

3<sup>rd</sup> Annual

# *Foundations in Bioethics*

June 11-14, 2019



Interdisciplinary Center for Bioethics  
Yale University

[bioethics.yale.edu](http://bioethics.yale.edu)



## Welcome

Welcome to the Yale Interdisciplinary Center for Bioethics' third annual *Foundations in Bioethics* program! We are glad that you are here!

Our goal at Yale's Nuland Summer Institute in Bioethics is to make Yale the best place in the world to get an introduction to bioethics. Foundations of Bioethics is a crucial part of that goal. In this week, we hope to introduce all of you, regardless of your backgrounds, disciplines and levels of training, to the basics of bioethics as a field, and to the main ways in which ethics is applied in the clinic, in research, in policy, and in medical law.

Some of you are here only for Foundations; others will be staying on for six additional weeks, joining us for seminars and lectures on the full range of bioethics topics and issues. But our ambition for all of you is that this week, you'll get a strong, shared understanding of bioethics not just as an academic discipline, but as an evolving field of practice, with a range of sub-specializations and a quiver of commonly-used arguments and approaches. We hope—in fact, we know, because we've done this before! —that you will learn not only from our stellar faculty, but also from each other. This year, Foundations students come from more than 20 countries and from every continent except Antarctica. You are physicians, lawyers, students, philosophers, nurses, chaplains, academics, government officials. We urge you to spend your out-of-classroom time meeting and talking with one another, finding out from one another what it is that you're finding surprising or challenging or strange, and learning from one another about your plans to put what you've learned here into practice in your own communities and professions.

This is going to be exciting, and it's going to be over before you know it. If all goes well, you'll lose yourself in these few days, and emerge a permanent part of our growing bioethics family. Please, tell us if there is anything we can do to help you with your experience in Foundations, at Yale, and in New Haven. And please know that our doors are open to our students not only during Foundations but always. Welcome!

Stephen R. Latham, JD, PhD  
*Director, Yale Interdisciplinary Center for Bioethics*

Lori Bruce, MA, MBE  
*Associate Director, Yale Interdisciplinary Center for Bioethics*  
*Director, Sherwin B. Nuland Summer Institute in Bioethics*



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# Program Description

## Foundations of Bioethics

This four-day program is intended for those who are interested in ethics as it relates to the clinical setting, research, policy, and law as well as the history and theories of bioethics. Topics will be explored through lectures, case studies, and small-group break-out sessions. Attendees will include undergraduate students, graduate students, and professionals. Recent attendees include physicians from Japan, China, Canada, the US, and Turkey along with students and professionals from Australia, the US, Canada, New Zealand, Czech Republic, Spain, Brazil, Turkey, Ethiopia, Togo, Ecuador, Mexico, and Poland.

## Learning Objectives

At the conclusion of this four-day program, participants will be able to answer:

- What is bioethics, and what is ethical theory?
- What are the main principles, concepts, and common terms in bioethics?
- What methods, frameworks, and arguments are commonly used in bioethics?
- What are the most pressing issues in bioethics today (in research, law & policy, clinical ethics, and more)?
- How might I utilize bioethics in my career?



## Program Schedule

<b>Tuesday, June 11</b>	<b>Topic</b>	<b>Speaker</b>
9:15 am	Welcome and Introduction	Bruce
9:30 – 10:00 am	Bioethics as Inspiration	Latham
10:00 – 10:45 am	Introduction to Ethical Theory	Campbell
10:45 – 11:45 am	Ethical Theory: Happiness and Well-Being	Campbell
11:45 – 12:45 pm	—Lunch—	
12:45 – 1:30 pm	Ethical Theory: Consequences and Utilitarianism	Campbell
1:30 – 2:30 pm	Case Discussion: The Trolley Problem (small groups)	Cardona-Wolenski, Room 63, 2nd Floor Earp, Room 48, 1st Floor Herbst, Room 57, 2nd Floor Kudina, Room 38, 1st Floor Latham, Room 59, 2nd Floor Takahashi, Room 52, 1st Floor Tolchin, Room 51, 1st Floor
2:30 – 2:45 pm	—Break—	
2:45 – 4:45 pm	Justice, Principlism, and Casuistry	Latham

