Center Ethics Plan for Avian Flu Pandemic Committee Vanderbilt University Medical Center
Jul 2009 - Jul 2012	Ethics Reviewer for Study Proposals, BioVU Biobank Vanderbilt University School of Medicine
Sep 2012 - Present	Poster Judge, Research! Louisville 2012 University of Louisville

Non-University (Extramural):

Jul 2008 - Nov 2011	Member, Consent and Community Consultation Committee
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Kyle Bertram Brothers (continued)

	eMERGE (Electronic Medical Records and Genomics) Consortium
Jul 2008 - Nov 2011	Member, Return of Results Working Group eMERGE (Electronic Medical Records and Genomics) Consortium
Jul 2008 - Nov 2011	Member, Return of Results Oversight Committee eMERGE (Electronic Medical Records and Genomics) Consortium
Nov 2011 - Present	Member, Workgroup for Consent, Education, Regulation, and Consultation eMERGE-2 (Electronic Medical Records and Genomics) Consortium
Nov 2011 - Present	Member, Workgroup for Actionable Variants eMERGE-2 (Electronic Medical Records and Genomics) Consortium
Sep 2012 - Present	Member, Hospital Ethics Committee Kosair Children's Hospital

Educational Activities:

Nursing and Allied Health Students:

Jul 2010 - Jun 2012	Workshop Leader <i>Ethics and Palliative Care in Pediatric Nursing Care</i> Pediatric Nurse Residency Program Vanderbilt Children's Hospital
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Nursing and Allied Health Professionals:

Oct 2010	Workshop Leader <i>Ethics Cases in Child Life Practice</i> Department of Child Life Vanderbilt Children's Hospital
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Medical Students:

Oct 2006	Clinical Preceptor Shade Tree Clinic Vanderbilt University Medical Center
Jul 2007 - Jun 2008	Lecturer <i>Chief Resident Lecture Series</i> Third Year Medical Student Pediatrics Clerkship Vanderbilt University School of Medicine <i>Topics:</i> <i>"Pediatric Fluid Management"</i> <i>"Neonatal Hyperbilirubinemia"</i> <i>"Managing Asthma Urgencies"</i> <i>"Common Pediatric Gastrointestinal Problems"</i> <i>"Common Pediatric Respiratory Tract Problems"</i>
Jan 2008 - Jun 2008	Course Co-Director <i>Second Year Medical Student Clinical Pediatrics Elective</i> Vanderbilt University School of Medicine
Sep 2011	Panelist <i>Diverse Career Paths in Academia</i>

Kyle Bertram Brothers (continued)

Medical Scientist Training Program
Vanderbilt University School of Medicine

- Nov 2011 Lecturer
The Immortal Life of Henrietta Lacks: Race and Medical Research
American Medical Association: Medical Student Section
Meharry Medical College
- Oct 2012 Lecturer
Choose Your Own Outcome: Ethics Cases in Longitudinal Clinical Care
Longitudinal Ambulatory Rotation
University of Louisville School of Medicine
- Nov 2012 Guest Lecturer
Working with Parents and Adolescents
Introduction to Clinical Medicine 2
University of Louisville School of Medicine

Law and Graduate Students:

- Jan 2010 - Jun 2010 Teaching Assistant
Ethics in Theological Perspectives
Vanderbilt Divinity School
This course for Masters of Theological Studies and Masters of Divinity students explores a number of religious and philosophical ethical traditions, with a focus on application to religious or professional practices.
- Jan 2011 - Jun 2011 Co-Instructor
Ethics, Law, and Medicine
Vanderbilt Law School
This cross-listed interdisciplinary course explores a variety of topics and problems at the intersection of ethical, legal, and medical concerns in the modern world of health care.
- Jan 2012 - Jun 2012 Teaching Assistant
Theology and Health in a Therapeutic Culture
Vanderbilt Divinity School
This course for Masters of Theological Studies and Masters of Divinity students explores the theological and ethical implications of the cultural shift toward "therapy" as opposed to "care".
- Jan 2012 - Jun 2012 Co-Instructor
Genetics, Law, and Medicine
Vanderbilt Law School
This cross-listed interdisciplinary course explores a variety of topics and problems at the intersection of human genetics, medical practice, and the law. The course included law students, medical students, and graduate students in human genetics.
- Oct 2012 Guest Lecturer
Newborn Screening in the Digital Age
Legal and Ethical Aspects of Public Health Course
University of Louisville School of Public Health and Information Sciences
- Mar 2013 Guest Lecturer
Pediatric Ethics
Bioethics and the Law
University of Louisville Louis D. Brandeis School of Law

