

## CURRICULUM VITAE

### BIOGRAPHICAL

Name: Douglas Blakemore White, MD, MAS

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Pittsburgh, PA 15238      Citizenship: United States

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3550 Terrace Street  
Pittsburgh, PA 15261

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### EDUCATION AND TRAINING

#### UNDERGRADUATE:

1991 – 1995      Dartmouth College  
Hanover, NH      B.A., English Literature

#### GRADUATE:

1995 – 1999      University of California, San Francisco  
San Francisco, CA      M.D.

2004 – 2006      University of California, San Francisco  
San Francisco, CA      M.A.S., Epidemiology & Biostatistics

#### POSTGRADUATE:

2000 – 2002      University of California, San Francisco  
San Francisco, CA      Residency, Internal Medicine

2002 – 2005      University of California, San Francisco  
San Francisco, CA      Fellowship, Pulmonary & Critical Care

2005 – 2007      University of California, San Francisco  
San Francisco, CA      Fellowship, Clinical Ethics

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### APPOINTMENTS AND POSITIONS

#### ACADEMIC:

2016 – Present      University of Pittsburgh  
School of Medicine  
Department of Critical Care Medicine      Professor with tenure

2016 – Present      University of Pittsburgh  
School of Medicine  
Department of Critical Care Medicine      Vice Chair, Faculty Development

2016-present	University of Pittsburgh School of Medicine Department of Medicine	Professor with tenure (secondary appointment)
2016-present	University of Pittsburgh School of Medicine Clinical and Translational Science Institute	Professor with tenure (secondary appointment)
2015 – Present	UPMC Health System	Co-Chair, Ethics Committee, UPMC Presbyterian-Shadyside
2013- Present	University of Pittsburgh School of Medicine	UPMC Endowed Chair for Ethics in Critical Care Medicine
2012 – 2016	University of Pittsburgh School of Medicine Department of Critical Care Medicine	Associate Professor with tenure
2012 –2016	University of Pittsburgh School of Medicine Department of Medicine	Associate Professor (secondary appointment)
2011 – 2016	University of Pittsburgh Clinical and Translational Science Institute	Associate Professor (secondary appointment)
2009 – Present	University of Pittsburgh Department of Critical Care Medicine	Director, Program on Ethics and Decision Making in Critical Illness
2009 – Present	University of Pittsburgh Center for Bioethics and Health Law	Core Faculty
2009 – 2012	University of Pittsburgh School of Medicine Department of Critical Care Medicine	Visiting Associate Professor
2005 – 2009	University of California, San Francisco School of Medicine San Francisco, CA	Assistant Professor Department of Medicine
2007 – 2009	University of California, San Francisco San Francisco, CA	Director, UCSF Clinical Ethics Core
2005 – 2009	University of California, San Francisco San Francisco, CA	Investigator, Program in Medical Ethics

#### OTHER APPOINTMENTS

2004-2006	California Pacific Medical Center	Hospitalist
2002-2005	San Mateo Medical Center	Hospitalist

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#### **CERTIFICATION AND LICENSURE**

CERTIFICATIONS: American Board of Internal Medicine  
Sub-board of Critical Care Medicine  
November 8, 2006, October 6, 2016

American Board of Internal Medicine  
Sub-board of Pulmonary Medicine  
November 15, 2005

American Board of Internal Medicine  
June 19, 2003

MEDICAL LICENSURE

Pennsylvania Medical License  
Expiration: 12/31/2022

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**MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES**

American Thoracic Society	Member	2003-present
Society for Critical Care Medicine	Member	2003-present
Society for Medical Decision-Making	Member	2005-present
American Society of Bioethics and Humanities	Member	2006-present

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**HONORS AND AWARDS**

Rufus Choate Scholar	Dartmouth College	1994, 1995
Phi Beta Kappa Honor Society	Dartmouth College	1995
Summa Cum Laude	Dartmouth College	1995
Expedition Medical Officer, 1998 American Mt Everest Expedition		1998
Alpha Omega Alpha Honor Society	UCSF	1999
Lee Lusted Prize for Outstanding Mentored Research	Society for Medical Decision Making	2006
Award for Outstanding Ethics Research	Society for Critical Care Medicine	2008
Greenwall Foundation Faculty Scholar Award in Bioethics	Greenwall Foundation	2008
Paul B. Beeson Career Development Award in Aging Reseach, Starr Foundation, Atlantic Philanthropies	NIA American Federation for Aging Research (AFAR)	2008
Reza Gandjei Lectureship in Bioethics	UCSF School of Medicine	2009
Theodore Badger Memorial Lecture	American Lung Association of New England	2011
John Zinn Memorial Lecture	Connecticut Thoracic Society	2011
Grenvik Family Award for Ethics	Society for Critical Care Medicine	2012
UPMC Endowed Chair of Ethics in Critical Care Medicine	University of Pittsburgh	2012

Standing Member, NIH Societal and Ethical Issues in Research (SEIR) Study Section	National Institutes of Health	2013
Goldstein Lectureship	University of Toronto	2013
Shallenberger Lectureship	Johns Hopkins University	2014
Peterson Lectureship	University of Wisconsin	2015
Chair- NIH Societal and Ethical Issues In Research (SEIR) study section	National Institute of Health	2015
Distinguished Research Mentor Award	University of Pittsburgh School of Medicine Institute for Clinical Research	2015
Elected to American Society of Clinical Investigation	American Society of Clinical Investigation	2017
Elected as Chair- Tenured Faculty Promotions and Appointments (TFPA) committee	University of Pittsburgh School of Medicine	2017
Goldman-Berland lectureship	Providence Center for Health Care Ethics Portland, OR	2018
Co-chair, Improving Patient Outcomes Through Effective Caregiver-Clinician Communication and Relationships	National Academy of Sciences Washington, DC	2018

## **PUBLICATIONS**

### **Peer Reviewed:**

1. **White DB**, Schneider J, Hoffman K, et al. Association between carotid artery bifurcation disease and risk factors for atherosclerosis. *Vasc Endovascular Surg*. 1996 Nov; 30(6):495-502. <https://doi.org/10.1177/153857449603000610>.
2. **White DB**, Curtis JR, Lo B, Luce JM. Decisions to limit life-sustaining treatment for critically ill patients who lack both decision-making capacity and surrogate decision-makers. *Crit Care Med*. 2006 Aug;34(8):2053-9. doi: 10.1097/01.CCM.0000227654.38708.C1. PMID: 16763515.
3. **White DB**, Braddock CH, Berkneye S, Curtis JR. Toward shared decision making at the end of life in intensive care united: opportunities for improvement. *Arch Intern Med*. 2007 Mar 12;167(5):461-7. doi: 10.1001/archinte.167.5.461. PMID: 17353493.
4. **White DB**, Engelberg RA, Wenrich MD, Lo B, Curtis JR. Prognostication during physician-family discussions about limiting life support in intensive care units. *Crit Care Med*. 2007 Feb;35(2):442-8. doi: 10.1097/01.CCM.0000254723.28270.14. PMID: 17205000.
5. Curtis JR, Cook DJ, Sinuff T, **White DB**, Hill N, Keenan SP, Benditt JO, Kacmarek R, Kirchoff KT, Levy MM; the Society of Critical Care Medicine Palliative Noninvasive Positive Pressure Ventilation Task Force. Noninvasive positive pressure ventilation in critical and palliative care settings: understanding the goals of therapy. *Crit Care Med*. 2007 Mar;35(3):932-9. doi: 10.1097/01.CCM.0000256725.73993.74. PMID: 17255876.
6. Luce JM, **White DB**. The pressure to withhold or withdraw life-sustaining therapy from critically ill patients in the United States. *Am J Respir Crit Care Med*. 2007 Jun 1;175(11):1104-8. doi: 10.1164/rccm.200609-1397CP. Epub 2007 Mar 22. PMID: 17379853; PMCID: PMC2176087.

7. **White DB**, Curtis JR, Wolf LE, Prendergast TJ, Taichman DB, Kuniyoshi G, Acerra F, Lo B, Luce JM. Life support for patients without a surrogate decision maker: who decides? *Ann Intern Med.* 2007 Jul 3;147(1):34-40. doi: 10.7326/0003-4819-147-1-200707030-00006. PMID: 17606959.
8. Selph RB, Shiang J, Engelberg RA, Curtis JR, **White DB**. Empathy and life support decisions in intensive care units. *J Gen Intern Med.* 2008 Sep;23(9):1311-7. doi: 10.1007/s11606-008-0643-8. PMID: 18574641; PMCID: PMC2517995.
9. Zier LS, Burack JH, Micco G, Chipman A, Frank JA, Luce JM, **White DB**. Doubt and belief in physicians' ability to prognosticate during critical illness: the perspective of surrogate decision makers. *Crit Care Med.* 2008 Aug;36(8):2341-7. doi: 10.1097/CCM.0b013e318180ddf9. PMID: 18596630; PMCID: PMC2628287.
10. Curtis JR, **White DB**. Practical guidance for evidence-based ICU family conferences. *Chest.* 2008 Oct;134(4):835-43. doi: 10.1378/chest.08-0235. PMID: 18842916; PMCID: PMC2628462.
11. Apatira L, Boyd EA, Malvar G, Luce J, Lo, B, **White DB**. Hope, truth, and preparing for death in intensive care units. *Ann Intern Med.* 2008 Dec 16;149(12):861-8. doi: 10.7326/0003-4819-149-12-200812160-00005. PMID: 19075205; PMCID: PMC2622736.
12. Evans L, Boyd EA, Apatira L, Malvar G, Luce J, Lo, B, **White DB**. Surrogate decision-makers' perspectives on discussing prognosis in the face of uncertainty. *Am J Respir Crit Care Med.* 2009 Jan 1;179(1):48-53. doi: 10.1164/rccm.200806-969OC. Epub 2008 Oct 17. PMID: 18931332; PMCID: PMC2615661.
13. **White DB**, Katz M, Luce JM, Lo B. Who should receive life support during a public health emergency? Using ethical principles to improve allocation decisions. *Ann Intern Med.* 2009 Jan 20;150(2):132-8. doi: 10.7326/0003-4819-150-2-200901200-00011. PMID: 19153413; PMCID: PMC2629638.
14. Luce JM, **White DB**. A history of ethics and law in the intensive care unit. *Crit Care Clin.* 2009 Jan;25(1):221-37, x. doi: 10.1016/j.ccc.2008.10.002. PMID: 19268804; PMCID: PMC2679963.
15. Hemphill JC 3rd, **White DB**. Clinical nihilism in neuroemergencies. *Emerg Med Clin North Am.* 2009 Feb;27(1):27-37, vii-viii. doi: 10.1016/j.emc.2008.08.009. PMID: 19218017; PMCID: PMC2676162.
16. Zier LS, Burack JH, Micco G, Chipman A, Frank JA, Luce JM, **White DB**. Surrogate decision-makers' responses to physicians' predictions of medical futility. *Chest.* 2009 Jul;136(1):110-117. doi: 10.1378/chest.08-2753. Epub 2009 Mar 24. PMID: 19318665; PMCID: PMC2716715.
17. **White DB**, Evans L, Bautista C, Luce JM, Lo B. Are physicians' recommendations to limit life support beneficial or burdensome? Bringing empirical data to the debate. *Am J Respir Crit Care Med.* 2009 Aug 15;180(4):320-5. doi: 10.1164/rccm.200811-1776OC. Epub 2009 Jun 4. PMID: 19498057; PMCID: PMC2731809.
18. Cox CE, Docherty SL, Brandon DH, Whaley C, Attix DK, Clay AS, Dore DV, Hough CL, White **DB**, Tulsky JA. Surviving critical illness: acute respiratory distress syndrome as experienced by patients and their caregivers. *Crit Care Med.* 2009 Oct;37(10):2702-8. doi: 10.1097/CCM.0b013e3181b6f64a. PMID: 19865004; PMCID: PMC2771584.
19. **White DB**, Engelberg RA, Wenrich MD, Lo B, Curtis JR. The language of prognostication in intensive care units. *Med Decis Making.* 2010 Jan-Feb;30(1):76-83. doi: 10.1177/0272989X08317012. Epub 2008 Aug 27. PMID: 18753685; PMCID: PMC2812635.
20. **White DB**, Karr JK, Malvar G, Lo B, Curtis JR. Expanding the paradigm of the physician's role in surrogate decision making: an empirically-derived framework. *Crit Care Med.* 2010 Mar;38(3):743-50. doi: 10.1097/CCM.0b013e3181c58842. PMID: 20029347; PMCID: PMC3530842.
21. McAdam, JM, Dracup, KA, **White, DB**, Fontaine, DK, Puntillo, KA. Symptom experiences of family members of intensive care unit patients at high risk of dying. *Crit Care Med.* 2010 Apr;38(4):1078-85. doi: 10.1097/CCM.0b013e3181cf6d94. PMID: 20124890.
22. Bernat JL, Capron AM, Bleck TP, Blosser S, Bratton SL, Childress JF, DeVita MA, Fulda GF, Gries CJ,

Mathur M, Nakagawa TA, Rushton CH, Shemie SD, **White DB**. The circulatory-respiratory determination of death in organ donation. *Crit Care Med*. 2010 Mar;38(3):963-70. doi: 10.1097/CCM.0b013e3181c58916. PMID: 2012489

23. Boyd EA, Lo B, Evans LR, Malvar G, Apatira L, Luce JM, **White DB**. "It's not just what the doctor tells me." Factors that influence surrogate decision-makers' perceptions of prognosis. *Crit Care Med*. 2010 May;38(5):1270-5. doi: 10.1097/CCM.0b013e3181d8a217. PMID: 20228686; PMCID: PMC3530838.
24. Zahuranec DB, Morgenstern LB, Sánchez BN, Resnicow K, **White DB**, Hemphill JC 3rd. Do-not-resuscitate orders and predictive models after intracerebral hemorrhage. *Neurology*. 2010 Aug 17;75(7):626-33. doi: 10.1212/WNL.0b013e3181ed9cc9. Epub 2010 Jul 7. PMID: 20610832; PMCID: PMC2931769.
25. Daugherty EL, **White DB**. Conducting clinical research during disasters. *Virtual Mentor*. 2010 Sep 1;12(9):701-5. doi: 10.1001/virtualmentor.2010.12.9.ccas1-1009. PMID: 23186873.
26. Yeow, M-E, Mehta RS, **White DB**, Szmulowicz E. Using noninvasive ventilation at the end of life. *J Palliat Med*. 2010 Sep;13(9):1149-50. doi: 10.1089/jpm.2010.9788. PMID: 20836641.
27. Lee Char SJ, Evans LR, Malvar GL, **White DB**. A randomized trial of two methods to disclose prognosis to surrogate decision makers in intensive care units. *Am J Respir Crit Care Med*. 2010 Oct 1;182(7):905-9. doi: 10.1164/rccm.201002-0262OC. Epub 2010 Jun 10. PMID: 20538959; PMCID: PMC2970862.
28. Anderson WG, Winters K, Arnold RM, Puntillo KA, **White DB**, Auerbach AD. Studying physician-patient communication in the hospital setting: The hospitalist rapport study. *Patient Educ Couns*. 2011 Feb;82(2):275-9. doi: 10.1016/j.pec.2010.04.015. Epub 2010 May 4. PMID: 20444569; PMCID: PMC3025053.
29. Johnson SK, Bautista CA, Hong S, Weissfeld L, **White DB**. An empirical study of surrogates' preferred level of control over value-laden life support decisions in intensive care units. *Am J Respir Crit Care Med*. 2011 Apr 1;183(7):915-21. doi: 10.1164/rccm.201008-1214OC. Epub 2010 Oct 29. PMID: 21037019; PMCID: PMC3086756.
30. **White DB**. Rethinking interventions to improve surrogate decision making in ICUs. *Am J Crit Care*. 2011 May;20(3):252-7. doi: 10.4037/ajcc2011106. PMID: 21532046; PMCID: PMC3530846.
31. **White DB**, Brody B. Would accommodating some conscientious objections by physicians promote quality in medical care? *JAMA*. 2011 May 4;305(17):1804-5. doi: 10.1001/jama.2011.575. PMID: 21540425.
32. Schenker Y, **White DB**, Asch DA, Kahn JM. Health care system distrust in the intensive care unit. *J Crit Care*. 2012 Feb;27(1):3-10. doi: 10.1016/j.jcrc.2011.04.006. Epub 2011 Jun 28. PMID: 21715134; PMCID: PMC3184334.
33. Dainiak N, Gent RN, Carr Z, Schneider R, Bader J, Buglova E, Chao N, Coleman N, Ganser A, Gorin C, Hauer-Jensen M, Huff LA, Lillis-Hearne P, Maekawa K, Nemhauser J, Powles R, Schunemann H, Shapiro A, Stenke L, Valverde N, Weinstock D, **White D**, Albanese J, Meineke V. Literature review and global consensus on management of acute radiation syndrome affecting nonhematopoietic organ systems. *Disaster Med Public Health Prep*. 2011 Oct;5(3):183-201. doi: 10.1001/dmp.2011.73. Epub 2011 Oct 10. PMID: 21986999; PMCID: PMC3638239.
34. Dainiak N, Gent RN, Carr Z, Schneider R, Bader J, Buglova E, Chao N, Coleman N, Ganser A, Gorin C, Hauer-Jensen M, Huff LA, Lillis-Hearne P, Maekawa K, Nemhauser J, Powles R, Schunemann H, Shapiro A, Stenke L, Valverde N, Weinstock D, **White D**, Albanese J, Meineke V. First global consensus for evidence-based management of the hematopoietic syndrome resulting from exposure to ionizing radiation. *Disaster Med Public Health Prep*. 2011 Oct;5(3):202-12. doi: 10.1001/dmp.2011.68. Epub 2011 Oct 10. PMID: 21987000; PMCID: PMC3643115.
35. Scheunemann L, **White DB**. The ethics and reality of rationing in medicine. *Chest*. 2011 Dec;140(6):1625-1632. doi: 10.1378/chest.11-0622. PMID: 22147821; PMCID: PMC3415127.