<b>Wednesday, June 12</b>	<b>Topic</b>	<b>Speaker</b>
9:15 – 9:30 am	Convene/Announcements	Bruce
9:30 – 10:30 am	Ethical Theory: Rights, Respect for Persons, and Moral Status	Campbell
10:30 – 10:45 am	—Break—	
10:45 – 11:30 am	Ethical Theory: Virtue and Pluralism	Campbell
11:30 – 12:45 pm	—Lunch—	
12:45 – 2:15 pm	Origins of Bioethics	Latham
2:15 – 2:35 pm	—Break—	
2:35 – 3:45 pm	Common Methods and Arguments in Bioethics	Latham
3:45 – 4:45 pm	Thinking like an Ethicist: Small-Group Case Studies on Common Arguments	Earp, Room 48, 1st Floor Herbst, Room 56, 2nd Floor Kopp, Room 63, 2nd Floor Kudina, Room 38, 1st Floor Takahashi, Room 52, 1st Floor Tolchin, Room 51, 1st Floor

<b>Thursday, June 13</b>	<b>Topic</b>	<b>Speaker</b>
9:15 – 9:30 am	Convene/Announcements	Bruce
9:30 – 10:30 am	Branches of Bioethics (Clinical, Research, Public Health, Policy)	Latham
10:30 – 11:30 am	Overview of Clinical Ethics	Latham
11:30 – 12:45 am	—Lunch—	



12:45 – 2:15 pm	Why Pediatric Ethics is Different and Harder	Mercurio
2:15 – 2:30 pm	—Break—	
2:30 – 3:30 pm	<b>Break-out Session 1 (Choose One Small-Group Session):</b>	
	Designing Children: Choosing and Modifying Human Traits	Latham Room 59, 2nd Floor
	Neuroethics in the Intensive Care Unit: Brain Death, Vegetative States, and Minimally Conscious	Tolchin Room 57, 2nd Floor
	Overview of Animal Ethics	Kopp Room 63, 2nd Floor
3:30 – 4:30 pm	<b>Break-out Session 2 (Choose One Small-Group Session):</b>	
	Love Drugs: The Final Frontier of Human Enhancement	Earp Room 59, 2nd Floor
	Finding Common Ground: Bioethics, Religion and Dialogue	Kopp Room 63, 2nd Floor
	Community Inclusion in Health Policy: A Novel Paradigm of Ethics Consultation	Bruce Room 57, 2nd Floor
	Ethics of Technology: Overview of Risks, Benefits, and Dilemmas	Kudina Room 48, 1st Floor

<b>Friday, June 14</b>	<b>Topic</b>	<b>Speaker</b>
9:15 – 9:30 am	Convene/Announcements	Bruce
9:30 – 11 am	Everything You Wanted to Know about Normative Ethics	Kagan
11 – 11:15 am	—Break—	
11:15 – 12 pm	Law and Bioethics Related to Contraception and Abortion	Latham
12 – 1 pm	—LUNCH—	
1:00 – 2:15 pm	Law and Bioethics Related to Artificial Reproductive Technology and End-of-Life Issues	Latham
2:30 – 3:30 pm	<b>Break-out Session 3 (Choose One Small-Group Session):</b>	
	Why the US Doesn't have Universal Healthcare Yet, and the Foreseeable Hurdles to Getting There	Herbst Room 59, 2nd Floor
	Bias and Ethical Reflection: Examining Moral Judgments about War	Mertens Room 48, 1st Floor
	Ethics and Marginalized Populations: A Glimpse into Today's Challenges in the Clinical Setting	Bruce Room 63, 2nd Floor
	Ethics of Assisted Reproductive Technology: A Cross-Cultural Comparison	Takahashi Room 56, 2nd Floor
3:30 – 3:45 pm	—Break—	
3:45 – 4:45 pm	<b>Break-out Session 4 (Choose One Small-Group Session):</b>	
	Pig Brains and the Recently Dead: Frontiers in Research Ethics	Latham Room 59, 2nd Floor
	Clinical Ethics Careers and Life on a Hospital Ethics Committee: What It's All About	Bruce Room 63, 2nd Floor
	Academic Careers in Bioethics	Kudina and Earp Room 56, 2nd Floor
	Careers in Law and Ethics: How to “do” ethics with a JD	Herbst Room 48, 1st Floor



