Kelsey Drewry
122 Carlyle Lake
Decatur, GA, 30033

21 May 2018

Selection Committee
National Bureau of Economic Research
1050 Massachusetts Ave.
Cambridge, MA

Dear Selection Committee,

As a first year doctoral student in Health Services Research and Health Policy at Emory University, I was thrilled to see the announcement of the NBER's conference on Measurement and Tracking of Subjective Well-Being for Aging Research, and am hopeful that I may be granted funding assistance in order to attend. Developing and teaching rigorous methods for patient-centered studies on healthcare for the aging is of paramount importance given the current demographics in the United States and the uniquely challenging issues that arise in providing quality health care to an aging population.

For the last several years, my research has been focused primarily on palliative and end-of-life (EOL) care. During my master's program, I designed and conducted a study to gain a better understanding of palliative care needs for patients suffering from ALS. Methodologically, this study employed semi-structured interviews with 10 patients and their families with subsequent qualitative analysis utilizing inductive/deductive coding. While this methodology is common in similar subjective studies, I felt limited by my own lack of knowledge and the relative lack of applicable methodological diversity found in the health services research literature. My current research is focused on the impacts of state-level policy on palliative care utilization; the hospital policies, clinical practices, and patient-level factors impacting the utilization of advance care planning; and the ways in which trust amongst care team members impacts patient care. Though my dissertation is not yet specified, I am hoping to design a project that will synthesize information about physician practice and patient experiences during serious illness and at the end of life to better inform stakeholders about the experience of healthcare for the elderly during a particularly vulnerable stage in their lives. As I move forward into my doctoral research and beyond to my career, I am exceedingly eager to increase my awareness and understanding of novel and interdisciplinary methodologies that will both inspire and improve the rigor of my research.

Thus, attending the upcoming conference you are hosting presents a unique opportunity for me to learn from leaders in the field of aging research about rigorous empirical methods that will inform my career-long goal of improving the experience of healthcare for the elderly. Thank you for considering me for such a wonderful opportunity.

Sincerely,

Kelsey Drewry

Kelsey Drewry, MA

122 Carlyle Lake • Decatur, GA 30033
kelsey.drewry@emory.edu

Education

Ph.D., Health Services Research & Health Policy; Emory University, Atlanta, Georgia. Expected 2022.
Concentration: Health Economics

Master of Arts, Bioethics, Emory University, Atlanta, Georgia. Conferred August 2017.
GPA: 4.0
Thesis: Narrative interview for the identification of supportive care needs for patients with Amyotrophic Lateral Sclerosis

Honors Bachelor of Science, Biochemistry and Biophysics, Oregon State University, University Honors College, Corvallis, Oregon. Conferred June 2014.
Magna cum Laude, GPA: 3.81
Minors: Spanish, Chemistry
Honors Thesis: The use of bioinformatics to guide the study of the metabolic capabilities of *Nocardioides* sp. strain CF8 and *Rhodococcus fascians* strain D188

Research Profile

PhD, Rollins School of Public Health, Emory University, Atlanta, Georgia. Research in progress:

- *Association of Medical and Adult-Use Marijuana Laws with Palliative Care and Hospice Utilization.* Role: Primary investigator.
- *Surveying Policies and Practice of Advance Directive and Physician Orders on Life Sustaining Treatment in Georgia Hospitals*. Role: Co-investigator.
- *Physician Trust in Care Team Members in a Multidisciplinary Breast Cancer Clinic.* Role: Research assistant.
- *Impacts of the Centers for Medicare and Medicaid's Misvalued Code Initiative*. Role: Research assistant.

Master's Thesis, Center for Ethics, Emory University, Atlanta, Georgia. Completed July 2017.