36. Evans TW, Nava S, Mata GV, Guidet B, Estenssoro E, Fowler R, Scheunemann L, White D, Manthous CA. Critical care rationing: International comparisons. *Chest*. 2011 Dec;140(6):1618-1624. doi: 10.1378/chest.11-0957. PMID: 22147820.
37. **White DB**, Pope TM. The courts, futility, and the ends of medicine. *JAMA*. 2012 Jan 11;307(2):151-2. doi: 10.1001/jama.2011.1990. PMID: 22235083; PMCID: PMC3530837.
38. Truog RD, Brock DW, **White DB**. Should patients receive general anesthesia prior to extubation at the end of life? *Crit Care Med*. 2012 Feb;40(2):631-3. doi: 10.1097/CCM.0b013e3182413b8a. PMID: 22249031.
39. Zier LS, Sottile PD, Hong SY, Weissfeld LA, **White DB**. Surrogate decision makers' interpretation of prognostic information: a mixed-methods study. *Ann Intern Med*. 2012 Mar 6;156(5):360-6. doi: 10.7326/0003-4819-156-5-201203060-00008. PMID: 22393131; PMCID: PMC353084
40. Carson SS, Kahn JM, Hough CL, Seeley EJ, **White DB**, Douglas IS, Cox CE, Caldwell E, Bangdiwala S, Garrett J, Rubenfeld G; for the ProVent Investigators. A multicenter mortality prediction model for patients receiving prolonged mechanical ventilation. *Crit Care Med*. 2012 Apr;40(4):1171-6. doi: 10.1097/CCM.0b013e3182387d43. PMID: 22080643; PMCID: PMC3395423.
41. **White DB**, Jonsen A, Lo B. Ethical challenge: when clinicians act as surrogates for unrepresented patients. *Am J Crit Care*. 2012 May;21(3):202-7. doi: 10.4037/AJCC2012514. PMID: 22549577.
42. Karir, V, Kahn, J, **White DB**. Using principles of behavioral economics to mitigate drug shortages. *Am J Respir Crit Care Med*. 2012 Jun 1;185(11):1135-7. doi: 10.1164/rccm.201202-0270ED. PMID: 22661517.
43. Cox CE, Porter LS, Hough CL, **White DB**, Kahn JM, Carson SS, Tulskey JA, Keefe FJ. Development and preliminary evaluation of a telephone-based coping skills training intervention for survivors of acute lung injury and their informal caregivers. *Intensive Care Med*. 2012 Aug;38(8):1289-97. doi: 10.1007/s00134-012-2567-3. Epub 2012 Apr 18. PMID: 22527082; PMCID: PMC3535183.
44. Majesko A, Hong SY, Weissfeld L, **White DB**. Identifying family members who may struggle in the role of surrogate decision maker. *Crit Care Med*. 2012 Aug;40(8):2281-6. doi: 10.1097/CCM.0b013e3182533317. PMID: 22809903; PMCID: PMC3530841.
45. Cox CE, Lewis CL, Hanson LC, Hough CL, Kahn JM, **White DB**, Song MK, Tulskey JA, Carson SS. Development and pilot testing of a decision aid for surrogates of patients with prolonged mechanical ventilation. *Crit Care Med*. 2012 Aug;40(8):2327-34. doi: 10.1097/CCM.0b013e3182536a63. PMID: 22635048; PMCID: PMC3826165.
46. Schuster RA, Hong SE, Arnold RM, **White DB**. Do physicians disclose uncertainty when discussing prognosis in grave critical illness? *Narrat Inq Bioeth*. 2012 Fall;2(2):125-35. doi: 10.1353/nib.2012.0033. PMID: 24406834; PMCID: PMC4132874.
47. Scheunemann LP, **White DB**. The physician as rationer: uncertainty about the physician's role obligations. *Semin Respir Crit Care Med*. 2012 Aug;33(4):421-6. doi: 10.1055/s-0032-1322412. Epub 2012 Aug 8. PMID: 22875389.
48. Scheunemann LP, Arnold RM, **White DB**. The facilitated values history: helping surrogates make authentic decisions for incapacitated patients with advanced illness. *Am J Respir Crit Care Med*. 2012 Sep 15;186(6):480-6. doi: 10.1164/rccm.201204-0710CP. Epub 2012 Jul 19. PMID: 22822020; PMCID: PMC3480534.
49. **White DB**, Wicclair M. Limits on clinicians' discretion to unilaterally refuse treatment. *Am J Crit Care*. 2012 Sep;21(5):361-4. doi: 10.4037/ajcc2012603. PMID: 22941710.
50. Schenker Y, Tiver GA, Hong SY, **White DB**. Association between physicians' beliefs and the option of comfort care for critically ill patients. *Intensive Care Med*. 2012 Oct;38(10):1607-15. doi: 10.1007/s00134-012-2671-4. Epub 2012 Aug 11. PMID: 22885651; PMCID: PMC3470837.

51. **White DB**, Cua SM, Walk R, Pollice L, Weissfeld L, Hong SE, Landefeld CS, Arnold R,. Nurse-led intervention to improve surrogate decision making for patients with advanced critical illness. *Am J Crit Care*. 2012 Nov;21(6):396-409. doi: 10.4037/ajcc2012223. PMID: 23117903; PMCID: PMC3547494.
52. McAdam J, Dracup K, **White D**, Fontaine D, Puntillo K. Psychological symptoms of family members of high risk intensive care unit patients. *Am J Crit Care*. 2012 Nov;21(6):386-93; quiz 394. doi: 10.4037/ajcc2012582. PMID: 23117902.
53. Schenker Y, Crowley-Matoka M, Dohan D, Tiver GA, Arnold RM, **White DB**. I don't want to be the one saying 'we should just let him die': intrapersonal tensions experienced by surrogate decision makers in the ICU. *J Gen Intern Med*. 2012 Dec;27(12):1657-65. doi: 10.1007/s11606-012-2129-y. Epub 2012 Jul 28. PMID: 23011253; PMCID: PMC3509291.
54. Schenker Y, **White DB**, Crowley-Matoka M, Dohan D, Tiver GA, Arnold RM. "It hurts to know . . . and it helps": exploring how surrogates in the ICU cope with prognostic information. *J Palliat Med*. 2013 Mar;16(3):243-9. doi: 10.1089/jpm.2012.0331. Epub 2013 Jan 31. PMID: 23368978; PMCID: PMC3583249.
55. Gries CJ, Dew MA, Curtis JR, Edelman JD, DeVito-Dabbs A, Pilewski JM, Goss CH, Mulligan MS, **White DB**. Nature and correlates of post-traumatic stress symptomatology in lung transplant recipients. *J Heart Lung Transplant*. 2013 May;32(5):525-32. doi: 10.1016/j.healun.2013.01.1046. PMID: 23570741; PMCID: PMC4499325.
56. **White DB**, Ernecoff N, Billings JA, Arnold R. Is dying in an ICU a sign of poor quality end-of-life care? *Am J Crit Care*. 2013 May;22(3):263-6. doi: 10.4037/ajcc2013604. PMID: 23635937.
57. Uy J, **White DB**, Mohan D, Arnold RM, Barnato AE. Physicians' decision-making roles for an acutely unstable critically and terminally ill elder. *Crit Care Med*. 2013 Jun;41(6):1511-7. doi: 10.1097/CCM.0b013e318287f0dd. PMID: 23552510; PMCID: PMC3897263.
58. Smith AK, **White DB**, Arnold RM. Uncertainty—the other side of prognosis. *N Engl J Med*. 2013 Jun 27;368(26):2448-50. doi: 10.1056/NEJMp1303295. PMID: 23802514; PMCID: PMC3760713.
59. Gries CJ, **White DB**, Truog RD, Dubois J, Cosio CC, Dhanani S, Chan KM, Corris P, Dark J, Fulda G, Glazier AK, Higgins R, Love R, Mason DP, Nakagawa TA, Shapiro R, Shemie S, Tracy MF, Travaline JM, Valapour M, West L, Zaas D, Halpern SD. American Thoracic Society Health Policy Committee. An official American thoracic society/international society for heart and lung transplantation/society of critical care medicine/association of organ and procurement organization/united network of organ sharing statement: ethical and policy considerations in organ donation after circulatory determination of death. *Am J Respir Crit Care Med*. 2013 Jul 1;188(1):103-9. doi: 10.1164/rccm.201304-0714ST. PMID: 23815722.
60. Schenker Y, Tiver GA, Hong SY, **White DB**. Discussion of treatment trials in intensive care. *J Crit Care*. 2013 Oct;28(5):862-9. doi: 10.1016/j.jcrc.2013.04.015. Epub 2013 Jun 13. PMID: 23768446; PMCID: PMC3770796.
61. Mularski RA, Reinke LF, Carrieri-Kohlman V, Fischer MD, Campbell ML, Rocker G, Schneidman A, Jacobs SS, Arnold R, Benditt JO, Booth S, Byock I, Chan GK, Curtis JR, Donesky D, Hansen-Flaschen J, Heffner J, Klein R, Limberg TM, Manning HL, Morrison RS, Ries AL, Schmidt GA, Selecky PA, Truog RD, Wang AC, **White DB**, ATS Ad Hoc Committee on Palliative Management of Dyspnea Crisis. An official American Thoracic Society workshop report: assessment and palliative management of dyspnea crisis. *Ann Am Thorac Soc*. 2013 Oct;10(5):S98-106. doi: 10.1513/AnnalsATS.201306-169ST. PMID: 24161068.
62. Maciasz RM, Arnold RM, Chu E, Park SY, **White DB**, Vater LB, Schenker Y. Does it matter what you call it? A randomized trial of language used to describe palliative care services. *Support Care Cancer*. 2013 Dec;21(12):3411-9. doi: 10.1007/s00520-013-1919-z. Epub 2013 Aug 14. PMID: 23942596; PMCID: PMC3823760.
63. Schenker Y, Crowley-Matoka M, Dohan D, Rabow M, Smith C, **White DB**, Chu E, Tiver GA, Einhorn S, Arnold RM. Oncologist factors that influence referral to subspecialty palliative care clinics. *J Oncol Pract*. 2014 Mar;10(2):e37-44. doi: 10.1200/JOP.2013.001130. Epub 2013 Dec 3. PMID: 24301842; PMCID: PMC3948709.



64. Schuster R, Hong SH, Arnold RM, **White DB**. Investigating conflict in ICUs - Is the clinicians' perspective enough? *Crit Care Med*. 2014 Feb;42(2):328-35. doi: 10.1097/CCM.0b013e3182a27598. PMID: 24434440; PMCID: PMC3902111.
65. Daugherty EL, Gwon H, Schoch-Spana M, Cavalier R, **White DB**, Dawson T, Terry PB, London AJ, Regenberg A, Faden R, Toner ES. The community speaks: understanding ethical values in allocation of scarce lifesaving resources during disasters. *Ann Am Thorac Soc*. 2014 Jun;11(5):777-83. doi: 10.1513/AnnalsATS.201310-379OC. PMID: 24762135.
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153. White DB, Bernard Lo. Promoting Equity with a Multi-principle Framework to Allocate Scarce ICU Resources. *Journal of Medical Ethics*. In Press.
154. Callahan ME, Brant EB, Mohan D, Norman MK, Arnold RM, **White DB**. Leveraging technology to overcome the 'scalability problem' in communication skills training courses. *ATS Scholar*. In Press.
155. Chelen J, **White DB**, Zaza S., Perry AN, Feifer DS, Crawford ML, and Barnato AE. US Ventilator Allocation and Patient Triage Policies in Anticipation of the COVID-19 Surge. *Health Security*. In Press.

## Editorials, Reviews, and Book Chapters

1. **White DB**. Autonomic cardiac regulation during acute and chronic hypoxia as assessed by spectral analysis of heart rate variability. In: Houston CS, Coates G, eds. *Hypoxia*. Burlington, VT: Queen City Printers; 1997, p. 124-33.
2. **White DB**, Luce JM. Palliative care in the intensive care unit: barriers, advances, and unmet needs. *Crit Care Clin*. 2004 Jul;20(3):329-43, vii. doi: 10.1016/j.ccc.2004.03.003. PMID: 15183206.
3. **White DB**, Curtis JR. Care near the end of life in critically ill patients: a North American perspective. *Curr Opin Crit Care*. 2005 Dec;11(6):610-5. doi: 10.1097/01.ccx.0000184301.76007.70. PMID: 16292069.
4. **White DB**, Curtis JR. Establishing an evidence base for physician-family communication and shared decision-making in intensive care units. *Crit Care Med*. 2006 Sep;34(9):2500-1. doi: 10.1097/01.CCM.0000230241.17151.E8. PMID: 16921327.
5. Lo B, **White DB**. Intensive care unit triage during an influenza pandemic: The need for specific clinical guidelines. In: Lemon SM, Hamburg MA, Sparling F, Choffnes ER, Mack A, eds. *Ethical and Legal Considerations in Mitigating Pandemic Disease*. Washington, DC: National Academies Press; 2007, p. 192-7.
6. Luce JM, **White DB**. Care at the end of life for patients with respiratory failure. In Mason R, Broaddus VC, King T, Schraufnagel D, Martin TR, Murray JF, Nadel J, eds. *Murray and Nadel's Textbook of Respiratory Medicine, 5th ed*. Philadelphia, Elsevier/Saunders. 2010, p. 2160-79.
7. **White DB**, Angus D. Preparing for the sickest patients with 2009 influenza A (H1N1). *JAMA*. 2009 Nov 4;302(17):1905-6. doi: 10.1001/jama.2009.1539. Epub 2009 Oct 12. PMID: 19822629.
8. **White DB**. Ethics and end of life care of the critically care patient. In: American Thoracic Society, eds. *Clinical Year in Review Bibliography*. New York, NY, 2010, p. 52-55.
9. **White DB**, Arnold RM. The evolution of advance directives. *JAMA*. 2011 Oct 5;306(13):1485-6. doi: 10.1001/jama.2011.1430. PMID: 21972313
10. Asher NR, **White DB**. Quality in quality improvement research - a new benchmark. *Crit Care*. 2011;15(6):316. doi: 10.1186/cc10582. Epub 2011 Dec 9. PMID: 22152161; PMCID: PMC3388631.
11. Pope TM, **White DB**. Patient Rights. In: Webb AJ, Shapiro MJ, Singer M, Suter PM, eds. *Oxford Textbook of Critical Care, 2<sup>nd</sup> ed*. New York, Oxford University Press. *In press*
12. Manthous CA, **White DB**, Carson SS. The brave new world revealed: wrestling with reality, rationing, and rationality. *Semin Respir Crit Care Med*. 2012 Aug;33(4):427-30. doi: 10.1055/s-0032-1322413. Epub 2012 Aug 8. PMID: 22875390.
13. Manthous CA, **White DB**, Carson SS. Intersection of outcomes, ethics, and economics in critical care. *Semin Respir Crit Care Med*. 2012 Aug;33(4):325. doi: 10.1055/s-0032-1322409. Epub 2012 Aug 8. PMID:22875377.
14. Truog R, **White DB**. Futile treatments in intensive care units. *JAMA Intern Med*. 2013 Nov 11;173(20):1894-5. doi: 10.1001/jamainternmed.2013.7098. PMID: 24018420.
15. Schenker Y, **White DB**, Arnold RM. What should be the goal of advanced care planning? *JAMA Intern Med*. 2014 Jul;174(7):1093-4. doi: 10.1001/jamainternmed.2014.1887. PMID: 24861458.
16. Pope TM, **White DB**. Medical futility and Potentially Inappropriate Treatment. In: Youngner S, Arnold R, eds. *Oxford Handbook of Ethics at the End of Life*. New York, Oxford University Press. 2015 Sept 15.
17. Hayes M, Turnbull A, Zaeh S, **White DB**, Bosslet G, Wilson K, Thomson C. Responding to Requests for Potentially Inappropriate Treatments in Intensive Care Units. *Am J Respir Crit Care Med*. 2015 Jun 1;191(11):1318-30. doi: 10.1164/rccm.201505-0924ST. PMID: 25978438.