# ACCMEs

*We are entirely grateful to*

***Mary Fitzgerald***

***&***

***The John D. Thompson Hospice Institute for Education, Training and Research, Inc.***

*for supporting our professional development through ACCME accreditation*

**Accreditation:** This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of The John D. Thompson Hospice Institute for Education, Training and Research, Inc., The Sherwin B. Nuland Summer Institute in Bioethics & The Interdisciplinary Center for Bioethics at Yale University. The John D. Thompson Hospice Institute for Education Training and Research, Inc., is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide CMEs to physicians. Each **daily** session has been designated a specified value of **AMA PRA Category 1 Credits (CMEs)** as follows: **Day 1 = 5.25, Day 2 = 5.25, Day 3 = 5.50 and Day 4 = 5.50.** **Disclosure:** The speakers and planning committee members do not have any commercial or financial interests that would bias this program.



## Amenities

### **Location and Access**

The program will take place in the Sloane Physics Laboratory (SPL) building located at 217 Prospect Street, New Haven, CT, 06520.

The building is accessible via the Blue Route on Yale's free shuttle service. Shuttle tracking can be found at [yale.transloc.com](http://yale.transloc.com). There are a variety of options for parking, including fairly numerous street parking spots. Parking on Prospect St. is available through meters at \$1.50/hour, all day long; you can pay via credit card or coins/dollar fills and you can feed the meter for a full day. Another option is the Lock Street Garage at Yale Health, which is a pay-to-park indoor garage four blocks from the location. To learn more about other parking options in New Haven, visit <https://parknewhaven.com>.

### **Internet Use**

Yale University provides free wireless internet to guests on campus under the network name "YaleGuest". YaleGuest does not require either username or password to gain access. Please note that the network is open and unencrypted.

### **Coffee**

Complimentary coffee will be provided daily in the second-floor hallway between 8:30am and 9:30 am.

### **Meals**

There are several nearby lunch options for those interested in purchasing lunch daily. Food trucks are available in the parking lot of the Ingalls Rink located at 73 Sachem Street. Additionally, breakfast and lunch are also available in the KBT Cafe at 219 Prospect Street. See map on page 15.

### **Social Media**

Tweet with us! Share your thoughts and follow our Twitter handle, @YaleBioethics.





## Upcoming Programs

### **Mediation and Facilitation Training**

*June 21, 2019 (1-5 pm) & July 19, 2019 (1-5 pm)*

Medical decision-making can be stressful for all involved. Emotions can run high, opinions and values may conflict, team members may rotate on and off a case, and time may be short. In the shadow of these limitations, an ethics committee needs to arrive at a recommendation that is informed and which can be clearly communicated to the providers, patient and family members.

Through lecture, discussion, exercises and role play simulations, this program will explore interest-based negotiation principles and how mediators and facilitators use them to shift people from unproductive to productive interactions. The Program will identify cognitive biases that people fall prey to in decision making and describe communication and inquiry skills that will help committees arrive at better-informed consensus decisions. Lastly, it will provide tips for how to deal with difficult behavior.