Residents:

Kyle Bertram Brothers (continued)

- Jul 2007 - Jun 2008 Presenter
Morning Conference Series
Pediatrics Residency Program
Vanderbilt Children's Hospital
- Jul 2008 - Jun 2012 Clinical Preceptor
Pediatric Weight Management Clinic
Vanderbilt Children's Hospital
- Jul 2008 - Jun 2010 Clinical Preceptor
Children's Hospital Pediatric Primary Care Clinic
Vanderbilt Children's Hospital
4 hours twice monthly
- Jul 2009 - Jun 2012 Lecturer
Core Curriculum Lecture Series
Pediatrics Residency Program
Vanderbilt Children's Hospital
Once annually
Topics:
"Pediatric Clinical Ethics Cases: Caring for Neurologically Devastated Children"
"Clinical Ethics Consultation: What It Is and How to Get One"
"Choose Your Own Outcome: Provider-Patient Conflict"
- Oct 2010 Lecturer
Pediatric Neurology Clinical Ethics Cases: The Role of Prognostication in Caring for Neurologically Devastated Children
Pediatric Neurology Resident Core Curriculum Lecture Series
Vanderbilt Children's Hospital
- Jul 2011 - Jun 2012 Lecturer
The Clinical Ethics of Personalized Medicine
Internal Medicine Residency Ethics and Professionalism Series
Vanderbilt University Medical Center
Lecture given once annually
- Jul 2012 - Present Clinical Preceptor
UofL Pediatrics Broadway
University of Louisville School of Medicine
8 hours weekly

Fellows:

- Jul 2011 - Jun 2012 Course Co-Director
Pediatric Critical Care Fellows Clinical Ethics Curriculum
Vanderbilt Children's Hospital
Designed 12-session curriculum, co-directed course, and led sessions.
Sessions include:
"Re-Introduction to Clinical Ethics: Beyond the Principles"
"Religious, Philosophical, and Cultural Objections to Medical Interventions"
"Decision-making for Children Dying from Non-accidental Trauma"

Physicians:

- Oct 2012 Presenter
Consent and Confidentiality of Adolescents in Primary Care
Division of General Pediatrics Scholarly Conference
University of Louisville School of Medicine

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Clinical Activities:

- Jul 2007 - Jun 2012 Attending Physician
Pediatric Emergency Department
Vanderbilt Children's Hospital
Provided urgent care 2-6 shifts per month for non-emergent patients presenting to the Pediatric Emergency Department.
- Jul 2008 - Jun 2009 Attending Physician
Children's Hospital Primary Care Clinic
Vanderbilt Children's Hospital
Provided care one half day per week as attending physician seeing primary care and acute care patients in an outpatient pediatric clinic. Care also involved supervision of pediatric residents and medical students.
- Jul 2008 - Jun 2012 Attending Physician
Pediatric Weight Management Clinic
Vanderbilt Children's Hospital
Provided care one half day per week, and later two half days per week, as an attending physician providing evaluation and treatment of children with obesity. This involved counseling patients and their parents on healthy eating and activity, motivational interviewing, and evaluation for complications of obesity. Central to this clinical activity was coordination with an interdisciplinary team, including dietitians, physical therapists, and exercise physiologists.
- Jul 2012 - Present Attending Physician
University of Louisville Pediatrics - Broadway Clinic
University of Louisville Physicians Group
Provided care two half days per week as attending physician seeing primary care and acute care patients in an outpatient pediatric clinic. Care also involved supervision of pediatric residents and medical students.