18. Hayes MM, Turnbull AE, Zaeh S, **White DB**, Bosslet GT, Wilson KC, Thomson CC. Responding to Requests for Potentially Inappropriate Treatments in Intensive Care Units. *Ann Am Thorac Soc*. 2015 Nov;12(11):1697-9. doi: 10.1513/AnnalsATS.201508-565CME. PMID: 26540420.
19. Ernecoff NC, Curlin FA, **White DB**. Spiritual care providers and goals-of-care discussions-Reply. *JAMA Intern Med*. 2016 Feb;176(2):279. doi: 10.1001/jamainternmed.2015.7893. PMID: 26830239.
20. Bosslet GT, **White DB**, Curtis JR. Reply: Neurocritical care society views on "Potentially inappropriate treatments in intensive care units." *Am J Respir Crit Care Med*. 2016 Feb 15;193(4):467-8. doi: 10.1164/rccm.201511-2251LE. PMID: 26871675.
21. Daugherty EL, **White DB**. Interpreting and applying evidence in critical care medicine. In Hall JB, Schmidt GA, Wood LDH, eds. *Principles of Critical Care*, 4<sup>th</sup> ed. New York, NY McGraw-Hill. 2016 May 26.
22. **White DB**. Strategies to support surrogate decision makers of patients with chronic critical illness: the search continues. *JAMA*. 2016 Jul 5;316(1):35-7. doi: 10.1001/jama.2016.8691. PMID: 27380340.
23. Seaman JB, Cohen TR, **White DB**. Reducing the stress on clinicians working in the ICU. *JAMA*. 2018 Nov 20;320(19):1981-1982. doi: 10.1001/jama.2018.14285. PMID: 30357376.
24. **White DB**. Care at the end of life for patients with respiratory failure. In Mason R, Broaddus VC, King T, Schraufnagel D, Martin TR, Murray JF, Nadel J, eds. *Murray and Nadel's Textbook of Respiratory Medicine*, 6th ed. Philadelphia, Elsevier/Saunders. *In press*.

### Books and Online Resources

1. Manthous CA, **White DB**, Carson SS. Intersection of outcomes, ethics, and economics in critical care. *Semin Respir Crit Care Med*. 2012 Aug;33(4):325. doi: 10.1055/s-0032-1322409. Epub 2012 Aug 8. PMID: 22875377.
2. **White DB**. Withholding and withdrawing ventilator support in adults in the intensive care unit. In: UpToDate, Post TW (Ed), UpToDate, Waltham, MA.
3. **White DB**. Ethics in the intensive care unit: Responding to requests for potentially inappropriate therapies in adults. In: UpToDate, Post TW (Ed), UpToDate, Waltham, MA.
4. **White DB**. Ethics in the intensive care unit: Informed consent. In: UpToDate, Post TW (Ed), UpToDate, Waltham, MA.

### Other Publications

1. **White DB**, Luce JM. Ethics consultation in the intensive care unit. *JAMA*. 2003; 290(24):3191-92.
2. **White DB**, Lo B, Katz M. Ethical issues and the allocation of scarce resources during a public health emergency. *Ann Intern Med*. 2009 Jan 20;150(2):132-8. doi: 10.7326/0003-4819-150-2-200901200-00011. PMID: 19153413; PMCID: PMC2629638.
3. Zier L, **White DB**. Resolving conflicts with surrogate decision makers. *Chest*. 2010; 137:239.
4. **White DB**. Distinguishing messenger from message in delivering bad news. Response to Gutierrez, Pastores, and Brown. *Am J Resp Crit Care Med*. 2010 181(8):873-4.
5. Truog RD, **White DB**. Anesthesia does not reduce suffering at the end of life. *Crit Care Med*. 2012 Jul;40(7):2268. PMID: 22710239.

White DB, Buddadhumaruk P, Arnold RM. Family Support Intervention in the ICU. *N Engl J Med*. 2018 Sep 27;379(13):1285. doi: 10.1056/NEJMc1809967. PMID: 30257157.

6. Cohen IG, Crespo A, **White DB**. Protect the Doctors and Nurses Who Are Protecting Us. New York Times. 2020 April 2; Opinion, Sect. A:25. **Available on:**  
<https://www.nytimes.com/2020/04/01/opinion/coronavirus-ventilators-doctors.html>
7. Pope TM, Cederquist L, Goodman-Crews P, White DB, Reply to: Treatment Decisions for Unrepresented Patients: ATS/AGS Policy Statement Lacks Sufficient Guidance. Am J Respir Crit Care Med. 2020 August 18; PMID: 32360728
8. **White DB**, Lo B. Reply to: Social Factors and Critical Care Triage: Right Intentions, Wrong Tools. Am J Respir Crit Care Med. 2021 Apr 19. doi: 10.1164/rccm.202103-0798LE. Epub ahead of print. PMID: 33872550.

## **PROFESSIONAL ACTIVITIES**

### **Clinical**

2005–2009	Attending physician- UCSF Adult Intensive Care Units Supervising 50-60 medical students, residents, and fellows per year
2006–2009	Attending physician- UCSF Pulmonary Clinic Supervising 3 pulmonary fellows
2007–2009	Consultant- UCSF Ethics Consultation Service Consultation regarding ethical dilemmas in patient care (inpatient and outpatient)
2009-present	Attending physician- UPMC Health System Adult Intensive Care Units Supervising 15-20 medical students, residents, and fellows per year

### **Teaching**

#### **Educational Leadership**

2007–2009	Director- Ethics Education, UCSF School of Medicine. I designed and implemented ethics education across the four years of the medical school curriculum.
2007–2009	Founder and Director- UCSF Clinical Ethics Core. The Clinical Ethics Core is composed of the leaders in ethics investigation and teaching at UCSF School of Medicine. The purpose is to promote original inquiry and high quality teaching in bioethics. The formation of the Clinical Ethics Core allows ongoing development of the faculty through a series of seminars and panels.
2009-present	Director- Ethics, Communication, and End-of-Life Care Fellowship Curriculum. University of Pittsburgh Department of Critical Care Medicine.

## **FORMAL SCHEDULED CLASSES FOR STUDENTS (since 2004)**

<b>Qtr</b>	<b>Academic Year</b>	<b>Course No. &amp; Title</b>	<b>Teaching Contribution</b>	<b>Units</b>	<b>Class Size</b>
W	2004	UCSF Respiratory Physiology- 1 <sup>st</sup> year medical students	Section leader; 3 two hour sections	2	12

F	2003-2006	UCSF Ethics Intersession 1- 2 <sup>nd</sup> year medical students	Section leader; 3 two hour sessions	1	14
S	2006-2007	UCSF Intersession 1- Advances in Medical Sciences	Section leader; 2 2-hour sessions (4 hrs prep time)	1	6
Su	2006-2007	UCSF Dept of Epi/Biostats- Designing Clinical Research Course (EPI 202)	Section leader; 2 hour session (4hrs prep time)	2	2
W	2006-2007	UCSF campus-wide course- Bioethics and Society (Med 170.01B)	Lecturer: The Role of Futility in Ethical Reasoning and Clinical Practice (1 hr session, 1 hr prep time)	1	10
S	2006-2007	UCSF CODA (Medical Students' final course at UCSF)	Lecturer: Teamwork and Multidisciplinary Collaboration in Medicine (1hr session; 2 hr prep time)	1	70
W	2006-2009	UCSF Dept of Epi/Biostats- Qualitative Research Methods (EPI 240)	Lecturer: Using Qualitative Methods to Study Ethics and Decision Making in Healthcare (2 hr session; 2 hr prep time)	1.5	20
F	2007-2009	African-American Health Disparities (170.05) UCSF School of Medicine	Lecturer: Racial Variations in End-of-life Care: Is It a Health Disparity?	1	20
W	2007-2009	Bioethics and Society (Med 170.01B) UCSF campus-wide course	Course Director	1	20
F,W, Sp	2007-2009	Bioethics & Health Law (required longitudinal ethics course for all UCSF medical students)	Course Director	Integrated course	155
W	2009	Foundations of Patient Care, UCSF School of Medicine (All 2 <sup>nd</sup> year medical students)	Panelist, "Working with Dying Patients and their Families" January 8, 2009	Integrated course	150
F	2009	Qualitative Research Methods - NUR3022 – University of Pittsburgh School of Nursing (PhD program)	Lecturer: Qualitative Description and Mixed Methods Research (November 5, 2009)	3	11
F	2009	Basic Science of Care University of Pittsburgh School of Medicine (All 2 <sup>nd</sup> year medical students)	Lecturer: Ethical Principles for Just Allocation of Scarce Healthcare Resources (December 9, 2009)	Integrated course	155

W	2011	NUR 3030 Research Development	Lecturer: Studying Surrogate Decision Making in Intensive Care Units	3	10
Sp	2011	CLRES2610 Research Methods in Palliative Care University of Pittsburgh Institute for Clinical Research Education	Lecturer: Studying surrogate decision making in the ICU	1	5
F	2011	MS-1 Ethics, Law and Professionalism	Lecturer: What are the goals of medicine near the end of life	Integrated Course	150
Sp	2012	NUR 3030: Research Development	Lecturer: Decision-Making in Critical Illness	3	9
Sp	2012	CLRES 2610: Research Methods in Palliative Care	Lecturer: Studying surrogate decision making in the ICU	1	4
Sp	2013	CLRES 2610: Research Methods in Palliative Care	Lecturer: Studying surrogate decision making in the ICU	1	4
Sp	2014	CLRES 2610: Research Methods in Palliative Care	Lecturer: Studying surrogate decision making in the ICU	1	4
Sp	2015	CLRES 2610: Research Methods in Palliative Care	Lecturer: Studying surrogate decision making in the ICU	1	6
Sp	2016	CLRES 2610: Research Methods in Palliative Care	Lecturer: Studying surrogate decision making in the ICU	1	5
Sp	2017	MSELCT 5854 X: Ethical Issues in Clinical Practice	Lecturer: End-of life conflicts	1	8
Sp	2017	CLRES 2610: Research Methods in Palliative Care	Lecturer: Studying surrogate decision making in the ICU	1	10
Sp	2018	CLRES 2610: Research Methods in Palliative Care	Lecturer: Studying surrogate decision making in the ICU	1	
Sp	2020	U of Chicago PHIL 21609/31609 Medical Ethics: Central Topics	Lecturer: Ethical Issues in Surrogate Decision Making	1.5	50
Sp	2020	U of Chicago PHIL 21609/31609 Medical Ethics: Central Topics	Lecturer: Resolving Intractable Disagreements between Clinicians and Surrogates near the End of Life	1.5	50
Sp	2020	Pitt School of Medicine Pandemics elective	Lecturer: Allocating Scarce Ventilators and ICU beds	1	65

## POSTGRADUATE AND OTHER COURSES

1. Himalayan Rescue Association, Pheriche, Nepal. "Prevention of Acute Mountain Sickness." (weekly lectures, April-June 1997)
2. Himalayan Rescue Association, Pheriche, Nepal. "High Altitude Pulmonary Edema." (weekly lectures, April-June 1997)

### **1998**

3. Grand Grounds, Department of Family Medicine, UCSF-Fresno, Fresno, CA. "High Altitude Pulmonary Edema." November 11, 1998

### **2003**

4. Pulmonary Physiology Seminar, UCSF Division of Pulmonary and Critical Care Medicine, San Francisco, CA. "Mechanisms of High Altitude Pulmonary Edema." May 9, 2003
5. Pulmonary Grand Rounds, UCSF Division of Pulmonary and Critical Care Medicine, San Francisco, CA. "Diagnosis and Treatment of High Altitude Pulmonary Edema." May 23, 2003

### **2004**

6. Student and Resident Core Lecture Series, UCSF Department of Anesthesia and Critical Care Medicine, San Francisco, CA. "Weaning from Mechanical Ventilation." April 25, 2004

### **2005**

7. Critical Care Noon Conference, San Francisco VAMC, San Francisco, CA. "Ethical Dilemmas in the ICU: Medical Futility." March 16, 2005

### **2006**

8. Critical Care Noon Conference, San Francisco VAMC, San Francisco, CA. "Discussing Prognosis with Patients and their Families." April 20, 2006

### **2007**

9. 35th Annual UCSF Advances in Internal Medicine Course, Department of Medicine, UCSF, San Francisco, CA. "Shared Decision Making at the End-of-life: Opportunities for Improvement." May 24, 2007
10. Critical Care Medicine & Trauma CME Course; Departments of Anesthesia and Surgery, UCSF, San Francisco, CA. "Addressing Value-laden Conflict in Intensive Care Units: A Practical Approach." June 8, 2007
11. Graduate Medical Education Grand Rounds, UCSF School of Medicine, San Francisco, CA. "Ethical Dilemmas facing Residents and Fellows." April 17, 2007
12. American Society of Nephrology Annual Meeting; Critical Care Nephrology 2007 Update, San Francisco, CA. "Bedside Rationing of Hemodialysis: Should Physicians Say No?" October 31, 2007
13. Student and Resident Core Lecture Series, UCSF Department of Anesthesia and Critical Care Medicine, San Francisco, CA. "Bioethics for the Intensivist." August 8, 2007.

### **2008**

14. UCSF Critical Care Medicine Fellow-Faculty Lecture series, San Francisco, CA. "The Physician's Role in Life Support Decisions." April 24, 2008
15. Student and Resident Core Lecture Series, UCSF Department of Anesthesia and Critical Care Medicine, San Francisco, CA. "Physician-Family Communication and Decision Making." June 12, 2008
16. Critical Care Medicine & Trauma CME Course, Departments of Anesthesia and Surgery, UCSF, San Francisco, CA. "Palliative Care in ICUs." June 2008
17. UCSF Division of Nephrology Fellow's Lecture Series, San Francisco, CA. "The Ethics of Refusing to Provide Dialysis to a Patient with Advanced Illness". June 6, 2008
18. UCSF Critical Care Fellows Core Curriculum, San Francisco, CA. "Five Ethical Dilemmas in ICUs." July 11, 2008

19. Student and Resident Core Lecture Series, UCSF Department of Anesthesia and Critical Care Medicine, San Francisco, CA. "Medical Futility." September 11, 2008
20. Student and Resident Core Lecture Series, UCSF Department of Anesthesia and Critical Care Medicine, San Francisco, CA. "Ethical Issues in Intensive Care Units." October 16, 2008
21. ACCP Critical Care Board Review Course, Orlando, FL. "Epidemiology and Biostatistics." August 2008.
22. ACCP Critical Care Board Review Course, Orlando, FL. "Ethical Issues in Intensive Care Units." August 2008.