No matter what your role is in the consult, you can apply principles and skills drawn from mediation and facilitation to improve the deliberations and the outcome. No background in mediation or facilitation is assumed; program content will differ from and complement content from our January 2019 Clinical Ethics program

*Sign up here:* [bioethics.yale.edu](http://bioethics.yale.edu) and select *Mediation Training* from the *Programs* menu.

### **1-Day Clinical Ethics Program**

*January 2020 (Date coming soon)*

This 1-day program is intended for members of hospital ethics committees and others interested in ethical aspects of clinical medicine. Attendees will include physicians, nurses, PAs, social workers, chaplains, patient representatives, lawyers, counselors, and psychologists. Community members who serve on ethics committees are encouraged to attend. Priority will be given to those currently serving on a hospital ethics committee or ethics task force. Curriculum includes case discussions and small group sessions.

### **2020 Summer Institute**

*June & July 2020 (Applications accepted starting September 2019)*

Now in its 14th year, and intended for undergrads through professionals, the Summer Institute is a 7-week program known for its engaging and approachable faculty, enthusiastic alumni network, & networking with faculty and participants from all over the globe. Participants complete between 150 and 200 hours over the course of the program.

Choose from over twenty small, intensive seminars (on topics including neuroethics, law, moral reasoning, technology, information ethics, social justice, global health, end-of-life care, animal ethics, and more), bioethics movie nights, and selected events in Spanish and French for native speakers. Participants also visit the esteemed Hastings Center & present a poster at Yale School of Medicine. This program may serve as the launching ground to a rewarding career in bioethics; recent alumni have presented their work at bioethics conferences at Oxford, the American Society of Bioethics and Humanities, UNESCO's World Conference, and the International Association of Bioethics World Congress.

We will start to accept applications in September and rolling admissions will continue until the class is full.



## Foundations Lecturers

### ***Stephen R. Latham***



***Director, Yale Interdisciplinary Center for Bioethics; Senior Research Scientist in Political Science, Chair of the Human Subjects Committee, and Co-Chair of the Embryonic Stem Cell Research Oversight Committee, Yale University; Lecturer, Yale Law School***

Stephen R. Latham, JD, PhD, is Director of the Yale Interdisciplinary Center for Bioethics. Before entering academia full-time, he was secretary to the AMA's Council on Ethical and Judicial Affairs. He has been a graduate fellow of Harvard's Safra Center on Ethics, a Research Fellow of the University of Edinburgh's Institute for Advanced Studies in the Humanities, a vice-chair of the ABA Health Law Section's Interest Group on Medical Research, Biotechnology and Clinical Ethics, and a board member and Secretary of the American Society for Bioethics and Humanities, from which he received a Distinguished Service Award.

Latham's publications on bioethics and health law have appeared in numerous university-press books, law reviews and peer-reviewed journals, including *Nature*, *JAMA*, the *New England Journal of Medicine*, the *Journal of Law, Medicine and Ethics*, the *American Journal of Bioethics*, and the *Hastings Center Report*, which he serves as a Contributing Editor. His current work deals with a wide range of bioethics issues from reviving anoxic pig-brains to conducting research in the newly-dead, and from using social media to determine the causes of individuals' risky sexual behavior to using e-health alerts to enhance the treatment of kidney failure during hospitalization. Latham's undergraduate Political Science course, "Bioethics and Law," is among the largest classes at Yale College.

Latham has served for several years as faculty chair of Yale's Human Subjects Committee (its social/behavioral IRB), and currently chairs one of Yale's biomedical IRBs and co-chairs its Embryonic Stem Cell Research Oversight Committee. He also does clinical ethics consultation with the Pediatric Ethics Committee at Yale-New Haven Children's Hospital and on the Medical Review Board of Connecticut's Department of Children and Families.