Narrative Interview for the Identification of Supportive Care Needs for Patients with Amyotrophic Lateral Sclerosis: An ethical analysis and pilot study. Amyotrophic lateral sclerosis (ALS) is a neurodegenerative disease that causes patients to progressively lose control of voluntary muscles responsible for movements like chewing, walking, talking, and breathing. No cure exists and disease progression is highly variable. Due to the severity of symptoms a nd their impact upon patient and caregiver quality of life, the need for palliative and supportive care services for patients with ALS has been clearly identified. However, recent studies suggest a need to tailor these services to the needs of patients with neurological disorders, but little research has been published to this effect for ALS. This paper discusses the ethics of palliative and supportive care, their intersection with narrative ethics, and a proposed research method that integrates patient-centered principles from each of these disciplines to elicit care needs from patients' stories of their disease experience. The paper also describes a pilot study to test the methodology of illness narrative interview and thematic analysis to identify supportive and palliative care needs for patients with ALS and their caregivers. Ten patient and family groups with ALS functional rating scores between 27-44 participated in a two-tiered, semi-structured illness narrative interview. Grounded theory guided the thematic analysis of interview transcripts. Sixty-one themes emerged and were grouped into two distinct genres, six domains, and eighteen categories. All patients discussed the importance and helpfulness of the love and support of their family. Faith communities and spiritual practices, maintaining a positive outlook, and altruistic action were also amongst the most predominant themes in the "Expressed Needs" genre. Most prevalent in the "Observed and Experienced Changes" genre were themes of appreciating the value of life and time, thinking about death and dying, and concern for the wellbeing of family. The most commonly identified unmet care need was psychological support for depressive symptoms. The multifaceted needs expressed by participants cohere with the multidisciplinary approach of supportive and palliative care and were well elicited by the narrative interview approach. The results of this pilot study suggest that illness narrative interview and thematic analysis may be utilized effectively to elicit palliative and supportive care needs.

Undergraduate Research Associate, Department of Botany and Plant Pathology, Oregon State University, Corvallis, Oregon. 2011-2014.

Bioinformatic tools were used to analyze the genomes of *Nocardioides* sp. strain CF8 and *Rhodococcus fascians* strain D188 to identify genes that encode enzymes with the potential for conferring interesting metabolic capabilities. Genome analysis showed two *alkB* genes and a hydrogenase operon in *Nocardioides* sp. strain CF8. Three *alkB* genes were present in the genome of *R. fascians* strain D188. Alkane monooxygenases (AlkBs) are enzymes that perform the first reaction in the degradation pathway for >C10 *n*-alkanes. Bacteria possessing these enzymes have metabolic capabilities for alkane degradation and are of interest in the field of bioremediation as they have the potential to degrade crude oil in sites where

petroleum spills have occurred. The two *alkB*s in the genome of *Nocardioides* sp. strain CF8 were shown to be functional *in vivo* by growth experiments and by the detection of the mRNAs by RT-PCR. Similarly, in the activities of the *alkB*s in the genome of *R. fascian*s strain D188 were demonstrated to be functional by growth experiments. The three *alkB* mRNAs of were detected by RT-PCR at different intensities. The construction of a putative disruption mutant also showed the function of one of the three AlkBs of *R. fascians* strain D188. The activity of the hydrogenase enzyme predicted in the genome of *Nocardioides* sp. strain CF8 was confirmed through degradation of molecular hydrogen. This thesis shows evidence for the activity of the AlkBs of *Nocardioides* sp. strain CF8 and is the first to show the functionality of its hydrogenase *in vivo*. Additionally, this thesis is the first investigation into the functionality of the AlkB genes of *R. fascians* strain D188.

Teaching Experience

Teaching Assistantships

Advanced Policy Analysis Capstone (MPH). Department of Health Policy & Management, Rollins School of Public Health, Emory University, Atlanta, Georgia. Spring 2018.

Responsibilities: Providing feedback for and grading of students' written work.

Health Policy and Resource Allocation (MPH) Department of Health Policy & Management, Rollins School of Public Health, Emory University, Emory University, Atlanta, Georgia. Fall 2017.

Responsibilities: Restructuring course content, updating lecture materials, guest lecturing, holding one office hour per week, grading coursework, and writing, proctoring, and grading exams.