## **2009**

23. ACCP Critical Care Board Review Course, Phoenix, AZ. "A Primer on Epidemiology, Biostatistics, and Clinical Research Design." August 21, 2009
24. ACCP Critical Care Board Review Course, Phoenix, AZ. "End of Life Care and Ethics in Intensive Care Units." August 21, 2009
25. ACCP Critical Care Board Review Course, Phoenix, AZ. "Management of Life Threatening GI Bleeding." August 21, 2009
26. UCSF Critical Care Medicine Student and Resident Core Lecture series, San Francisco, CA. "Management of Patients with Acute Lung Injury." December 9, 2009.
27. UCSF Patient Care Grand Rounds, San Francisco, CA. "Moral Pluralism and Clinical Ethics Consultation." December 9, 2009
28. Morbidity and Mortality Conference, UCSF Department of Anesthesia and Critical Care Medicine, San Francisco, CA. "Value Conflicts and End of Life Care in ICUs." December 18, 2009.
29. Student and Resident Core Lecture Series, UCSF Department of Anesthesia and Critical Care Medicine, San Francisco, CA. "Ethical Issues in ICUs." January 26, 2009
30. Student and Resident Core Lecture Series, UCSF Department of Anesthesia and Critical Care Medicine, San Francisco, CA. "Principles of Surrogate Decision Making for Critically Ill Patients." February 26, 2009.
31. UCSF 36th Annual Advances in Internal Medicine CME Course, Department of Medicine, San Francisco, CA. "Using Ethical Principles to Inform Public Health Policy." May 21, 2009
32. UCSF Critical Care Medicine & Trauma CME Course, Department of Anesthesia and Surgery, San Francisco, CA. "Medical Futility: Values in Conflict." May 29, 2009
33. American College of Chest Physicians CCM CME Course, Phoenix, AZ. "Massive GI Bleeding." (August 21, 2009)
34. American College of Chest Physicians CCM CME Course, Phoenix, AZ. "Evaluating Research Evidence." (August 21, 2009)
35. American College of Chest Physicians CCM CME Course, Phoenix, AZ. "Ethical Issues in Intensive Care Units." (August 21, 2009)

## **2010**

36. International Conference of the American Thoracic Society, "Update on End-of life Care." New Orleans, LA, May 20, 2010. (Plenary Session)
37. Messer Lecture, University of Pittsburgh, School of Medicine, "Organ Donation Practices Built on Biological Fictions: Ethical Issues and Policy Implications." Pittsburgh, PA, April 16, 2010
38. American College of Chest Physicians, "Ethics and End-of-Life Care in the ICU." Orlando, FL, August 27, 2010.

39. American College of Chest Physicians, "Epidemiology and Biostatistics for Intensivists." Orlando, FL, August 27, 2010.
40. American College of Chest Physicians, "Management of Massive GI Bleeds." Orlando, FL, August 27, 2010.
41. Palliative Care Research Rounds, University of Pittsburgh, "Mixed Methods Research in Palliative Care." Pittsburgh, PA, November 2, 2010

## **2011**

42. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "The Physician's Role in Value Laden Decisions in ICUs," January 7, 2011
43. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Managing Conflicts about Futile or Potentially Inappropriate Care," February 24, 2011
44. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "The Ethics and Politics of Resource Allocation in ICUs," February 18, 2011
45. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Case Discussion of Ethically Challenging Cases in ICUs," March 18, 2011
46. Respiratory Therapy Grand Rounds, University of Pittsburgh Medical Center, Pittsburgh PA." Allocating Mechanical Ventilators During a Public Health Emergency". April 13, 2011.
47. American College of Chest Physicians, "Ethics and End-of-Life Care in the ICU." San Antonio, TX. August 28, 2011.
48. American College of Chest Physicians, "Epidemiology and Biostatistics for Intensivists." San Antonio, TX. August 28, 2011.
49. American College of Chest Physicians, "Management of Massive GI Bleeds." San Antonio, TX. August 28, 2011.
50. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "The Physician's Role in Value Laden Decisions in the ICU", September 27, 2011
51. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Leading a Family Meeting", September 30, 2011

## **2012**

52. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Preventing and Resolving Futility Disputes" March 9, 2012
53. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Resource Allocation for Intensivist" March 16, 2012
54. American Thoracic Society, International Conference Scientific Session, San Francisco, CA, "A Family Disagreeing About the Plan Of Care" May 20, 2012.
55. American Thoracic Society, International Conference, Center for Fellows and Junior Professionals Workshop, San Francisco, CA," How to get your first academic job: lessons learned" May 21, 2012
56. ACCP Critical Care Board Review Course, Phoenix, AZ. "GI Bleeding". August 19, 2012.
57. ACCP Critical Care Board Review Course, Phoenix, AZ. "Ethics and End of Life in the ICU". August 19, 2012.
58. ACCP Critical Care Board Review Course. Phoenix, AZ. "Statistics". August 19, 2012.
59. Educational Panel Discussion, Ethics Committee of Children's Hospital of UPMC, Pittsburgh, PA. "Decision-Making at the End of Life: When Surrogates Disagree". October 2, 2012.

60. Critical Care Canada Forum, Toronto, ON. "Improving Use of Advanced Directives". October 30, 2012
61. Critical Care Canada Forum, Toronto, ON. "Withdrawing & Withholding – Are the Ethical Issues Similar?" October 30, 2012

### **2013**

62. University of Pittsburgh Medical Student Critical Care Interest Group, Pittsburgh, PA. "Ethical Issues in Intensive Care Medicine". February 18, 2013.
63. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Physician's role in value laden decisions in the ICU". April 18, 2013
64. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Preventing/Resolving Futility Disputes". May 9, 2013
65. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Prognostication and Medical Uncertainty". May 10, 2013
66. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Resource Allocation". May 16, 2013
67. ACCP Critical Care Medicine Board Review course, San Antonio, Texas. "Management of Life Threatening GI Bleeds". August 25, 2013
68. ACCP Critical Care Medicine Board Review course, San Antonio, Texas. "Ethics and End of Life in the ICU". August 25, 2013
69. ACCP Critical Care Medicine Board Review course, San Antonio, Texas. "Interpreting Clinical Research". August 25, 2013

### **2014**

70. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Ethics, Physician's role in value laden decision in the ICU." March 11, 2014
71. Respiratory Care Critical Care Symposium; University of Pittsburgh; "Responding to Requests for Futile or Potentially Inappropriate Treatment of Patients with Advanced Critical Illness." Pittsburgh, PA. March 28, 2014
72. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Ethics-Prognostication and Medical Uncertainty." May 2, 2014
73. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Ethics-Negotiating conflict and dealing with strong emotions." May 7, 2014
74. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Ethics-Preventing/Resolving futility disputes." June 6, 2014.
75. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Resource Allocation." June 10, 2014
76. ACCP Critical Care Medicine Board Review course, Orlando, FL. "Biostatistics", August 25, 2014
77. ACCP Critical Care Medicine Board Review course, Orlando, FL. "Ethics and End of Life in the ICU", August 25, 2014
78. ACCP Critical Care Medicine Board Review course, Orlando, FL. "Management of life-threatening GI Bleeding", August 25, 2014
79. ACCP Critical Care Medicine Board Review course, Orlando, FL. "Case-based workshop- Statistics", August 25, 2014



## **2015**

80. Ethics & Decision Making Research Seminar, Department of Critical Care Medicine, University of Pittsburgh, "Writing specific aims for decision-making and health services research", February 3, 2015.
81. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Responding to requests for futile or potentially inappropriate treatment", March 5, 2015.
82. Plenary talk, Palliative Care for Hospitalists and Intensivists conference; Harvard Medical School, Boston, MA. "Talking with Surrogates about values, prognosis, and treatment options." March 13, 2015
83. Workshop, Palliative Care for Hospitalists and Intensivists conference; Harvard Medical School, Boston, MA. "Responding to Requests for futile or potentially inappropriate treatments." March 13, 2015
84. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Talking with surrogates about prognosis values and treatment options" May 14, 2015.
85. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "P & P of care withdrawal to principles and practice of withdrawal of life sustaining treatment", May 14, 2015.
86. American Thoracic Society, International Conference Scientific Session, Denver, CO, "When Enough ICU Care is Enough: How to identify Potentially Inappropriate Care in the ICU" May 19, 2015.
87. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Engaging patients and surrogates in shared decision-making: skills practice", May 21, 2015.
88. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Resource allocation for Intensivists" June 4, 2015.
89. CHEST Critical Care Board review, National Harbor, MD. "GI Bleeding" August 21, 2015.
90. CHEST Critical Care Board review, National Harbor, MD. "End of Life and Ethics" August 21, 2015.
91. CHEST Critical Care Board review, National Harbor, MD. "Concurrent Tutorials: Statistics – Group 1B" August 21, 2015.
92. CHEST Critical Care Board review, National Harbor, MD. "Concurrent Tutorials: Statistics – Group 2B" August 21, 2015.
93. PICU Ethics Conference, Department of Critical Care Medicine, University of Pittsburgh, "Responding to requests for futile or potentially inappropriate treatment," December 9, 2015.
94. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Responding to requests for futile or potentially inappropriate treatment", December 10, 2015.

## **2016**

95. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Talking with Surrogates about Prognosis values and treatment options," February 4, 2016.
96. Trauma Services conference, University of Pittsburgh, "The ethics of refusing to operate on a patient who otherwise will die," March 1, 2016.
97. American Thoracic Society, International Conference, San Francisco, CA, "Conflict resolution in critical care: A skills course," May 14, 2016.
98. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Resource allocation for Intensivists," May 26, 2016.
99. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "P & P of care withdrawal to principles and practice of withdrawal of life sustaining treatment," May 26, 2016.

100. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "C3 Refresher," June 9, 2016.
101. Live webinar, American Bar Association, "Conflict over End-of-Life care," July 20, 2016.
102. CHEST Critical Care Board Review Course, Phoenix, AZ. "End of life and ethics." August 21, 2016.
103. CHEST Critical Care Board Review Course, Phoenix, AZ. "GIB, C.Diff." August 21, 2016.
104. CHEST Critical Care Board review, Phoenix, AZ. "Concurrent Tutorials: Statistics – Group 2A" August 21, 2016.
105. CHEST Critical Care Board review, Phoenix, AZ. "Concurrent Tutorials: Statistics – Group 1A" August 21, 2016.
106. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "P & P of care withdrawal to principles and practice of withdrawal of life sustaining treatment," November 17, 2016.
107. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Talking with surrogates about prognosis values and treatment options (part 1)," December 1, 2016.

### **2017**

108. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Talking with surrogates about prognosis values and treatment options (part 2)," January 5, 2017.
109. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Responding to requests for futile or potentially inappropriate treatment," January 26, 2017.
110. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Practical and ethical issues in brain death," June 1, 2017.
111. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Resource allocation for Intensivists," June 8, 2017.
112. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "P & P of care withdrawal to principles and practice of withdrawal of life sustaining treatment," August 17, 2017.
113. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Talking with surrogates about prognosis values and treatment options (part 1)," September 21, 2017.
114. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Talking with surrogates about prognosis values and treatment options (part 2)," November 2, 2017.
115. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Responding to requests for futile or potentially inappropriate treatment," December 14, 2017.
116. Pitt Surgery Academic Day, Department of Surgery, University of Pittsburgh, "Developing a mentoring team," December 15, 2017.

### **2018**

117. Brown Bag talk, Clinical Psychology program, University of Pittsburgh, "Testing interventions to support family members acting as surrogate decision makers in ICUs," January 26, 2018.
118. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Practical and ethical issues in brain death and organ donation," April 19, 2018.
119. Decision Making in Serious Illness Research Seminar, Department of Critical Care Medicine, University of Pittsburgh, "A randomized trial of family support intervention delivered by the interprofessional team in ICUs", April 20, 2018.
120. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Resource allocation for Intensivists," June 7, 2018.

121. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Talking with surrogates about prognosis values and treatment options (part 1)," November 29, 2018.

**2019**

122. Fellows' Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Talking with Surrogates about Prognosis values and treatment options (part 2)," January 17, 2019

123. Fellow's Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Responding to Requests for Futile or Potentially Inappropriate Treatment", February 7, 2019

124. Fellow's Core Curriculum, Department of Critical Care Medicine, University of Pittsburgh, "Resource allocation for intensivists", May 20, 2019

125. Center for Counseling and Cancer Support Clinical Lecture, University of Pittsburgh Medical Center, "Decision making in serious illness." June 7, 2019

126. CCM Fellow's Core Lecture Series, University of Pittsburgh, Critical Care Medicine; Pittsburgh, PA. "Principles and Practices of Treatment Withdrawal." Aug 28, 2019

**2020**

127. Fellow's Core Curriculum, Department of Critical Care Medicine; Pittsburgh, PA. "Allocating Scarce Critical Care Resources During a Public Health Emergency." March 28<sup>th</sup>, 2020

128. Council of UPMC Chief Nursing Officers and Vice Presidents of Medical Affairs, University of Pittsburgh Medical Center; Videoconference. "A Model Hospital Policy for Allocating Scarce Ventilators During the COVID-19 Pandemic." March 28, 2020

129. Fellow's Core Curriculum, Department of Critical Care Medicine; Pittsburgh, PA. "Talking with Surrogates Pt. 2" May 14<sup>th</sup>, 2020

**MENTORING- Faculty**

<b>Dates</b>	<b>Name</b>	<b>Position While Mentored</b>	<b>Mentoring Role</b>	<b>Current Position</b>
2007-2012	Wendy Anderson, MD, MPH	Assistant Professor, UCSF Department of Medicine	Research Supervision	Associate Professor, UCSF (KL2 awardee)
2009-2012	Lee Daugherty, MD, MPH	Assistant Professor; Johns Hopkins University; Division of Pulmonary and Critical Care Medicine	Research supervision	Assistant Professor; Johns Hopkins University; Division of Pulmonary and Critical Care Medicine (K23 awardee)
2010-2020	Yael Schenker, MD, MAS	Fellow and Assistant Professor; UCSF and UPMC Division of General Internal Medicine	Research supervision	Associate Professor; University of Pittsburgh; Division of General Internal Medicine (KL2 and NPCRC Career Development awardee; R01- awardee)

2010-2015	Cynthia Gries, MD, MS	Instructor; University of Pittsburgh Division of Pulmonary and Critical Care Medicine	Research supervision	Assistant Professor; University of Florida (KL2 and R21 awardee)
2010-2015	Mithya Lewis-Newby, MD	Instructor, University of Washington; Dept of Pediatrics	Research supervision	Assistant Professor, University of Washington; Dept of Pediatrics
2010-2015	Gabriel Bosslet, MD, MA	Assistant Professor, Indiana University; Fairbanks Center for Medical Ethics	Research supervision	Associate Professor, Indiana University, Division of Pulmonary and Critical Care Medicine
2015-2019	Kelly Michelson, MD, MPH	Northwestern University School of Medicine	Research supervision	Professor and Director, Institute for Public Health Medicine, Center for Bioethics and Medical Humanities; Northwestern University
2015-2020	Lauren Van Scoy, MD	Assistant Professor, Division of Pulmonary Critical Care Medicine, Penn State University	Research supervision	Assistant Professor of Medicine and Humanities Penn State Milton S. Hershey Medical Center (Parker B. Francis Research Scholar awardee)
2016-present	Kathleen Lindell, PhD, Rn	Assistant Professor, University of Pittsburgh	Research supervision	Assistant Professor, University of Pittsburgh (K23 award recipient)
2016-present	Deepika Mohan, MD	Assistant Professor, University of Pittsburgh	Research supervision	Associate Professor, University of Pittsburgh K23 and NIH Director's New Innovator Award (DP2) awardee
2018-Present	Jennifer Seaman, PhD, RN	Assistant Professor, University of Pittsburgh	Research supervision	Assistant Professor, University of Pittsburgh, School of Nursing
2019-present	Alexis Steinberg, MD	Assistant Professor, University of Pittsburgh	Research supervision	Assistant Professor, University of Pittsburgh School of Medicine
2019-present	Corey Fehnel, MD	Assistant Professor, Harvard Medical School	Research supervision	Assistant Professor, Harvard Medical School K23 awardee