### ***Stephen M. Campbell***



***Assistant Professor of Philosophy, Bentley University***

Stephen M. Campbell is an Assistant Professor of Philosophy at Bentley University. He received his doctorate in philosophy from the University of Michigan and did his postdoctoral work at Coe College and University of Pennsylvania's Perelman School of Medicine. His primary research interests are ethical theory, bioethics, and philosophy of disability. His published work has appeared in *Journal of the American Philosophical Association*, *American Journal of Bioethics*, *Kennedy Institute of Ethics Journal*, *Ethical Theory and moral Practice*, *Utilitas*, *Journal of Applied Philosophy*, *Hume Studies*, and *The Routledge Handbook of Philosophy of Well-Being*. Currently he is working on project concerning definitions of disability and enhancement, the ethics of causing disability, the relationship between disability and well-being, and conceptions of the good

death. Steve is a Summer Institute alum from 2011.

## ***Shelly Kagan***



### ***Clark Professor of Philosophy at Yale University***

Dr. Kagan's main research interests lie in moral philosophy, and in particular, normative ethics. Much of his work centers on the debate between consequentialist and deontological moral theories, with publications on the nature of well-being, moral desert, utopia, and the connections between Kantianism and consequentialism. Kagan is a popular lecturer at Yale, known for his introductory lectures on Death and Ethics. His course on Death has been turned into an Open Yale Course, which is particularly popular in China and Korea. *Death*, a book based on this course, has been a national bestseller in South Korea.

## ***Jennifer L. Herbst***



### ***Professor of Law and Medical Sciences, Quinnipiac University School of Law and Frank H. Netter MD School of Medicine.***

Dr. Herbst serves as a community member on the adult ethics committee for Yale-New Haven Hospital and the Human Subjects Committee for Yale University's Human Research Protection Program. Prior to joining the Quinnipiac faculty, she taught at Temple University's Beasley School of Law as an Abraham L. Freedman fellow. Earlier in her career, she worked as defense counsel for hospitals, health care providers, and pharmaceutical companies at a law firm in Philadelphia.

Her research focuses on the intersection between health, ethics, law, and money. Her scholarship has been published in the *Journal of Law, Medicine & Ethics*, the *Hastings Center Report*, *Public Health Reports*, *Temple Law Review*, *BMC Medical Ethics*, and *Health Matrix*. Her current research projects include

examining when, if ever, it may be ethical and/or good policy for a physician, hospital, or health care system to "fire" a patient, the ethics of using microbiota transplants for antibiotic stewardship purposes, and the ethical framework for loved ones making health care decisions for others.

## ***Lori Bruce***



### ***Associate Director, Interdisciplinary Center for Bioethics at Yale University and Director of the Center's Summer Institute in Bioethics; Chair, Community Bioethics Forum***

Lori Bruce has served on hospital ethics committees at Harvard and Yale for the past 13 years and has authored health policy on a wide range of issues, including pediatric organ donation after cardiac death, palliative sedation, infant safe haven laws, brain death, and Connecticut's MOLST law. She has consulted for a member of President Obama's Commission on Bioethics, has lectured at Walter Reed National Military Medical Center, the Centre for Values, Ethics and Law in Medicine at the University of Sydney, and so forth. Lori founded and directs the Community Bioethics Forum which incorporates the voices and values

of community members in health and medical policies, and her research goals focus on bringing light to healthcare of marginalized populations. She sits on both the pediatric and adult ethics committees here at Yale, is the ethics consultant for the Yale Gender Clinic, and serves on Yale's Tissue Bank IRB. Lori's graduate work is in both neuroscience and bioethics, with coursework from Johns Hopkins, and Boston University School of Medicine, and a Masters in Bioethics from Icahn School of Medicine at Mount Sinai in New York. Her writing appears in both academic journals (such as *The Hastings Center Report* and *American Journal of Bioethics*) and popular press including the *Huffington Post*.