Hundere Endowment Student Internship; School of History, Philosophy, and Religion, Oregon State University, Corvallis, Oregon. September 2014- June 2015.

Biomedical Ethics and Honors Biomedical Ethics (BS, BA, MS, MA). Responsibilities: Guest lecturing, facilitating in-class discussions, holding office hours, writing homework and exams, and evaluating student work.

Ebola, Ethics, and Epidemics. My faculty mentor, Dr. Courtney Campbell, and I developed this new honors colloquium to address the scientific, medical, and ethical dilemmas posed by epidemics with specific focus on the modern outbreak of Ebola Virus in West Africa. I worked to develop course content, organize guest speakers, research recent events and develop pertinent case studies, and prepare and deliver lectures on the biomedical components of Ebola Virus Disease. I maintained the additional responsibilities of the TA position including the facilitation of in-class discussion, holding office hours, writing homework and exam questions, and evaluation of student work. Approximately 25 hours per week.

Biochemistry; Department of Biochemistry and Biophysics, Oregon State University, Corvallis, Oregon. Fall 2013 and Winter 2014.

Responsibilities: attending lecture, teaching a one-hour recitation class once per week, holding office hours, and grading exams.

Publications

Rommelfanger KS and **Drewry K.** (2017). Ethical Issues in Neurology. Medlink Neurology. Retrieved on January 19, 2018, from http://www.medlink.com/article/ethical_issues_in_neurology

Drewry K. (2017). Considering a Role for Narrative in Palliative Care Research. The Healthcare Ethics Blog. Retrieved on January 19, 2018, from https://www.healthethicsblog.com/single-post/2017/12/06/Palliative-Care-Narrative

Drewry K. (2017). Have I Been Cheating? Reflections of an Equestrian Academic. The Neuroethics Blog. Retrieved on September 25, 2017, from http://www.theneuroethicsblog.com/2017/06/have-i-been-cheating-reflections-of.html

Drewry K. (2017). Dangerous Love and Anti-Love Drugs: Neuroethics & Public Health Problems. The Neuroethics Blog. Retrieved on March 6, 2017, from http://www.theneuroethicsblog.com/2017/02/dangerous-love-and-anti-love-drugs.html

Grant Funding

Georgia Health Foundation Community Research Grant (2018, In Review)
Surveying Policies and Practice of Advance Directive and Physician Orders on Life Sustaining Treatment in Georgia Hospitals

PI(s): Prizer, LP; Kinlaw K **Role:** Co-Investigator

Presentations

Oregon State University Conference on Bioethics, History, and Religion
Bane and Enlightenment: *The Plague* and the modern Ebola crisis (2015)
Oregon State University, University Honors College Thesis Defense
The use of bioinformatics to guide the study of the metabolic capabilities of *Nocardioides* sp. strain CF8 and *Rhodococcus fascians* strain D188 (2014)
Howard Hughes Medical Institute Research Symposia
Characterizing the multiple monooxygenases of *Rhodococcus fascians* strain D188 (2012)
Testing the growth of *Nocardioides* sp. strain CF8 (2011)

Administrative Activity

- Managing Editor and Contributor, The Healthcare Ethics Blog: Healthcare Ethics Consortium, September 2016-Present
- Graduate Assistant, Healthcare Ethics Consortium, Emory University Center for Ethics, August 2016- Present
- Event Coordination, Marketing and Communications: Emory University Center for Ethics, January 2016-August 2016

Civic Engagement

- Healthcare Ethics Consortium Annual Conference Planning Committee, 2015-Present
- Legislative Aide, Representative Mary Margret Oliver, Georgia House of Representatives, 2016
- Respite Care Volunteer: Benton Hospice Service, 2014-2015
- Ambassador: Oregon State University Undergraduate Research, Scholarship & the Arts 2012-2014
- Clinical Apprenticeship, Family Medicine, 2013