**MENTORING- Post Doctoral Fellows**

<b>Dates</b>	<b>Name</b>	<b>Position While Mentored</b>	<b>Mentoring Role</b>	<b>Current Position</b>
2010-2011	Alyssa Majesko, MD, MPH	Fellow, Department of Critical Care Medicine; University of Pittsburgh	Research supervision	Assistant Professor, Critical Care Medicine, Emory University School of Medicine
2010-2013	Rachel Schuster, MD, MS	Fellow, Division of Pulmonary and Critical Care Medicine; University of Pittsburgh	Research supervision; Dissertation committee	Assistant Professor, Division of Pulmonary and Critical Care Medicine; University of Pittsburgh
2011-2016	Leslie Scheunemann, MD, MS	Fellow, Division of Pulmonary and Critical Care Medicine; University of Pittsburgh	Research supervision	Assistant Professor, Geriatrics and Pulmonary, Allergy and Critical Care Medicine; University of Pittsburgh
2012-2016	Jared Chiarchiaro, MD	Fellow, Division of Pulmonary and Critical Care Medicine; University of Pittsburgh	Research supervision	Assistant Professor of Medicine, Division of Pulmonary, Allergy, and Critical Care Medicine; University of Pittsburgh
2015- 18	Jennifer Seaman, PhD, RN	Fellow, T32 research	Research supervision	Assistant Professor, University of Pittsburgh School of Nursing (Sojourns Scholar awardee)
2016-present	Taylor Lincoln, MD	Fellow, Hospice and Palliative Medicine	Research supervision	Fellow, Pulmonary & Critical Care Medicine
2016-18	Emily Brant, MD	Fellow, Department of Critical Care Medicine, University of Pittsburgh	Educational research supervision	Assistant Professor, Department of Critical Care Medicine, University of Pittsburgh

#### **MENTORING- Doctoral and Master Students**

<b>Dates</b>	<b>Name</b>	<b>Position While Mentored</b>	<b>Mentoring Role</b>	<b>Current Position</b>
2005-2007	Brac Selph, D.Sc	Doctoral student; The Wright Institute, Berkeley, CA	Research supervision; Dissertation Committee	Assistant Professor, UCSF School of Medicine; Department of Psychiatry
2006-2009	Jennifer McAdam, RN, PhD	Doctoral student; UCSF School of Nursing	Research Supervision; Dissertation Committee	Assistant Professor; Dominican University of California; Department of Nursing

2006-2009	Scott Stonington, MD, PhD	Doctoral student; UCSF School of Medicine; Department of Anthropology	Research Supervision; Dissertation Committee	Post-doctoral fellow; Harvard Medical School; Department of Global Health and Social Medicine
2007-2012	Lucas Zier, MD, MPH	Master of Public Health student; UC Berkeley-UCSF Joint MD-MPH Program	Research Supervision; Dissertation Committee	Assistant Professor, UCSF School of Medicine; Department of Cardiology
2009-2013	Thomas Cunningham, PHD, MA, MS	Master of Bioethics student; University of Pittsburgh, Center for Bioethics and Health Law	Research Supervision; Dissertation Committee	Assistant Professor, University of Arkansas School of Medicine; Department of Medicine
2011-2013	Rachel Schuster, MD, MS	Master of Science in Clinical Research student; University of Pittsburgh School of Medicine; Institute for Clinical Research Medicine	Research Supervision; Dissertation Committee	Assistant Professor, Division of Pulmonary and Critical Care Medicine; University of Pittsburgh
2012-2015	Natalie Ernecoff, PhD	Master of Public Health student; University of Pittsburgh Graduate School of Public Health	Research Supervision; Dissertation Committee	PhD student; UNC-Chapel Hill; Gillings School of Global Public Health; Department of Health Policy and Management
2013-2016	Jared Chiarchiaro, MD	Master of Science in Clinical Research student; University of Pittsburgh School of Medicine; Institute for Clinical Research Medicine	Research Supervision; Dissertation Committee	Assistant Professor; University of Pittsburgh School of Medicine; Department of Pulmonary and Critical Care Medicine
2014-2016	Rebecca Vanderwall, MA	Master of Science in Genetic Counseling and Master of Public Health Genetics. University of Pittsburgh School of Public Health	Research Supervision; Dissertation Committee	Master of Public Health student; University of Pittsburgh School of Public Health

#### MENTORING- Residents and Medical Students

Dates	Name	Position While Mentored	Mentoring Role	Current Position
2007-2009	Leah Evans, MD, MS	Pre-medical student; UCSF School of Medicine	Research Supervision;	Assistant Professor, University of Massachusetts Medical School, General Pediatrics
2007-2009	Latifat Apatira, MD, MPH	Medical student; UCSF School of Medicine	Research Supervision	Resident- Internal Medicine and Preventive Medicine; Kaiser Permanente San

				Francisco Medical Center
2008	Christopher Bautista, MD	Medical student; UCSF School of Medicine	Research Supervision	Assistant Professor, University of California San Francisco, Department of Internal Medicine
2008	Celeste Reinking, MD	Medical student; UCSF School of Medicine	Educational Curriculum Development Supervision	Family Medicine, Private Practice, Chico, CA
2008-2009	Juan Lessing, MD	Medical student; UCSF School of Medicine	Research Supervision	Instructor of Medicine-University of Colorado; Division of Hospital Medicine
2009-2010	Susan Lee, MD, JD	General Surgery resident, UCSF School of Medicine	Research Supervision	Department of Surgery, California Pacific Medical Center
2009-2011	Sara Johnson, MD	Internal Medicine resident, UCSF School of Medicine	Research Supervision	Assistant Professor; University of Wisconsin School of Medicine; Department of Medicine
2015-19	Alexandra Bursic, MD	Medical student; University of Pittsburgh School of Medicine	Research Supervision	Medical student; University of Pittsburgh School of Medicine
2017-2018	Dang Khoa Tran	Pre-medical Student; University of Pittsburgh	Research Supervision	Medical student; Jefferson University (Philadelphia) School of Medicine
2019-present	Will Gautier	Medical student; University of Pittsburgh	Research Supervision	Medical student; University of Pittsburgh School of Medicine
2019-present	Kathryn Vessel	Medical student; University of Pittsburgh	Research Supervision	Medical student; University of Pittsburgh School of Medicine

## DISSERTATIONS

1. Co-Chair, Dissertation committee. Rebecca Vanderwall. University of Pittsburgh School of Public Health. "Evaluation of communication skill in genetic counseling training programs: A needs assessment." May 27, 2016.
2. Co-Chair, Dissertation committee. Eric Silver. Carnegie Mellon University. "Lay understanding of time-bounded mortality rates in prognosis." November 14, 2017.

## RESEARCH

### Grants Received/Years Inclusive/Grant Number and Title/Source

#### Current

R01AG066731-01 (PI White)  
NIH/NIA

08/01/2020-07/31/2025

#### **Randomized Trial of a Scalable, Interactive Tool to Support Surrogate Decision-makers of Older Critically Ill Patients**

The goal of this proposal is to conduct a multicenter RCT determine the effect of the Family Support Tool on patients' clinical outcomes, surrogates' psychological outcomes, measures of decision quality, and end-of-life healthcare utilization.

Role: PI

1R01AG068567-01 (MPIs White/Schenker)  
NIH/NIA

09/01/2020-08/31/2025

**Randomized Trial of Specialty Palliative Care Integrated with Critical Care for Critically Ill Older Adults at High Risk of Death or Severe Disability**

We will conduct a multicenter randomized efficacy trial and concurrent qualitative study comparing usual care to early integration of specialty PC with standard critical care among 625 older, critically ill patients at high risk of death or severe disability in 10 ICUs within 6 hospitals in Pennsylvania.

Role: PI

K24 HL148314-01 (PI: White)  
NIH/NHLBI

09/01/2019-6/30/2024  
\$109,487

**Mentored Patient Oriented Research in Improving Surrogate Decision Making for Patients with Advanced Respiratory Failure**

This Midcareer Investigator Award in Patient-Oriented Research is to enhance the ability of Dr. Douglas White to train, mentor, and support the career development of clinician-scientists focused on developing and testing interventions to improve surrogate decision making for incapacitated patients with advanced respiratory failure.

Role: PI

R01NR016459-01 (MPI: White)  
NIH/NINR

09/26/2016 – 07/31/2021  
\$2,499,955

**Prediction of Functional Outcomes from Chronic Critical Illness**

This research project is a prospective cohort study that determines clinical phenotypes of patients with Chronic Critical Illness (CCI) and develops and validates prediction models for long-term survival and function.

Role: MPI

1R01CA235730 (PI: Schenker)  
NIH/NCI

03/01/2019-02/28/2024

**Patient-centered and efficacious advance care planning in cancer: the PEACe comparative effectiveness trial (PEACe)**

This award supports a single-blind, patient-level randomized trial compare the effectiveness of in-person, facilitated ACP vs web-based ACP among patients with advanced cancer and their family caregivers.

Role: Co-investigator

1R01CA197103-01A1 (PI: Schenker)  
NIH/NCI

04/01/2016 - 03/31/2021

**A cluster randomized trial of a primary palliative care intervention (CONNECT) for patients with advanced cancer**

The objective of this proposal is to conduct a cluster randomized trial among 672 patients with advanced cancer and their caregivers receiving care at 16 community oncology clinics, assessing the impact of the CONNECT intervention on patient and caregiver 3-month outcomes and health care utilization.

Role: Co-investigator

Witteman (PI)  
CIHR  
Design for Better Health

07/01/2016 – 06/30/2021

**User-Centred Design and Evaluation of Interactive Media for Health Education, Communication and Decision Making**

Role: Co-investigator

T32HL007820-5 (PI: Kahn)  
NIH/NHLBI

09/06/1996 – 07/31/2023

Experimental therapeutics in critical illness. The goal of this training grant is to provide multidisciplinary research training to post-doctoral fellows in the field critical care outcomes research and translational science.

Role: Trainer

4T32HL007563-29 (PI: Mallampalli)  
NIH

07/01/1984 -- 07/31/2018

Translational Training Program in Pulmonary Biology and Medicine



The Translational Training Program in Pulmonary Biology and Medicine focuses on an ethos of translational bench-to-bedside research. The training plan has been invigorated by establishing a four-year Bench-to-Bedside Translational Pulmonary/Critical Care Medicine Fellowship; pairing basic lung biology and pulmonary medicine mentors to form translational research training units; a three day off-campus fellows Research Role: Trainer

1T32HL134615 (Co-PIs: Callaway/Yealy) 01/01/2017 – 12/31/2021

NIH/NHLBI

Emergency Medicine Research Training

This proposal will establish an interdisciplinary training program to provide early-career clinical scientists with didactic and mentor-driven training in clinical emergency care research.

Role: Trainer

2T32HD040686-16A1 (PI: Kochanek) 07/01/2016 – 06/30/2021

NIH/NICHHD

Pediatric Neurointensive Care and Resuscitation Research. The goal of this training grant is to provide research training to post-doctoral fellows in the field of pediatric critical care outcomes research.

Role: Trainer

1 KL2 TR001856 (PI: Kapoor) 7/12/2016 – 6/30/2018

NIH/NCATS

The University of Pittsburgh Clinical and Translational Science Institute – Institutional Career Development (Clinical and Translational Science Scholars Program)

The Clinical and Translational Science (CTS) Scholars Program provides multi-disciplinary career development training, including didactic instruction and mentored research experience, to investigators preparing for careers in clinical and translational science.

Role: Trainer

### **Completed**

R01NR014663-02 (PI: White) 09/01/2014 – 06/30/2020

NIH/NINR

\$2,701,915

#### **Stepped Wedge Trial of an Intervention to Support Proxy Decision Makers in ICUs**

The objective of this proposal is to conduct a randomized stepped wedge trial in 1000 patients at five centers assessing the impact of the PARTNER intervention on patients' 6-month outcomes and health care utilization and surrogate decision-makers' psychological outcomes.

Role: PI

R01AG045176-03 (PI: White) 07/01/2013 – 06/30/2018

NIH/NIA

\$3,845,635

#### **A Trial to Improve Surrogate Decision-Making for Critically Ill Older Adults**

This award supports a multi-center randomized controlled trial of a multi-faceted intervention to improve surrogate decision-making and life support decisions for critically ill elders at high risk for death or functional impairment in intensive care units.

Role: PI

R01NR014663-05S1 (PI: White) 09/13/2018 – 06/30/2020

NIH/NINR

\$343,062

#### **Supplement award to Stepped Wedge Trial of an Intervention to Support Proxy Decision Makers in ICUs**

This supplemental award builds on the parent R01 to develop an expert-endorsed core set of serious illness communication skills for clinicians caring for incapacitated, acutely ill patients, including those with Alzheimer's disease or related dementias. We will also develop an interactive web- and videoconference-delivered training program to train clinicians to effectively support surrogate decision-makers.

Role: PI

1R01NR015750-01 (PI: Hickman) 09/02/2015-05/31/2020

NIH/NINR

\$582,363

**A clinical trial of electronic decision support interventions for end-of-life care among surrogate decision-makers of the chronically critically ill**

Role: Consultant

5K23NR016276-02 (PI: Lindell)  
NIH/NINR

9/26/2016 – 7/31/2019  
\$423,083

Integrating Palliative Care for Patients with Idiopathic Pulmonary Fibrosis and their Caregivers

The overarching goal of this proposal is to determine the feasibility, acceptability and preliminary impact of an early, integrated palliative care intervention, termed SUPPORT, in patients with Idiopathic Pulmonary Fibrosis (IPF) and their caregivers, which will positively impact their experiences at the end-of-life (EOL). By increasing knowledge of the disease, teaching self-management strategies, and facilitating preparedness with EOL planning, we will begin to address a critical gap in the care of not just IPF patients but all patients with advanced lung disease (high medical utilization and high symptom burden in the face of a fatal illness).

Role: Mentor

5R01HL109823-04 (PI: Cox)  
NIH/NHLBI

07/01/2012- 06/30/2017  
3,171,290

**Improving decision making for patients with prolonged mechanical ventilation**

The major goal of this proposal is to determine if a decision aid is better than usual care in improving the quality of decision making for surrogates of patients receiving prolonged mechanical ventilation.

Role: Co-investigator and Site PI

(Himes)  
UPP/University of Pittsburgh Foundation

07/01/2015 – 06/30/2017  
\$50,000

**Development of a Tool to Support Shared Decision Making between Clinicians and Families at Risk of Periviable Delivery**

Families facing periviable delivery must decide whether or not to use life support for their baby. We plan to develop and test a support tool for families facing this decision.

Role: Co-investigator

1R21AG050252-01 (PI: White)  
NIH/NIA

07/01/2015 – 02/29/2017  
\$423,227

**Developing a Web and Tablet based Tool to Improve Communication and Shared Decision Making between Clinicians and Surrogates in ICUs**

This goal of this project is to develop and pilot test a web and tablet computer-based intervention to foster communication and shared decision-making between clinicians and the surrogate decision-makers of incapacitated, critically ill patients.

Role: PI

Gordon & Betty Moore Foundation (PI: Halpern)

12/01/2013 – 11/30/2016  
\$551,429

**Improving Seriously Ill Patients' End-of-Life Care by Changing the Default Option in Advance Directives**

This multicenter randomized trial seeks to measure the impacts of default options in advance directives on clinical, economic, and patient- and surrogate-reported outcomes.

Role: Co-investigator

PCORI (PI: Cox)  
PFA 195

05/01/2013 – 06/30/2016  
\$1,494,357

**Improving Psychological Distress Among Critical Illness Survivors and Their Caregivers**

The major goal of this proposal is to compare a novel coping skills training intervention to education control in a multicenter RCT.

Role: Co-Investigator and Site PI

(PI: Himes)  
Beckwith Institute

07/01/2015 – 06/30/2016  
\$27,000

**Development of a Tool to Support Shared Decision Making between Clinicians and Families at Risk of Periviable Delivery**

Families facing periviable delivery must decide whether or not to use life support for their baby. We plan to develop and test a support tool for families facing this decision.

Role: Co-investigator

PCORI (PI: Michelson)

11/01/2013-10/31/2016

\$1,799,206

**Improving Communication in the Pediatric Intensive Care Unit for Patients Facing Life-Changing Decisions**

The major goals of this proposal are 1) to adapt for use in pediatric ICUs the intervention developed by White and colleagues to improve surrogate decision making in adult ICUs (the Four Supports Intervention); and 2) to conduct a two-center trial to assess the effects of the intervention on parents' psychological outcomes and the quality of decision making.