Grants and Contracts:

Past:

Title: *Vanderbilt Genome-Electronic Records Project*

PI: Dan Roden

My Role: Co-Investigator (10% effort)

Granting Agency: National Institutes of Health, National Human Genome Research Institute

Funder Grant Number: 5-U01-HG004603

UofL Office of Grants Management Number: NA

Expiration Date: Nov 2012

My participation in this multi-aim project is included under its third aim: "Assess the ethical, scientific, and societal advantages and disadvantages of the VGER model, and determine best practices for oversight, community involvement, and communication as the resource grows."

My participation has included data collection, coding of qualitative data, evaluation of quantitative data, and supervision of research assistants.

Title: *Body and Soul Seminar*

PI: **Kyle Brothers**, Dan Morrison, Trevor Bibler

My Role: Seminar Co-Leader

Granting Agency: Robert Penn Warren Center Graduate Student Led Seminar Series

UofL Office of Grants Management Number: NA

Direct Costs: \$3500

Title: *Translating Pharmacogenomic Research to the Clinic: PREDICT Focus Groups Phase 2*

PI: **Kyle Brothers**

Granting Agency: Vanderbilt Institute for Clinical and Translational Research (VICTR)

Kyle Bertram Brothers (continued)

Funder Grant Number: VR1240
UofL Office of Grants Management Number: NA
Direct Costs: \$10,000

Title: *Vanderbilt Genome-Electronic Records Project, eMERGE II*

PI: Dan Roden

My Role: Co-Investigator (10% effort)

Granting Agency: National Institutes of Health, National Human Genome Research Institute

Funder Grant Number: U01-HG006378

UofL Office of Grants Management Number: NA

Expiration Date: Nov 2012

Direct Costs: \$2,000,000 Indirect Costs: \$1,089,497

Project Goals:

1. *Specific Aim 1 (Phenotype refinement): To accelerate development and validation of algorithms for phenotype extraction from EMRs.*

2. *Specific Aim 2 (Genotype-phenotype refinement): To exploit the results of GWAS in BioVU and other datasets to identify combinations of genotypes highly predictive of disease or drug response outcomes.*

3. *Specific Aim 3 (Patient perspectives during implementation): To work within the PREDICT framework to create strategies that enable patients to exercise authentic choice over what genotypically informed advice they receive from their physicians.*

4. *Specific Aim 4 (Privacy and security): To develop new tools to maximize our ability to effectively share genomic information and ensure patient confidentiality.*

My participation has included data collection, coding of qualitative data, analysis of quantitative data, manuscript preparation, and supervision of a research team.

Pending:

Title: *Voluntariness, Feasibility, and Costs of an Opt-Out Approach to Biosample Research*

PI: Gordon Bernard

My Role: Lead Investigator (5% effort)

Granting Agency: National Institutes of Health, National Center for Advancing Translational Sciences

Funder Grant Number: U24 Mechanism

UofL Office of Grants Management Number: NA

Project Goals:

Specific Aim 1: Assess re-identification risk of using geographic information systems to enrich de-identified medical record information with community-level socio-cultural data, including neighborhood racial makeup, socio-economic status, average income, rates of home ownership and family size.

Specific Aim 2: Identify demographic, health-related and socio-cultural characteristics of individuals who opt-out of having their biosample included in BioVU.

Specific Aim 3: Assess differences in attitudes toward the BioVU biorepository that influence the decision to participate in or opt-out of BioVU in the real-world context of the notification and opt out process.

Specific Aim 4: Conduct a comprehensive cost assessment and practicality evaluation of the opt-out model.

Title: *Social Media, Teen Moms, and PPD*

PI: Cynthia Logsdon

My Role: Ethics Advisor, Data Safety and Monitoring Board Member (1% effort)

Granting Agency: National Institutes of Health, National Institute for Nursing Research

Direct Costs: \$299,467 Indirect Costs: \$150,476

Current:

Title: *Genomic Diagnosis in Children with Developmental Delay*

PI: Richard Myers

My Role: Lead Investigator, Component 3 (40% effort)

Granting Agency: National Institutes of Health, National Institute for Child Health and Human Development

Funder Grant Number: UM1 Mechanism

UofL Office of Grants Management Number: OICB130098

Direct Costs: \$5,981,992 Indirect Costs: \$8,990,104

Component 3, Specific Aim 1: Measure whether families with a child with DD/ID provided with a genetic diagnosis experience improved perceived personal control, decreased uncertainty in future care, and decreased anxiety as compared to those for whom a genetic diagnosis cannot be identified.