## ***Laurie Cardona-Wolenski***



***Assistant Professor; Chief of Psychology, Yale Child Study Center Psychology Training Program; Co-Director, Yale Child Study Center Pediatric Consultation-Liaison Service***

Dr. Cardona provides administrative oversight, seminars, and clinical supervision for the Psychology Training Program of the Child Study Center. She is the director of the Yale Child Study Center Psychological Assessment Service. Dr. Cardona serves as Co-Director of the Child Study Center Pediatric Consultation-Liaison Service, which offers a broad range of psychiatric services to children and adolescents who are under the care of the inpatient pediatric services of YNHH. She is a clinical consultant to the Pediatric Oncology Service and a member of the Pediatric Ethics Committee. Dr. Cardona is the faculty psychologist for the Children's Psychiatric

Inpatient Service at YNHH and the Inpatient Child Study Center

School, both of which serve children ages 4 to 14 with serious neuropsychiatric, developmental and behavioral problems. Dr. Cardona is a member of the Yale School of Medicine Admissions Committee.

## ***Brian Earp***



***Associate Director of the Yale-Hastings Program in Ethics and Health Policy and a Research Fellow in the Uehiro Centre for Practical Ethics, University of Oxford.***

Brian is pursuing a joint Ph.D. in philosophy and psychology, having received his undergraduate degree in cognitive science from Yale, a Master's degree in psychology from the University of Oxford, and a second Master's degree in the history and philosophy of science from the University of Cambridge. Brian is interested in unconscious mental processes, the sociology of scientific practice, and topics in bioethics, among other things. Brian is also a professional writer, actor, and singer. His upcoming book, *Love Drugs: The Chemical*

*Future of Relationships*, is co-authored with Dr. Julian Savulescu and will be released this fall.

## ***Sue Kopp***



***Professor Emeritus of Health Sciences, Veterinary Technology Program, LaGuardia College, CUNY; Affiliated Scholar, Yale Interdisciplinary Center for Bioethics***

Dr. Susan Kopp is a recipient of the New York State Humane Association Award for Exemplary Veterinary Service, and also served as veterinarian for the New York City animal shelter system, where her work included areas related to public health and the human-animal bond. A past chair of Yale's Interdisciplinary Center for Bioethics Animal Ethics study group, Sue developed and taught our Summer Institute's first

animal & veterinary ethics seminar in 2010. Her personal and professional commitments include both efforts around fruitful dialogue on challenging issues of faith in society, and interest in the interface between religion, ethics, animals, and the environment. Her collaborative work includes articles in The Hastings Center Special Report, the Journal of Moral Theology, America magazine, and Living City magazine. Sue holds a BS in Biochemistry from Virginia Tech, Doctor of Veterinary Medicine from Purdue University, and advanced coursework in religious studies.



## ***Olya Kudina***



### ***PhD in Philosophy, University of Twente***

Kudina's PhD is in Philosophy of Technology from the University of Twente in the Netherlands. Her interests are in the mediating role of technologies in the morality of people. She has previously worked on the European Union research project in Belgium, exploring the ethical and social implications of a new security system. Before that, she worked in the Council of Europe in Ukraine, in the domain of personal data protection and privacy. Olya is an alum of the Summer Institute in Bioethics, having attended in 2017.

## ***Mayli Mertens***



### ***PhD Candidate in Philosophy, University of Twente***

Mertens has a background in journalism and worked as an international correspondent until 2006, living in 12 different countries and traveling all over the world including North, West, and South Africa and the Middle East. Mertens has also lectured on social and environmental justice to international audiences. She obtained her MA in Applied Ethics from Linköping University in Sweden and was awarded 'Best Formal Paper by a Graduate Student' by the Association for Practical and Professional Ethics (APPE) for her work "Objectivity beyond the red line: A case for binocularity in war reporting." Her current research in neuroethics and philosophy of technology is on responsible innovation in the prognosis of postanoxic coma.