Role: Co-Investigator

Greenwall Foundation (PI: White)

07/01/2009 – 06/30/2016

Greenwall Foundation Faculty Scholars  
Program in Bioethics

\$340,210

**The Ethics of Making Life Support Decisions for Incapacitated Patients without Surrogates**

This award supports normative and empirical bioethics research addressing how life support decisions should be made for patients who lack decision-making capacity, a surrogate decision-maker, and an advance directive.

Role: PI

5R01HL094553-04 (PI: White)

09/01/2009 – 06/30/2015

NIH/NHLBI

\$2,906,939

**Identifying Effective Strategies to Disclose Prognosis in Patients with ARDS**

This award supports a multi-center, mixed-methods, prospective cohort study to identify effective, culturally acceptable strategies to disclose prognostic information to surrogate decision-makers of critically ill patients.

Role: PI

5R21HL121744-02 (PI: Gries)

01/01/2014-12/31/2015

NIH/NHLBI

\$402,396

**A Healthy Literacy Sensitive Decision Aid about Transportation for COPD Patients**

The goal of this proposal is to develop a health-literacy sensitive decision aid that helps patients with COPD understand their treatment options and helps clarify their preferences and values regarding lung transplantation.

Role: Co-Investigator

Beckwith Foundation (PI: White)

07/01/2014 -06/30/2015

Clinical Transformation Program

\$60,000

In this grant, we seek to improve the quality of surrogate decision making in ICUs by developing and pilot testing 1) a web-based communication and decision support (CDS) tool for surrogates and 2) a reliable care process to integrate the tool into routine clinician-family communication.

Role: PI

1K23AG032875-01 (PI: White)

09/01/08 – 08/31/2013

NIH/NIA

\$700,000

**Paul Beeson Career Development Award in Aging**

A randomized trial to improve surrogate decision-making for critically ill elders

This award supports a randomized controlled trial of a multi-faceted intervention to improve surrogate decision-making and life support decisions for critically ill elders at high risk for death or functional impairment in intensive care units.

Role: PI

3K23AG032875-02S1 (PI: White)

09/15/2009 – 08/31/2012

NIH/NIA

\$216,000

ARRA Administrative Supplement

Paul Beeson Career Development Award in Aging

**A randomized trial to improve surrogate decision-making for critically ill elders**

This award is an ARRA administrative supplement to broaden the scope of the intervention in the primary project.

Role: PI

1R21HL094975-01 (Carson)  
NIH/NHLBI

09/01/2009 – 08/31/2011  
\$423,156

**Validation of a Mortality Prediction Model for Prolonged Mechanical Ventilation**

A scoring system that can determine the risk of death for patients who become critically ill and require mechanical ventilation for weeks or months has been developed in a single hospital. This study will determine if this scoring system is accurate in patients who require prolonged mechanical ventilation at other hospitals in the U.S.

Role: Site PI

HFPEP070013-01-01 (Sandrock)  
ASPR Healthcare Facilities Partnership  
Program Grant

03/01/2008 – 02/28/2009

**ESCAPE (Enhancing Surge Capacity and Partnership Effort)**

The aim of this project is to develop procedures to ensure the ethical allocation of scarce medical resources during a public health emergency. It involves partnerships between health care facilities, public health departments, and alternate care sites.

Role: Consultant

1KL2RR024130-01 (McCune)  
NCCR

09/30/2005 – 06/30/2008  
\$562,000

**NIH Career Development Award**

The goal of this award is to develop the skills to lead a multidisciplinary clinical and translational research program. This grant also supports Dr. White to lead a prospective cohort study using mixed methods to determine predictors of physician-family discordance about prognosis in critically ill patients at high risk of death.

Role: Career develop awardee

White (PI)  
UCSF Research Evaluation and  
Allocation Committee

03/01/2007 – 06/30/2008  
\$25,000

This grant supports a prospective cohort study to determine predictors of physician-family discordance about prognosis in critically ill patients at high risk of death.

Role: PI

White (PI)  
Will Rodgers Institute

07/01/2003 – 06/30/2004  
\$55,000

**Medical Decision Making in Incapacitated Critically Ill Patients Who Lack Surrogates.**

This foundation grant supported a prospective cohort study examining the incidence of incapacitated patients without surrogates in ICUs and the decision-making practices associated with treatment limitation in this population.

Role: PI

HL07185 (Nadel)  
NIH/NHLBI

07/01/2004 – 06/30/2005

**T32 Multidisciplinary Research Training Program in Pulmonary Disease**

The major goal of Dr. White's project is to develop a framework to evaluate how physicians communicate prognostic information to the surrogate decision maker of critically ill, incapacitated patients.

Role: Post-doctoral fellow

**Seminars and Invited Lectureships Related to Research**

**1997**

1. 10th International Hypoxia Symposium, Lake Louise, Canada. "The Effect of High Altitude on Sympathetic and Parasympathetic Inputs to the Heart." (invited research talk) (February 21, 1997)

**2003**

2. Pulmonary Grand Rounds, UCSF Division of Pulmonary and Critical Care Medicine, San Francisco, CA. "ICU Rationing: Is it Ethically Permissible in the United States?" (June 10, 2003)

## **2004**

3. Pulmonary Research Conference, UCSF, San Francisco, CA. "Legal aspects of surrogate decision making." (April, 2004)
4. Pulmonary Research Conference, UCSF, San Francisco, CA. "Medical futility: definitions and controversies." (May, 2004)
5. Pulmonary Grand Rounds, UCSF, San Francisco, CA. "Shared decision making in intensive care units." (September, 2004)

## **2005**

6. Pulmonary Research Conference, UCSF Division of Pulmonary and Critical Care Medicine, San Francisco, CA. "Decisions to Limit Life Support in Incapacitated Patients Who Lack a Surrogate." (April 4, 2005)

## **2006**

7. 101st International Conference of the American Thoracic Society, San Diego, CA. "Communication about prognosis in critically ill patients at high risk of death." (May 22, 2006)
8. Anesthesia Grand Rounds: UCSF Department of Anesthesia, San Francisco, CA "Patients at high risk for death: the anesthesiologist's role in decision-making about whether to undergo surgery." (March 2006)
9. American Academy of Physician Assistants National Conference, San Francisco, CA. "Decision-making at the end of life: the clinician's evolving role." (April 20, 2006)
10. UCSF Critical Care & Trauma CME Course, San Francisco, CA. "Improving decision-making for patients at high risk of death." (June 9, 2006)
11. California Transplant Donor Network Oakland, CA. "Ethical challenges in donation after cardiac death." (April, 2006)
12. Pulmonary Research Retreat, UCSF Division of Pulmonary and Critical Care Medicine. San Francisco CA. "Prognostication in the Care of Critically Ill Patients." (November 13, 2006)

## **2007**

13. Society for Medical Decision Making Annual Meeting; Pittsburgh, PA. "Doubt and belief in physicians' ability to prognosticate: the perspective of surrogate decision makers." (Oral abstract) (October 20, 2007)
14. Health Research Service Administration, Chicago, IL. "The physician's role in organ donation discussions in ICUs." (March 9, 2007)
15. Health Research Service Administration, Chicago, IL. "Ethical issues in organ donation after cardiac death." (March 9, 2007)
16. American Academy of Physician Assistants National Conference, Philadelphia, PA. "Pain management near the end of life." (May 27, 2007)
17. American Academy of Physician Assistants National Conference, Philadelphia, PA. "Ethical issues in surrogate decision-making: lessons from the Terri Schiavo case." (May 27, 2007)
18. HRSA/United Network for Organ Sharing Collaborative, San Antonio, TX. "Pediatric organ donation: ethical and practical issues for the pediatric intensivist." (March 27, 2007)
19. 35th Annual UCSF Advances in Internal Medicine Course, Department of Medicine, UCSF, San Francisco, CA. "Shared decision making at the end-of-life: opportunities for improvement." (May 24, 2007)
20. UCSF Critical Care Medicine & Trauma CME Course, Departments of Anesthesia and Surgery, San Francisco, CA. "Addressing value-laden conflict in intensive care units: a practical approach." (June 8, 2007)

21. University of Hawaii School of Medicine, Roadmap K12 Multidisciplinary Research Training Program Research Seminar. "Mixed Methods Research and Bioethics: Decision Making about Life Support in ICUs." (June 15, 2007)
22. Medical Grand Rounds, San Francisco VA Medical Center, San Francisco, CA. "Tough calls about life support: a case for shared decision-making." (July 24, 2007)
23. Visiting Professor, Department of Medicine, University of Iowa Carver College of Medicine, Iowa City, IA. "Prognostication and life support decisions in intensive care units." (August 2, 2007)
24. Visiting Professor, Pulmonary Grand Rounds, Department of Medicine, University of Washington School of Medicine, Seattle, WA. "Preference-sensitive decisions at the end of life- what is the physician's role?" (October 4, 2007)

## **2008**

25. Visiting Professor, Medical Grand Rounds, Department of Medicine, Case Western Reserve University, Cleveland, OH. "The physician-surrogate relationship." (March 6, 2008)
26. Visiting Professor, Center for Health Care Research and Policy, Case Western Reserve University Research Seminar, Cleveland, OH. "A mixed methods approach to studying disclosure about prognosis in intensive care units." (March 7, 2008)
27. Medical Grand Rounds, Department of Medicine, University of California, San Francisco. "Expanding the paradigm of surrogate decision-making in intensive care units." (April 10, 2008)
28. Department of Bioethics Research Seminar, National Institutes of Health, Bethesda, MD. "Expanding the paradigm of the physician's role in surrogate decision-making." (June 2, 2008)
29. Summer Ethics Symposium, California Pacific Medical Center, San Francisco, CA. "Incapacitated patients without surrogates: who should make medical decisions for them?" (June 14, 2008)
30. Pulmonary Grand Rounds, Duke University School of Medicine, Durham, NC. "Surrogate decision making: conceptual underpinnings and empirical evidence." (July 8, 2008)
31. Medical Grand Rounds, San Francisco General Hospital, San Francisco, CA. "Expanding the paradigm of surrogate decision-making in intensive care units." (September 23, 2008)
32. Graduate Medical Education Grand Rounds, UCSF, San Francisco, CA. "Responding to patients' requests: balancing professional obligations and conscientious objections." (October 21, 2008)
33. Society for Medical Decision Making, Boston, MA. "The language of prognostication in intensive care units." (invited talk) (October 16, 2008)
34. American Academy of Neurology Annual Meeting, Chicago, IL. "Ethical aspects of withdrawing life support in patients with catastrophic neurological injury." (April 13, 2008)
35. 102nd International Conference of the American Thoracic Society, Toronto, Canada. "Establishing goals of care for critically ill patients." (May 21, 2008)
36. American College of Chest Physicians International Conference, Philadelphia, PA. "The importance of functional outcomes and dignity in end-of-life decision-making for elderly patients." (session chair and speaker) (November 1, 2008)
37. American College of Chest Physicians International Conference, Philadelphia, PA. "Shared Decision-making and Discussion of Prognosis in the ICU Family Conference: How are we doing and how can we improve." (session chair and speaker) (October 31, 2008)
38. American College of Chest Physicians International Conference, Philadelphia, PA. "Surrogate decision-making: empirical challenges to the conceptual model." (November 3, 2008)
39. Kaiser Permanente Bioethics Symposium, Oakland, CA. "Who should make life support decisions for unrepresented patients?" (December 1, 2008)

## **2009**

40. Reza Gandjei Memorial Lectureship in Bioethics, UCSF School of Medicine, San Francisco CA. "Who Should Receive Life Support When Not All Can? Pandemics and Public Health Ethics." (February 12, 2009)
41. USCF Leadership and Management Meeting, USCF Medical Center, San Francisco, CA. "A family navigator intervention to improve the care of critically ill patients and their families." (February 23, 2009)
42. Visiting Professor, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania. "A multi-principle strategy to allocate life support during a public health emergency." (March 12, 2009)
43. World Health Organization, Geneva, Switzerland. "Allocating scarce treatments during a radiation emergency." (March 17, 2009)
44. UCSF Department of Epidemiology and Biostatistics Roadmap KL2 Research Seminar. "Combining Quantitative and Qualitative Research Methods in Health Services Research." (March 20, 2009)
45. Medical Grand Rounds, San Francisco VA Medical Center, San Francisco, CA. "Principles of Justice and the Allocation of Scarce Medical Resources." (April 7, 2009)
46. American Thoracic Society, Society for Critical Care Medicine, and United Network for Organ Sharing Joint Workshop on Ethical and Policy Considerations in Organ Donation after Circulatory Determination of Death, San Diego, CA. "Death or DCDD Donation: Which Comes First?" (May 16, 2009)
47. Greenwall Foundation 60th Anniversary Symposium, New York, NY. "The ethics of allocating scarce medical resources in a public health emergency." (June 1, 2009)
48. Medical Grand Rounds, San Francisco General Hospital, San Francisco, CA. "Pro-con debate in clinical ethics: should physician assisted suicide be legalized." (June 16, 2009)
49. University of Pittsburgh, Department of Critical Care Medicine Research Retreat: strategies to enhance the patient-physician-family triad in critical illness. "A multi-component intervention to improve surrogate decision making for critically ill patients." (September 9, 2009)
50. American Thoracic Society Leadership Retreat, Chicago, IL. "Implementing a conflict of interest management strategy." (September 30, 2009)
51. Grand Rounds, Department of Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA. "Allocating scarce resources during an H1N1 epidemic: using ethical principles to improve public policy." (October 28, 2009)
52. Greenwall Foundation Annual Meeting, Invited research seminar, San Francisco, CA. "The ethics of conscientious refusal in intensive care units." (November 18, 2009)
53. American Thoracic Society Board of Directors Meeting, New York City, NY. "Conflict of interest and professional medical societies." (December 10, 2009)

## **2010**

54. Society for Critical Care Medicine International Conference, Miami, FL. "Determining patient preferences and the family's role in decision making in ICUs." (January 11, 2010)
55. Society for Critical Care Medicine International Conference, Miami, FL. "Ethical issues in organ donation after circulatory determination of death." (January 11, 2010)
56. Fellows Career Week, University of Pittsburgh, Department of Medicine, Seven Springs, PA: "Lung Injury." (January 26, 2010)
57. HSR Seminar Lecture, Parkvale Building, Pittsburgh, PA: "The physician's role in surrogate decision making: Clarifying the options." (February 2, 2010)

58. Center for Bioethics and Health Law Colloquium, University of Pittsburgh, Pittsburgh, PA. "The ethics of withdrawing life support from an incapacitated patient who lacks a surrogate decision maker and an advance directive." (February 5, 2010)
59. Pulmonary Grand Rounds, University of Pittsburgh, Division of Pulmonary, Allergy, and Critical Care Medicine, Pittsburgh, PA: "Disclosing news of a poor prognosis to surrogate decision makers in ICUs." (February 26, 2010)
60. 30th Myron B. Laver International Postgraduate Course, University of Basel, Basel, Switzerland. "Justice and the allocation of scarce resources." (March 27, 2010)
61. Messer lecture and Annual Ethics Update, Center for Bioethics and Health Law, University of Pittsburgh, Pittsburgh, PA. "The ethics of organ donation practices built on biological fictions." (April 16, 2010)
62. International Conference of the American Thoracic Society, New Orleans, LA. "Practicing critical care medicine in morally pluralistic societies." (Scientific symposium) (May 18, 2010)
63. International Conference of the American Thoracic Society, New Orleans, LA. "A randomized controlled trial of two methods to disclose prognostic information to surrogates of seriously ill patients." (May 19, 2010)
64. Fellows' Research Symposium. University of Pittsburgh Division of Pediatric Critical Care Medicine. "Studying surrogate decision making in pediatric ICUs." (July 26, 2010)
65. American Thoracic Society Policy Committee on Conscientious Objection. Pittsburgh, PA. "What ethical considerations may constrain physicians' freedom to act on a conscientious objection?" (July 29, 2010)
66. Association of Organ Procurement Organizations Symposium on Organ Donation after Circulatory Determination of Death. Web Conference. "The ethics of DCD in conscious patients with high spinal cord injuries." (October 5, 2010)
67. European Society of Intensive Care Medicine, Barcelona, Spain. "Barriers to family consent for organ donation: Can we improve it?" (October 12, 2010)
68. European Society of Intensive Care Medicine, Barcelona, Spain. "The ethics of noninvasive ventilation for patients with 'Do Not Intubate' orders." (October 12, 2010)
69. European Society of Intensive Care Medicine International Congress, Barcelona, Spain. "How ICU organizational structure can improve surrogate decision making." (October 12, 2010)
70. CRRTeams Conference. Pittsburgh PA. "Ethical challenges of unilaterally refusing to provide hemodialysis." (October 21, 2010)
71. CRISMA Conference. University of Pittsburgh, Department of Critical Care Medicine, Pittsburgh, PA. "ATS Development of Guidelines to Handle Clinicians' Conscientious Objection in ICUs." (October 26, 2010)
72. Medical Grand Rounds, Temple University School of Medicine. Philadelphia, PA. "Misunderstandings and disbelief: Talking with surrogate decision makers in ICUs." (November 10, 2010)
73. Center for Bioethics and Health Law Colloquium, University of Pittsburgh, Pittsburgh, PA. "Would Accommodating Some Conscientious Objections by Providers Improve the Quality of Medical Care?" (December 3, 2010)