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Component 3, Specific Aim 2: Test in a clinical trial whether parents whose preferences regarding incidental findings are elicited prospectively experience improved perceived control, decreased anxiety, and request fewer incidental findings as compared with parents whose preferences are elicited post-hoc.

Editorial Work:

Jul 2008 - Present	Ad-hoc Reviewer, <i>American Journal of Medical Genetics</i>
Jan 2010 - Present	Ad-hoc Reviewer, <i>Cancer Epidemiology, Biomarkers, & Prevention</i>
Jan 2010 - Present	Ad-hoc Reviewer, <i>Pediatrics</i>
Jan 2010 - Present	Ad-hoc Reviewer, <i>Science</i>
Jan 2010 - Present	Ad-hoc Grant Reviewer, <i>Wellcome Trust</i>
Jan 2010 - Present	Ad-hoc Reviewer, <i>American Journal of Bioethics</i>
Dec 2012 - Present	Ad-hoc Reviewer, <i>Genome Medicine</i>
Feb 2013 - Present	Ad-hoc Reviewer, <i>BMC Medical Research Methodology</i>
Mar 2013 - Present	Ad-hoc Reviewer, <i>AJOB Primary Research</i>

Abstracts and Presentations:

Oral Presentations:

National/International Presentations:

1. Topic Symposium, Pediatric Academic Societies

Symposium/Panel Title: *Ethical Challenges in Pediatric Biobanks: Balancing Risks and Benefits*

Presentation Title: *Designing and Implementing a Large-Scale De-Identified DNA Biobank: The Vanderbilt Experience*

Role: Presenting Author

May 2009 Baltimore, Maryland

2. Pediatric Pharmacogenomics and Personalized Medicine Symposium (Invited Talk)

Presentation Title: *Pediatric Biobanking Initiatives: Ethical Considerations and Legal Requirements*

Role: Presenting Author

Apr 2010 Kansas City, Missouri

3. Tercer Simposio Internacional de Bioética (Invited Talk)

Presentation Title: *Biobanks and Research Databases: Beyond the Refrigerator*

Role: Presenting Author

Aug 2010 San Jose, Costa Rica

4. Panel Presentation, American Society of Bioethics and Humanities

Symposium/Panel Title: *Too Young to Understand the Risks? Old Enough to Reap the Results?*

Presentation Title: *Pediatric BioVU: Parent Perspectives on an Opt-Out Biobank*

Role: Presenting Author

Oct 2010 San Diego, California

5. Panel Presentation, Genomics and Public Health Conference

Symposium/Panel Title: *Genomic Testing [of] Minors: Implications for Primary Prevention*

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Presentation Title: *Peds BioVU: Including Pediatric Samples in a Non-Human Subjects Biobank*
Role: Presenting Author
Dec 2010 Bethesda, Maryland

6. Alfried Krupp Wissenschaftskolleg Greifswald (Invited Talk)
Presentation Title: *BioVU: Research Ethics in the Design of a Biorepository*
Role: Presenting Author
Jan 2011 Greifswald, Germany

7. Panel Presentation, 2011 Congress of the Ethical, Legal and Social Implications Research Program
Symposium/Panel Title: *Pediatric Biobanks: Not Just Biobanks for Little Adults*
Presentation Title: *Pediatric Biobanks: An Alternative Governance Model*
Role: Presenting Author and Organizing Presenter
Apr 2011 Chapel Hill, North Carolina

8. Panel Presentation, Pediatric Academic Societies
Symposium/Panel Title: *Ethical Controversies in Pediatric Biobanks*
Presentation Title: *Pediatric Biobanks: An Alternative Governance Model*
Role: Presenting Author
May 2011 Denver, Colorado

9. State of the Art Presentation, CTSA Consortium Child Health Oversight Committee (Invited Talk)
Presentation Title: *BioVU: Using Biorepositories to Answer Research Questions*
Authors: **Brothers KB**, Van Driest SL
Role: Presenting Author
Apr 2012 Boston, Massachusetts