## ***Mark Mercurio***



### ***Professor of Pediatrics (Neonatology); Chief, Neonatal-Perinatal Medicine; Director, Program for Biomedical Ethics, Yale School of Medicine; Director, Yale Pediatrics Ethics Program***

Dr. Mercurio is Professor of Pediatrics, Chief of Neonatal-Perinatal Medicine, and the Director of the Program for Biomedical Ethics at Yale School of Medicine. He leads the faculty and post-doctoral fellows in Neonatology, overseeing medical care provided in Newborn Intensive Care Units at Yale-New Haven Children's Hospital, Lawrence and Memorial Hospital, Bridgeport Hospital, and Waterbury Hospital. In addition, he is actively involved in the ethics education of Yale medical students, attending physicians, fellows, residents, nurses, and physician associate students. He has more than 25 years of experience as a clinical neonatologist, including the training of fellows and residents in the Newborn ICU, and over 20 years' experience in clinical ethics consultation in adult and pediatric medicine. Published work has appeared in *Pediatrics*, *The Hastings Center Report*, *Seminars in Perinatology*, the *Journal of Medicine and Philosophy*, and *The Journal of Perinatology*. He has served on the American Academy of Pediatrics Committee on Bioethics and is co-editor of a textbook of pediatric ethics. Dr. Mercurio received his undergraduate degree in Biochemical Sciences from Princeton University, and his M.D. from Columbia University. He completed Pediatrics Residency and Neonatology Fellowship at Yale University, and received a Master's Degree in Philosophy from Brown University.

## ***Shizuko Takahashi***



### ***Physician and Genetic Counselor in Obstetrics and Gynecology, University of Tokyo School of Medicine; Visiting Researcher, Center for Biomedical Ethics and Law, University of Tokyo Graduate School of Medicine***

Dr. Takahashi received a BA from Reed College in Molecular Biology and Fine Arts in 1997. She then attended medical school at Tokai University, School of Medicine (Isehara, Japan), and obtained her MD in 2002. After residency at the Japanese Red Cross Hospital and the University of Tokyo Hospital, Department of Obstetrics and Gynecology, she studied at the University of Tokyo, Graduate School of Medicine in both the Department of Obstetrics and Gynecology, and the Center for Biomedical Ethics and Law. She received her PhD in 2010 and was the first physician in Japan to receive a PhD in Ethics. Her dissertation

was on the decision-making process of fate of frozen embryos for infertile women in Japan, focusing on the cultural implications on how embryos are perceived. In addition, after the great eastern earthquake in 2011 in Japan, she has been involved in disaster medical ethics. Her works have been published in BMC Medical Ethics, Lancet, and BMJ, and she has given lectures at the University of Tokyo. She taught at the Sherwin B. Nuland Summer Institute in Bioethics last year and is a Summer Institute alum from 2017.

## ***Benjamin Tolchin***



### ***Assistant Professor at Yale Medical School***

Dr. Tolchin is a neurologist and epileptologist with clinical and research interests in psychogenic nonepileptic seizures (PNES) and other functional neurological disorders. He is committed to raising awareness of these common and highly disabling conditions and to improving access to treatment for patients. His research focuses on using motivational interviewing, smart phone apps, and other novel technologies to improve treatment adherence and outcomes for patients with PNES and with epilepsy.

Dr. Tolchin completed medical school at Harvard University, internship at NYU Medical Center, and neurology residency at Columbia University Medical Center. He finished fellowships in clinical neurophysiology and epilepsy at Brigham and Women's Hospital/Harvard Medical School. His research has been supported by a Practice Research Training Fellowship from the American Academy of Neurology and a Veterans Administration VISN1 Career Development Award. Dr. Tolchin has been recognized with Young Investigator awards from the American Clinical Neurophysiology Society and the American Epilepsy Society, the Rebecca Goldberg Kaufman Honor from the American Epilepsy Society, and the Emerging Leaders Fellowship from the American Academy of Neurology. He serves on the American Academy of Neurology's Guidelines Subcommittee and Ethics, Law, and Humanities Committee.