## **2011**

74. International Meeting of the Society for Critical Care Medicine, San Diego, CA. "Is Age-Based Rationing of ICU Beds Permissible?" (January 16, 2011)
75. International Meeting of the Society for Critical Care Medicine, San Diego, CA. "The Ethics and Politics of Rationing." (January 16, 2011)
76. International Meeting of the Society for Critical Care Medicine, San Diego, CA. "Is the Concept of Futility Helpful?" (January 18, 2011)



77. Consortium Ethics Program, University of Pittsburgh, Pittsburgh PA. "Decision Making about Life Support for Incapacitated Patients Who Lack a Surrogate." (March 7, 2011)
78. CRISMA Center Research Symposium, University of Pittsburgh, Pittsburgh, PA. "A Randomized Trial of Two Types of Language to Disclose Prognostic Estimates to Surrogates in ICUs" (March 8, 2011)
79. Aging Institute, University of Pittsburgh. "Elucidating Mechanisms of Physician-Surrogate Discordance about Prognosis in ICUs" (March 10, 2011)
80. Thomas Badger Memorial Lecture, American Lung Association of New England. Boston, MA. "Preventing and Resolving Futility Disputes" (April 6, 2011).
81. University of Pittsburgh Comparative Effectiveness Working Group, Pittsburgh, PA. "A Multi-Faceted Intervention to Improve the Outcomes of Surrogate Decision-Making for Elderly Critically Ill Patients" (April 11, 2011).
82. Messer Annual Bioethics Conference, University of Pittsburgh, Pittsburgh, PA. "The Ends of Medicine Near the End of Life" (April 15, 2011).
83. Ethics Grand Rounds, Temple University Medical Center, Philadelphia, PA. "The Distinction Between Futile and Potentially Inappropriate Treatment" April 20, 2011.
84. American Thoracic Society International Conference, Denver, CO. "Communicating with Patients and Families About Prognosis and Advanced Care Planning". May 18, 2011.
85. American Thoracic Society International Conference, Denver, CO. "How Else Could Conflicts about Potentially Inappropriate Treatment be Resolved?" May 18, 2011.
86. Program on Ethics and Decision Making in Critical Illness; The CRISMA (Clinical Research, Investigation, and Systems Modeling of Acute Illness) Center, Department of Critical Care Medicine, University of Pittsburgh. "More than a Misunderstanding: Mechanisms of Physician-Surrogate Discordance about Prognosis". June 7, 2011.
87. John Zinn Memorial Lecture; Connecticut Thoracic Society Annual Meeting and Scientific Sessions, New Haven, CT. "Preventing and Resolving Futility Disputes". October 12, 2011
88. HCA Clinical Ethics Conference Webinar; "Rethinking Interventions to Improve Surrogate Decision Making in Intensive Care Units". November 11, 2011.
89. Critical Care Canada Forum, Toronto, ON. "Resolving Intractable Disputes about Goals of Care in ICUs". November 14, 2011.
90. Critical Care Canada Forum, Toronto, ON. "Understanding Physician-Surrogate Discordance about Prognosis". November 16, 2011
91. Critical Care Canada Forum, Toronto, ON. "Clinicians' Conscientious Objections to Provide Life Support to Patients with End Stage Illness". November 16, 2011.
92. The CRISMA Center Research Meeting, Department of Critical Care Medicine, University of Pittsburgh. "Identifying reasons for discordance about prognosis between physicians and surrogates in ICUs: a mixed methods study". December 6, 2011

## **2012**

93. Samuel Frumpkin Honor Lecture, Norwalk Hospital, Norwalk, CT. "Resolving Conflicts about Futile and Potentially Inappropriate Treatment". March 8, 2012
94. Critical Care Medicine Grand Rounds, Department of Critical Care Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA. "Responding to Requests for a Futile or Potentially Inappropriate Treatments in ICU's". March 14, 2012.

95. American Thoracic Society International Conference, San Francisco, CA. "Establishing Substantive Criteria For Defining Inappropriate Care". May 23, 2012.
96. International Society of Advanced Care Planning and End of Life Care Conference, Chicago, IL. "Strategies to Improve Surrogate Decision Making for Patients with Advanced Critical Illness". May 31, 2012.
97. Program on Ethics and Decision Making in Critical Illness; The CRISMA (Clinical Research, Investigation, and Systems Modeling of Acute Illness) Center, Department of Critical Care Medicine, University of Pittsburgh. "The Updated ATS Policy Statement of Management of Requests for Futile or Potentially Inappropriate Treatment". June 5, 2012.
98. American Society for Bioethics and Humanities Annual Meeting, Washington, DC. "Futility in the ICU: What Every Clinical Ethicist Needs to Know about Revised Multiprofessional Society Guidelines". October 19, 2012.
99. Critical Care Canada Forum, Toronto, ON. "The value of an ICU Trial". October 28, 2012.
100. Critical Care Canada Forum, Toronto, ON. "Five Strategies to improve surrogate decision making in ICUs." October 29, 2012.
101. Critical Care Canada Forum, Toronto, ON. "Giving Recommendations to Surrogates in ICUs: Not Whether, But How". October 30, 2012
102. The CRISMA Center Research Meeting, Department of Critical Care Medicine, University of Pittsburgh. "2013 ATS/SCCM/ESICM Policy Statement on Responding to Requests for Futile and Inappropriate Treatment". December 4, 2012.

### **2013**

103. Critical Care Grand Rounds, Columbia University, College of Physicians and Surgeons, New York, NY. "Understanding the Causes of Surrogates' Misperceptions about Prognosis in ICUs". March 28, 2013.
104. 22nd Annual Medical Ethics Update Conference, University of Pittsburgh, Pittsburgh, PA. "Responding to Requests by Patients or Surrogates for Potentially Inappropriate Treatment". March 29, 2013.
105. Medical Futility Conference, Case Western Reserve University, Cleveland, OH. "Resolving Conflicts about Futile and Potentially Inappropriate Treatment". April 12, 2013.
106. American Thoracic Society International Conference, Philadelphia, PA. "Moving Beyond Rationality: Critical Concepts That Can Improve Our Clinical and Research Approach to Surrogate End Of Life Decision Making". May 19, 2013.
107. American Thoracic Society International Conference, Philadelphia, PA. "The Ethics of Physicians Reining in Their Own Practices". May 20, 2013.
108. American Thoracic Society International Conference, Philadelphia, PA. "When ICU Clinicians Morally Object To "Futile" Care". May 21, 2013.
109. American Thoracic Society International Conference, Philadelphia, PA. "Summarizing Reasons for And Against Accommodating CBOs." May 20, 2013.
110. Division of Pulmonary, Allergy, and Critical Care Medicine Grand Rounds, University of Pittsburgh School of Medicine. "Managing Requests for Futile or Potentially Inappropriate Treatment". May 24, 2013.
111. Goldstein Lectureship and Visiting Professor; Medical Grand Rounds; Department of Medicine; University of Toronto School of Medicine; "Responding to Requests for Futile or Potentially Inappropriate Treatment". October 1, 2013.
112. Grand Rounds; Department of Critical Care Medicine; University of Toronto School of Medicine; "Understanding the Causes of Physician-Surrogate Discordance about Prognosis in ICUs". October 2, 2013.

113. Invited Seminar; Department of Critical Care Medicine; University of Toronto School of Medicine; "How to Elicit Incapacitated Patients' Values from Surrogates and Make Treatment Recommendations". October 2, 2013.
114. Invited Pre-conference Workshop; American Society of Bioethics and Humanities Annual Meeting; "Writing Winning Aims for Bioethics Research". Atlanta, GA. October 24th, 2013.
115. Invited Research Talk; American Society of Bioethics and Humanities Annual Meeting; "Surgeons, Intensivists, and Discretion to Refuse Requested Treatments". Atlanta, GA. October 25th, 2013.
116. Invited Presentation; The Greenwall Foundation Board of Directors; "Developing New Funding Mechanisms for Empirical Bioethics Research". New York City, NY. November 4, 2012.
117. Grand Rounds; Department of Pulmonary, Allergy, and Critical Care. Cleveland Clinic. "Responding to Requests for Futile or Potentially Inappropriate Treatment". Cleveland, OH; November 20, 2013.
118. Bioethics Research Seminar; Department of Bioethics. Cleveland Clinic. "Managing Clinicians' Conscientious Objections in Intensive Care Units". Cleveland, OH; November 21, 2013.

## **2014**

119. Grand Rounds, Department of Medicine; Albert Einstein College of Medicine; Montefiore Medical Center; "Improving Surrogate Decision Making for Patients with Advanced Critical Illness". New York City, NY. January 29, 2014.
120. Plenary Lecture, Montefiore Einstein Center for Bioethics; Albert Einstein College of Medicine; "Moving the Policy Debate Forward on Managing Requests for Futile or Potentially Inappropriate Treatment". New York City, NY. January 30, 2014.
121. Grand Rounds, Department of Medicine, University of Chicago School of Medicine. "Responding to Requests for Futile of Potentially Inappropriate Treatment". Chicago, IL. March 18, 2014.
122. Provost Inaugural Lecture; University of Pittsburgh School of Medicine; "Why is there a Disconnect about Prognosis between Physicians and Surrogates in Intensive Care Units". Pittsburgh, PA. March 28, 2014
123. Shallenberger Lecture; Berman Institute of Bioethics; Johns Hopkins University; "Responding to Requests for Futile or Potentially Inappropriate Treatment". Baltimore, MD; April 14, 2014.
124. Bioethics Research Seminar; Berman Institute of Bioethics; Johns Hopkins University; "Managing Clinicians' Conscientious Objections in Intensive Care Units". Baltimore, MD; April 15, 2014.
125. Hecht-Levi Postdoctoral Fellows Research Seminar; Berman Institute of Bioethics; Johns Hopkins University; "Understanding the Causes of Physician-Surrogate Discordance about Prognosis in ICUs". Baltimore, MD; April 15, 2014.
126. Research Seminar; Center for Bioethics and Social Sciences in Medicine; University of Michigan School of Medicine. "Why is there a Disconnect about Prognosis between Physicians and Surrogates in Intensive Care Units?" Ann Arbor, Michigan; May 8, 2014.
127. American Thoracic Society International Conference, San Diego, CA. "The Ethics of ACOs: Incentives to Steer Providers Toward a More Professional Ethos." May 18, 2014.
128. American Thoracic Society International Conference, San Diego, CA. "Is Deciding Whether or Not to Admit a Critically Ill Patient to the ICU Really an Issue?" May 21, 2014.
129. American Thoracic Society International Conference, San Diego, CA. "Deciding When to Say Yes or No Requires Training and Experience, but Should be Part of Daily Critical Care." May 21, 2014.
130. Grand Rounds, Department of Medicine; UCLA School of Medicine, Los Angeles, CA. "Why is there a Disconnect about Prognosis between Physicians and Surrogates in Intensive Care Units?" June 27, 2014.

131. American Society for Bioethics and Humanities International Conference, San Diego, CA. "New Ethics-Related ICU Consensus Statements: What Every Clinical Ethics Consultant Needs to Know." October 16, 2014
132. American Society for Bioethics and Humanities International Conference, San Diego, CA. "Developing and Testing Patient-Centered Decision Aids." October 18, 2014
133. American Society for Bioethics and Humanities International Conference, San Diego, CA. "When ICU Clinicians invoke conscience- based objections to deny life prolonging treatment to patients with advanced illness." October 18, 2014
134. Quality Symposium; Center for Connected Medicine. University of Pittsburgh School of Medicine. "Ethically Responding to Requests from Surrogates for Potentially Inappropriate Treatment." Pittsburgh, PA. December 8, 2014.

## **2015**

135. PACCM Fellows Retreat. University of Pittsburgh School of Medicine. "Center for Bioethics and Health Law/Health Policy and Management." February 4, 2015.
136. Grand Rounds, Division of Palliative Medicine. University of Pennsylvania School of Medicine. "Responding to Requests for Futile or Potentially Inappropriate Treatments." February 17, 2015
137. Grand Rounds, Department of Medical Ethics and Health Policy. University of Pennsylvania School of Medicine. "Why is there a Disconnect about Prognosis between Clinicians and Surrogates in the ICUs?" February 17, 2015
138. Center for Bioethics and Health and Law Colloquium. University of Pittsburgh. "Should (and can) Clinicians in ICUs engage in shared-decision making with Patients/Surrogates for all preference sensitive decisions?" February 27, 2015.
139. Grand Rounds, Division of Palliative Medicine, Harvard Medical School. "Why is there a disconnect about prognosis between clinicians and surrogates in the ICUs?" March 11, 2015.
140. Grand Rounds, Department of Pulmonary Medicine, Harvard Medical School. "Improving surrogate decision-making in ICUs." March 11, 2015.
141. Grand Rounds, Division of Pulmonary and Critical Care Medicine; UCSF School of Medicine. San Francisco, CA. "Improving Surrogate Decision Making for Patients with Advanced Critical Illness". March 16, 2015.
142. Peterson Lectureship, Division of Palliative Medicine, University of Wisconsin School of Medicine. Madison, WI. "Why is there a disconnect about prognosis between clinicians and surrogates in the ICUs?" April 8, 2015
143. The Greenwall Foundation Faculty Scholars Program, Chicago, IL. "Writing winning aims for Bioethics research: A hands-on workshop." April 20, 2015.
144. Vermont Bioethics Network Conference, Midwest Care Alliance. Burlington, VT. "Responding to Requests for Futile and Potentially Inappropriate Treatments." April 29, 2015.
145. Vermont Bioethics Network Conference, Midwest Care Alliance. Burlington, VT. "Understanding the causes of misperceptions about prognosis between clinicians and surrogates in the ICUs." April 29, 2015.
146. Jim Barlow Memorial Lecture, Bioethics Network of Ohio. Dublin, OH. "Responding to Requests for Futile and Potentially Inappropriate Treatments." May 1, 2015.
147. Bioethics Network of Ohio. Dublin, OH. "Understanding the causes of misperceptions about prognosis between clinicians and surrogates in the ICUs." May 1, 2015.

148. Communication is Serious Illness Conference, Duke University School of Medicine. Durham, NC. "Shared Decision-making in serious illness." May 4, 2015.
149. Grand Rounds, University of Arkansas School of Medicine. Little Rock, AR. "Responding to Requests for Futile or Potentially Inappropriate Treatment from Surrogates." May 7, 2015.
150. ESICM 28<sup>th</sup> Annual Congress, Berlin, Germany. "Physician-Assisted Suicide: Game over for humanity?" October 5, 2015
151. ESICM 28<sup>th</sup> Annual Congress, Berlin, Germany. Session Chair. October 6, 2015.
152. ESICM 28<sup>th</sup> Annual Congress, Berlin, Germany. "North America: Expensive treatments not to be provided" October 6, 2015
153. ESICM 28<sup>th</sup> Annual Congress, Berlin, Germany. "Do we need a God for the decision?" October 7, 2015.
154. Society for Medical Decision Making 37<sup>th</sup> Annual meeting, St. Louis, MO. Symposium "Do the right thing – Ethics, Decision science and Implementation: an interdisciplinary symposium" October 20, 2015.
155. Critical Care Canada Forum, Toronto, Canada. Fellow's Day "Misinterpreting Prognosis: A Differential Diagnosis." October 25, 2015.
156. Critical Care Canada Forum, Toronto, Canada. "Prognosticating: Understanding Misconceptions." October 26, 2015.
157. Critical Care Canada Forum, Toronto, Canada. "Requests for Potentially Inappropriate Treatment." October 27, 2015.