Awards and Distinctions

- Emory University Laney Graduate School Woodruff Doctoral Fellowship (2017-2022)
- Oregon State University Diversity Achievement Award (2010-2014)
- 2013 Phi Kappa Phi Honor Society Tunsion Scholarship
- 2013 Oregon State University College of Science Ray, Frances & Dale Cripps Scholarship
- 2012 Howard Hughes Medical Institute Summer Research Award
- 2012 URISC Summer Research Award
- 2012 Oregon State University College of Science Mary Hutchins Hohner Scholarship
- 2011 Howard Hughes Medical Institute Summer Research Award
- 2011 URISC: Start Research Award
- 2011 Oregon State University College of Science George and Marthel Porter Pre-Medical Scholarship

References

Jason Hockenberry, PhD; Associate Professor, Emory University Rollins School of Public Health, Health Policy and Management, Atlanta, Georgia. Doctoral program director; instructor; research mentor.
jason.hockenberry@emory.edu
404-727-7416
Kathy Kinlaw, MDiv; Associate Director, Emory University Center for Ethics, Atlanta, Georgia. Master's thesis advisor, Healthcare Ethics Consortium graduate assistantship supervisor.
kkinlaw@emory.edu
404-727-2201
Kevin Ahern, PhD; Professor, Department of Biochemistry and Biophysics, Oregon State University, Corvallis, Oregon. B.S. Biochemistry and biophysics academic advisor; biochemistry teaching assistantship and Undergraduate Research, Scholarship, and the Arts ambassadorship supervisor; honors thesis committee member.
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Current & Completed Doctoral Courses

ECON 500	Microeconomic Theory I	Fall 2017	4.00
ECON 501	Microeconomic Theory II	Spring 2018	4.00
ECON 520	Probab.Theory & Stat.Inference	Fall 2017	4.00
ECON 521	Econometric Methods I	Spring 2018	4.00
ECON 526	Quantitative Methods I	Summer 2017	4.00
HPM 701	PH Rsch: Discovery to Practice	Fall 2017	1.00
HPM 720R	Doctoral Sem. in Health Policy	Fall 2017	2.00
HPM 720R	Doctoral Sem. in Health Policy	Spring 2018	2.00
HPM 740	Doctoral Sem Hlth Economics	Spring 2018	4.00
HPM 798R	Pre-Candidacy Research	Summer 2018	9.00
JPE 600	Jones Prg.in Ethics:Core Class	Fall 2017	0.00
JPE 610	Jones Prg.in Ethics: Workshop (Ethical Design Intell.Robots)	Spring 2018	0.00
TATT 600	Graduate School Workshop	Fall 2017	1.00
TATT 605HPM	Teaching Assistantship	Fall 2017	2.00

EMORY
ROLLINS SCHOOL OF PUBLIC HEALTH

Department of Health Policy and Management

May 21, 2018

Dear Colleagues,

Kelsey Drewry is an excellent candidate to be funded for attendance at the NBER Measurement and Tracking of Subjective Well Being for Aging Research. Kelsey joined our PhD program in August 2017, and from the start has been interested in aging research. Kelsey is particularly interested in issues related to well-being as older adults face potential end of life care and related healthcare and other decisions. Her previous master's degree work in ethics and current course of study in health economics make her a particularly good fit for this opportunity.

Kelsey is a Woodruff Scholar at Emory, meaning she was recognized as one of the 10 or so most promising graduate students entering PhD programs across all of Emory in the fall of 2017. Kelsey has proven to be an apt economics student. While our PhD program in in Health Policy, our Economics Track students take the first year Microeconomic Theory and Econometric Theory sequence in our economics department. She performed near the top of the class in those courses, which include students from the Economics PhD and business school PhD students.

From my interactions with Kelsey to date, I anticipate she will be among the top PhD students completing our program. Her ability to acquire new technical skills and integrate it into important questions of substance are akin to one of our previous students, Hefei Wen, whose dissertation papers were ultimately published in the Journal of Public Economics, Journal of Health Economics, and JAMA Psychiatry, and is the 2018 recipient of the John D. Thompson prize for young investigators.

Regards,

Jason M. Hockenberry, PhD
Director of Graduate Studies
Research Associate, NBER

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