10. Platform Presentation, American Society for Human Genetics
Presentation Title: *Genome-wide association study of vancomycin pharmacokinetics using a de-identified biorepository*
Authors: Van Driest SL, McGregor TL, Lu Z, Vear S, Creech CB, Kannankeril PJ, **Brothers KB**, Potts A, Bowton E, Delaney JT, Bradford Y, Wilson S, Olson L, Crawford DC, Saville B, Roden DM, Denny JC
Role: Non-Presenting Author
Nov 2012 San Francisco, California

Local/Regional Presentations:

1. Paper Response, Social and Political Thought Seminar
Symposium/Panel Title: *Enhancing Evolution*
Presentation Title: *Exploring Gendered Experience When Gender Has Been Destabilized*
Role: Presenting Author
Feb 2010 Nashville, Tennessee

2. Nineteenth Annual Joel G. Hardman Student-Invited Pharmacology Forum (Invited Talk)
Symposium/Panel Title: *Personalized Medicine*
Presentation Title: *Pediatric Biobanking Initiatives: Ethical Considerations and Legal Requirements*
Role: Presenting Author
Apr 2010 Nashville, Tennessee

3. Nashville Chapter of the Society of Clinical Research Associates (Invited Talk)
Presentation Title: *Human Non-Subjects Biobanking: Ethical and Legal Considerations for Research Users*
Role: Presenting Author
Jun 2010 Nashville, Tennessee

4. Grand Rounds, Department of Pediatrics, University of Louisville (Invited Talk)
Presentation Title: *Refusers, Deniers, and Objectors: Working with Vaccine-Hesitant Parents*
Role: Presenting Author
Aug 2010 Louisville, Kentucky

5. Panel Presentation, Vanderbilt Kennedy Research Center Ethics Grand Rounds

Kyle Bertram Brothers (continued)

Symposium/Panel Title: *'Curing' Disabilities: Ethical Considerations*

Role: Presenting Author

Apr 2011 Nashville, Tennessee

6. Belmont University (Invited Talk)

Symposium/Panel Title: *Panel Discussion on The Immortal Life of Henrietta Lacks by Rebecca Skloot*

Presentation Title: *The Immortal Life of Henrietta Lacks: Research Controversies and Regulations*

Role: Presenting Author

Nov 2011 Nashville, Tennessee

7. Guest Speaker, Hillsboro High School, Academy of Global Health and Science

Presentation Title: *Synthetic Biology: Frankenstein in the 21st Century*

Role: Presenting Author

May 2012 Nashville, Tennessee

8. St. Jude Children's Research Hospital Clinical Research Mini-Symposium (Invited Talk)

Symposium/Panel Title: *Genomics, Research and Children: Regulations, Ethics and Community*

Presentation Title: *Issues of Consent and Return of Results in Genomics Research with Children*

Role: Presenting Author

Aug 2012 Memphis, Tennessee

9. Center for Genetics and Molecular Medicine Symposium (Invited Talk)

Symposium/Panel Title: *Whole Genome Sequencing: From Lab to Clinic*

Presentation Title: *The Genome on the Exam Table: Clinical Applications of Whole Genome Sequencing*

Role: Presenting Author

Nov 2012 Louisville, Kentucky

Posters:

National/International Presentations:

1. HUGO Symposium on Genomics and Ethics, Law and Society

Symposium/Panel Title: *Sequencing of Individual Genomes: Impact on Society and Ethics*

Presentation Title: *Acceptability of an Opt-out Biobank Based on Electronic Medical Record and Residual Blood Samples*

Authors: **Brothers KB**, Morrison DR, Pulley J, Masys D, Clayton EW

Role: Non-Presenting Author

Nov 2009 Geneva, Switzerland

2. Pediatric Academic Societies

Presentation Title: *Acceptability of an Opt-Out Pediatric Biobank Based on Electronic Medical Record and Residual Blood Samples*

Authors: **Brothers KB**, Clayton EW, Morrison DR, Pulley JM, Masys D

Role: Presenting Author

May 2010 Vancouver, British Columbia, Canada

3. American Society of Bioethics and Humanities

Presentation Title: *The Nashville Community Health Survey: Perspectives on DNA Biobanking in a Population-Based Survey*

Authors: **Brothers KB**, Morrison DR, Clayton EW

Role: Presenting Author

Oct 2010 San Diego, California

4. 2011 Congress of the Ethical, Legal and Social Implications Research Program

Presentation Title: *Patient Perspectives on the PREDICT Program: Focus Groups on Practical Issues in the Design of a Clinical Pharmacogenomics Program*

Authors: Wright MF, Clayton EW, Pulley J, **Brothers KB**

Role: Non-Presenting Author

Apr 2011 Chapel Hill, North Carolina

5. American Society for Human Genetics

Kyle Bertram Brothers (continued)

Presentation Title: *Mapping the Incidentalome: Quantifying Incidental Findings Generated Through a Clinical Pharmacogenomics Project*

Authors: **Brothers KB**, Westbrook MJ, Wright MF, Van Driest SL, McGregor TL, Denny JC, Zuvich RL, Clayton EW

Role: Presenting Author

Nov 2012 San Francisco, California

6. Pediatric Pharmacogenomics and Personalized Medicine Symposium

Presentation Title: *Genome-Wide Association Study of Vancomycin Pharmacokinetics*

Authors: McGregor TL, Van Driest SL, Lu Z, Vear S, Creech CB, Kannankeril PJ, **Brothers KB**, Potts A, Bowton E, Delaney JT, Bradford Y, Wilson S, Olson L, Crawford DC, Saville B, Roden DM, Denny JC

Role: Non-Presenting Author

Apr 2013 Kansas City, Missouri

Local/Regional Presentations:

1. Research! Louisville 2012

Presentation Title: *Mapping the Incidentalome: Quantifying Incidental Findings Generated Through a Clinical Pharmacogenomics Project*

Authors: Westbrook MJ, Wright MF, Van Driest SL, McGregor TL, Denny JC, Zuvich RL, Clayton EW, **Brothers KB**

Role: Presenting Author

Sep 2012 Louisville, Kentucky

Publications:

Peer-Reviewed Journal Articles:

Original Research Articles:

1. **Brothers KB**. Covenant and the Vulnerable Other. *Journal of the American Medical Association*. 2002; 288 (9): 1133.
2. Bryant KA, Humbaugh K, **Brothers KB**, Wright J, Pascual FB, Moran J, Murphy TV. Measures to Control an Outbreak of Pertussis in a Neonatal Intermediate Care Nursery After Exposure to a Healthcare Worker. *Infection Control and Hospital Epidemiology*. 2006; 27 (6): 542-545.
3. **Brothers KB**, Glascoe FP, Robertshaw NS. PEDS: Developmental Milestones--an accurate brief tool for surveillance and screening. *Clinical Pediatrics*. 2008; 47 (3): 271-279.
4. Bishop JP, **Brothers KB**, Perry JE, Ahmad A. Reviving the conversation around CPR/DNR. *American Journal of Bioethics*. 2010; 10 (1): 61-67.
5. **Brothers KB**, Clayton EW. "Human Non-Subjects Research": Privacy and Compliance. *American Journal of Bioethics*. 2010; 10 (9): 15-17.
6. Langanke M, **Brothers KB**, Erdmann P, Weinert J, Krafczyk-Korth J, Dorr M, Hoffmann W, Kroemer H, Assel H. Comparing different scientific approaches to personalized medicine: research ethics and privacy protection. *Personalized Medicine*. 2011; 8 (4): 437-444.
7. **Brothers KB**. Biobanking in Pediatrics: The Human Non-Subjects Approach. *Personalized Medicine*. 2011; 8 (1): 71-79.
8. **Brothers KB**. Dependent Rational Providers. *Journal of Medicine and Philosophy*. 2011; 36 (2): 133-147.
9. **Brothers KB**, Morrison DM, Clayton EW. Two Large Scale Surveys on Community Attitudes Toward an Opt-Out Biobank. *American Journal of Medical Genetics*. 2011; 155A (12): 2982-2990.
10. Fullerton SM, Wolf WA, **Brothers KB**, Clayton EW, Crawford DC, Denny JC, Greenland P, Koenig BA, Leppig KA, Lindor NM, McCarty CA, McGuire AL, McPeck Hinz ER, Mirel DB, Ramos EM, Ritchie MD, Smith ME, Waudby CJ, Burke

Kyle Bertram Brothers (continued)

W, Jarvik GP. Return of Individual Research Results from Genome-wide Association Studies: Experience of the Electronic Medical Records and Genomics (eMERGE) Network. *Genetics in Medicine*. 2012; 14 (4): 424-431.

11. **Brothers KB**, Clayton EW. Parental Perspectives on a Pediatric Human Non-Subjects Biobank. *American Journal of Bioethics: Primary Research*. 2012; 3 (3): 21-29.

12. Pulley JM, Denny JC, Peterson JF, Bernard GR, Vnencak-Jones CL, Ramirez AH, Delaney JT, Bowton E, **Brothers KB**, Johnson K, Crawford DC, Schildcrout J, Masys DR, Dilks H, Clayton EW, Schultz E, Laposata M, McPherson J, Jirjis JN, Roden DM. Operational implementation of prospective genotyping for personalized medicine: The design of the Vanderbilt PREDICT project. *Clinical Pharmacology & Therapeutics*. 2012; 92 (1): 87-95.

13. McGregor TL, Van Driest SL, **Brothers KB**, Bowton EA, Muglia LJ, Roden DM. Inclusion of pediatric samples in an opt-out biorepository linking DNA to de-identified medical records: Pediatric BioVU. *Clinical Pharmacology & Therapeutics*. 2013; 93 (2): 204-211.

Peer-review Journal Articles In Press:

1. Westbrook MJ, Wright MF, Van Driest SL, McGregor TL, Denny JC, Zuvich RL, Clayton EW, **Brothers KB**. Mapping the Incidentalome: Estimating Incidental Findings Generated Through Clinical Pharmacogenomics Testing. *Genetics in Medicine*. 2012.

2. Langanke M, Fischer T, Erdmann P, **Brothers KB**. Gesundheitliche Eigenverantwortung im Kontext Individualisierter Medizin (Personal Responsibility in the Context of Individualized Medicine). *Ethik in der Medizin*. 2012.
The content in this article overlaps with the content of a book chapter, originally published in English, that is also listed here. It was revised, updated, and translated into German at the invitation of the journal Ethik in der Medizin.

3. **Brothers KB**, Westbrook MJ, Wright MF, Myers JA, Morrison DR, Madison JL, Pulley JM, Clayton EW. Patient Awareness and Approval for an Opt-Out Genomic Biorepository. *Personalized Medicine*. 2013.

Peer-Reviewed Books, Book Chapters, and Monographs:

1. Langanke M, Fischer T, **Brothers KB**. Public Health – It is running through my veins: Personalized Medicine and Individual Responsibility for Health. *Individualized Medicine*. 2012: 165-188.

Non-Peer-Reviewed Journal Articles:

Original Research Articles:

1. **Brothers KB**. Coping with Religious Coping: When What We Want and What is Best for Us Are Not the Same. *Virtual Mentor*. ; 11 (10): 1140-1147.

2. Centers for Disease Control and Prevention (CDC). Outbreaks of Pertussis Associated with Hospitals - Kentucky, Pennsylvania, and Oregon. *Morbidity and Mortality Weekly Report*. 2005; 54 (3): 67-71.
Acknowledged as case report contributor

3. **Brothers KB**. Putting Autonomy First: Should the pediatrician refuse to provide emergency contraception?. *AAP Section on Bioethics Newsletter*. 2006: 10-12.

4. **Brothers KB**, Clayton EW. Biobanks: Too Long to Wait for Consent. *Science*. 2009; 326 (5954): 798.
Comment On: Gurwitz D, Fortier I, Lunshof JE, Knoppers BM. Research ethics. Children and population biobanks. Science. Aug 14 2009;325(5942):818-819.

5. Bishop JP, **Brothers KB**, Perry JE, Ahmad A. Finite knowledge/finite power: "death panels" and the limits of medicine. *American Journal of Bioethics*. 2010; 10 (1): W7-9.

6. **Brothers KB**. Informed consent in the era of biobanks. *Genome Medicine*. 2013; 5 (4).

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