## **2016**

158. Grand Rounds, University of Penn State- Hershey. Hershey, PA. "Understanding the causes of misperceptions about prognosis in intensive care units." January 15, 2016.
159. PACCM Research Retreat. Seven Springs, PA. "Center for Bioethics and Health Law/Health Policy and Management." February 3, 2016.
160. Health Services Research Seminar Series, University of Pittsburgh, Pittsburgh, PA. "Understanding the cause of physician-family discordance about prognosis in ICUs." February 4, 2016.
161. 30<sup>th</sup> Annual Meneely/George Lecturer, Division of Pulmonary, Critical Care and Sleep Medicine, LSU School of Medicine, Shreveport, LA. "Responding to requests for futile or potentially inappropriate treatment." February 9, 2016.
162. Grand Rounds, University of Pittsburgh, Department of Medicine. Pittsburgh, PA. "Improving communication and decision making in serious illness." February 16, 2016.
163. Grand Rounds, New York University, Division of Pulmonary, Critical Care and Sleep Medicine, New York, NY. "Why is there a disconnect about prognosis between physicians and surrogates in ICU's?" March 30, 2016.
164. Grand Rounds, University of Pittsburgh, Department of Internal Medicine, Pittsburgh, PA. "Beyond misunderstandings: exploring the causes of surrogate decision maker's misperceptions about prognosis in ICUs." April 14, 2016.
165. American Thoracic Society International Conference, San Francisco, CA. "Great expectations: Using digital tools to assist ICU patient, families, and clinicians with shared decision making." May 16, 2016.
166. ESICM Lives 2016, Milan, Italy. "Shared decision-making." October 3, 2016.
167. ESICM Lives 2016, Milan, Italy. Session Chair. October 3, 2016.

168. 6<sup>th</sup> Annual Palliative Care Across the Lifespan Conference, Toledo, OH. "Responding to requests for futile or potentially inappropriate treatment." November 16, 2016.
169. 6<sup>th</sup> Annual Palliative Care Across the Lifespan Conference, Toledo, OH. "Understanding the causes of misperceptions about prognosis by family members of critically ill patients." November 16, 2016.

## **2017**

170. Grand Rounds, University of Texas Southwestern, Division of Ethics, Dallas, TX. "Responding to requests for futile or potentially inappropriate treatment." March 14, 2017.
171. Grand Rounds, University of Alabama at Birmingham, Department of Medicine, Birmingham, AL. "Why is there a disconnect about prognosis between physicians and surrogate decision-makers in the ICUs?" March 29, 2017.
172. Grand Rounds, University of Alabama at Birmingham, Center for Bioethics and Medical Humanities, Chicago, IL. "Responding to requests for futile or potentially inappropriate treatment." March 30, 2017.
173. Grand Rounds, Northwestern University, Department of Medicine, Division of Pulmonary, Birmingham, AL. "Understanding the causes of misperceptions about prognosis among surrogate decision-makers." April 21, 2017.
174. American Thoracic Society International Conference, Washington, DC. "The (ambiguous) role of autonomy in surrogate decision-making." May 24, 2017.
175. Grand Rounds, HealthPartners Medical Group, St. Paul, MN. "Responding to requests for futile or potentially inappropriate treatment." May 31, 2017.
176. 6<sup>th</sup> Annual Palliative Care Conference, Pittsburgh, PA. "Ethical issues." September 14, 2017.
177. ESICM Lives 2017, Vienna, Austria. "Talking about talking: Is communication our most important skill?" September 25, 2017.
178. ESICM Lives 2017, Vienna, Austria. "That patient comes first, or population comes first?" September 26, 2017.
179. ESICM Lives 2017, Vienna, Austria. Session Chair. September 27, 2017.
180. Critical Care Canada Forum, Toronto, Canada. Fellow's Day "Why an ICU trial doesn't help." October 1, 2017.
181. Critical Care Canada Forum, Toronto, Canada. Session moderator: Interdisciplinary quality care. October 2, 2017.
182. Critical Care Canada Forum, Toronto, Canada. Editorial comment: Fowler/Yarnell JAMA release." October 2, 2017.
183. Critical Care Canada Forum, Toronto, Canada. "What is shared decision making?" October 2, 2017.
184. Critical Care Canada Forum, Toronto, Canada. "Prognosis- Why misperceptions?" October 4, 2017.
185. 11<sup>th</sup> Annual Kathleen Foley Palliative Care retreat, Jackson Hole, WY. "Understanding and overcoming misperceptions about prognosis in the ICUs." October 24, 2017.

## **2018**

186. Invited speaker. "Mixed methods research in end-of-life care." University of Utah T32 Nurse Scientist Training program research seminar. Pre- and Postdoctoral Fellowships in Interdisciplinary Training in cancer, caregiving, & end-of-life care. February 28, 2018.

187. Grand Rounds, Providence St. Vincent Medical Center, Portland, OR. "How to make sense of it all: Prognosis and surrogate decision making in the ICU." April 10, 2018.
188. Open forum, Providence St. Vincent Medical Center, Portland, OR. "Primary palliative care in the ICU: Barriers, advances and unmet needs." April 10, 2018.
189. Grand Rounds, Providence Portland Medical Center, Portland, OR. "How to make sense of it all: Prognosis and surrogate decision making in the ICU." April 11, 2018.
190. Open forum, Providence Portland Medical Center, Portland, OR. "Do everything! Responding to requests for futile and potentially inappropriate treatments" April 11, 2018.
191. WellStar Annual Ethics Conference, Atlanta, GA. "Responding to requests for futile and potentially inappropriate treatments." May 8, 2018.
192. National Academy of Medicine Expert meeting, Washington D.C. "Setting the stage for the meeting." May 17, 2018.
193. National Academy of Medicine Expert meeting, Washington, DC. "Strategies to improve surrogate decision making for incapacitated seriously ill patients." May 17, 2018.
194. American Thoracic Society International Conference, San Diego, CA. "A stepped wedge randomized controlled trial of a pragmatic, nurse-led intervention to support surrogate decision makers in ICUs." May 23, 2018.
195. Critical Care Canada Forum, Toronto, Canada. Fellow's Day "When the family doesn't get it: a differential diagnosis." October 6, 2018.
196. Critical Care Canada Forum, Toronto, Canada. "Responding to requests for futile or potentially inappropriate treatment." October 9, 2018.
197. Critical Care Canada Forum, Toronto, Canada. "Results and reflections from the PARTNER trial." October 9, 2018.
198. Plenary address. Bioethics Symposium, Hackensack Meridian Health Center, Hackensack, NJ. "Surrogate decision making: Effective collaboration for better outcomes." November 13, 2018.

## **2019**

199. Stanford-Surgery Policy Improvement Research and Education Center (S-SPIRE Monthly Work-In-Progress Session talk) "Conducting Trials of Interventions to Improve Communication and Decision Making in ICUs." March 4, 2019
200. Grand Rounds, Stanford University, Department of Medicine, Palo Alto, CA. "Improving Surrogate Decision-making for critically ill patients." March 6, 2019
201. Research Seminar, Stanford Center for Biomedical Ethics, Stanford University; Palo Alto, CA. "Responding to Requests for Futile or Potentially Inappropriate Treatments." March 5, 2019.
202. Pulmonary Grand Rounds, Stanford University, Division of Pulmonary and Critical Care, Palo Alto, CA. "Why do surrogates in ICUs have optimistic expectations about prognosis?" March 6, 2019
203. Cowan Lectureship and Grand Rounds, University of Utah School of Medicine, Department of Medicine; Salt Lake City, UT. "Improving Surrogate Decision-making for Patients with Advanced Illness." March 7, 2019
204. Ethics Seminar, University of Utah School of Medicine, Medical Ethics and Humanities, Salt Lake City, UT. "Ethical and practical challenges with shared decision making in serious illness." March 7, 2019
205. Cowan Memorial Public Lecture; University of Utah, School of Medicine, Medical Ethics and Humanities, Salt Lake City, UT. "Responding to requests for futile or potentially inappropriate treatment." March 7, 2019

206. 39<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium. "When the family just doesn't get it." March 21, 2019
207. 39<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium. "Improving communication with the relatives -." March 22, 2019
208. 39<sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium. "Responding to requests for futile or inappropriate treatment." March 22, 2019
209. American Thoracic Society International Conference, Dallas, TX. "Supporting and Engaging Families: Strategies That Work." May 5, 2019
210. Invited speaker. University of Pittsburgh, School of Medicine, Palliative Care Interest Group; Pittsburgh, PA. "Improving the Support of Surrogate Decision Makers in ICUs." Oct 1, 2019.
211. Medical Grand Rounds, Rutgers University, Rutgers Robert Wood Johnson Medical School, Newark, NJ. "Improving Surrogate Decision-making for Patients with Advanced Illness" Oct 9, 2019.
212. 21st Annual meeting of the American Society for Bioethics & Humanities, , Pittsburgh, PA. "Not a Candidate": Exploring Non-Candidacy as a Form of Unilateral Decision-Making in Medical Practice" Oct 25, 2019
213. 21st Annual American Society for Bioethics & Humanities, ASBH Medical Decision-Making Affinity Group, Pittsburgh, PA. "Strategies to Improve Surrogate Decision-Making in the ICU" Oct 25, 2019
214. 38<sup>th</sup> Annual Lecture Series, University of Chicago, MacLean Center for Clinical Medical Ethics, Chicago, IL. "The Present and Future of the Doctor-Patient Relationship" Nov 6, 2019
215. Critical Care Canada Forum, Toronto, Canada. "When physicians and surrogates disagree" Nov 10, 2019
216. Critical Care Canada Forum, Toronto, Canada. "When the Family Just Doesn't Get it: Navigating Disagreements About Prognosis" Nov 11, 2019
217. Critical Care Canada Forum, Toronto, Canada. "Supporting Surrogate Decision-Makers in ICUs: Strategies That Work" Nov 11, 2019

## **2020**

218. PACCM Fellows Retreat. University of Pittsburgh School of Medicine. "Studying Surrogate Decision Making in the Context of Critical Illness." February 5, 2020.
219. International Pediatric ICU collaboration. "A Framework for Allocating Scarce Critical Care Resources During the COVID-19 Pandemic." Delivered by videoconference. March 28, 2020
220. American Thoracic Society Division Directors' Forum, Videoconference. "Tragic Choices During the COVID-19 Pandemic." Delivered by videoconference. March 29, 2020
221. Mid-Atlantic Regional Public Health Training Center. University of Pittsburgh, Center for Bioethics and Health Law. Videoconference. "Pandemic Policies & Practices-A Conversation on Allocating Scarce Resources" May 12, 2020
222. European Society of Intensive Care Medicine; COVID-19 Half Marathon. "Fairly Allocating Scarce Ventilators and Anti-viral Medications During the COVID-19 Pandemic." Delivered by videoconference. May 16, 2020
223. Greenwall Foundation Board of Directors Annual Meeting. Videoconference. "Ethical Responses To Medical Scarcity during the COVID-19 Pandemic"; May 19, 2020
224. Grand Rounds, University of Wisconsin School of Medicine and Public Health, Department of Medicine. Madison, Wisconsin. Videoconference. "Rationing Ventilators During the COVID-19 Pandemic"; May 22, 2020.



225. GeriPal Podcast. "Fair allocation of medications to treat COVID-19 within hospitals"; May 29, 2020
226. Research Seminar, Hospital Association of Pennsylvania, "Fair Allocation of Scarce COVID-19 Medications During the Pandemic." Delivered by videoconference. June 15, 2020.
227. Critical Care Research Seminar, Dartmouth Geisel School of Medicine, "Ethical Resource Allocation in the COVID-19 Era." Delivered by videoconference. June 18, 2020.
228. Grand Rounds, Boston Children's Hospital, "Allocating medical resources when there are not enough for everyone." Delivered by videoconference. June 24, 2020.
229. Massachusetts Department of Public Health, Crisis Standards of Care Advisory Committee, "Ethical Allocation of Scarce Critical Care Resources and COVID-19 Medications." Delivered by videoconference. September 3, 2020.
230. WJ Sibbald Symposium, Critical Care Canada Forum, "How to Allocate Scarce Resources During a Pandemic." Delivered by videoconference. October 7, 2020.
231. Annual Conference of the American Society of Bioethics and Humanities, Hospice & Palliative Medicine Affinity Group, "The Role of Palliative Care Clinicians in Allocating Scarce Medical Resources During the COVID-19 Pandemic." Delivered by videoconference. October 16, 2020.
232. Keynote speaker, UnityPoint Health-Meriter Health System Fall Ethics Conference, "Who Lives? Who Dies? Grappling with Ethical Decision-making in a Pandemic". Delivered by videoconference. November 6, 2020
233. Pennsylvania Geriatrics Society, "Ethical Allocation of Scarce COVID-19 Medications". Delivered by videoconference. November 10, 2020.
234. Endowed Lectureship, Office of Diversity and Inclusion, Oklahoma University College of Medicine, "Mitigating Inequities and Saving Lives with ICU Triage during the COVID-19 Pandemic". Delivered by videoconference. November 12, 2020.
235. The National Academies of Sciences, Engineering, and Medicine, Workshop on Allocation of COVID-19 Monoclonal Antibody Therapies and Other Novel Therapeutics, "Mitigating Inequities with a Weighted Lottery to Allocate Scarce COVID-19 Medications". Delivered by videoconference. December 17, 2020.

## **2021**

236. Pennsylvania State University, Department of Medicine Grand Rounds, "Promoting Equity and Saving Lives with ICU Triage During the COVID-19 Pandemic". Delivered by videoconference. February 2, 2021.
237. Society of Critical Care Medicine, 50<sup>th</sup> Critical Care Congress, "So Many Cooks in the Kitchen: Getting on the Same Page with Structured Care Conference Protocols". Delivered by recorded video. February 4, 2021.
238. Society of Critical Care Medicine, 50<sup>th</sup> Critical Care Congress, "Resource Allocation: Guiding Difficult Decisions". Feb 3, 2021
239. Society of Critical Care Medicine, 50<sup>th</sup> Critical Care Congress, "Making Decisions in ICUs for Unrepresented Patients: Ethical Issues and New Recommendations". Delivered by videoconference. Feb 8, 2021
240. 39<sup>th</sup> Annual Lecture Series, University of Chicago, MacLean Center for Clinical Medical Ethics, Chicago, IL. "Equity, Efficiency, and ICU Triage during the COVID-19 Pandemic". Delivered by videoconference. March 17, 2021.
241. Nair Memorial Lectureship, Norwalk Hospital, Department of Medicine Grand Rounds, "Promoting Equity and Saving Lives with ICU Triage During the COVID-19 Pandemic". Delivered by videoconference. May 6, 2021.

242. NYU School of Medicine, Department of Medicine Grand Rounds, "Achieving patient- and family-centered care in intensive care units". Delivered by videoconference. May 12, 2021.
243. American Thoracic Society International Conference. "Development and Implementation of a Multicenter Weighted Lottery to Equitably Allocate Scarce COVID-19 Medications". Delivered by videoconference. May 15, 2021
244. Dartmouth Geisel School of Medicine, Department of Medicine Grand Rounds, "Promoting Equity and Saving Lives with ICU Triage During the COVID-19 Pandemic". Delivered by videoconference. June 11, 2021.
245. University of Pittsburgh School of Medicine, Department of Medicine Grand Rounds, "Equity and the Allocation of Scarce COVID-19 Medications". Delivered by videoconference. June 15, 2021.

### Other Research-Related Activities

2008	California Department of Public Health	Advisor, Crisis Standard of Care Workgroup
2008	U.S. Health Research and Services Administration (HRSA)	Member, Committee on Organ Donation after Cardiac Death
2009-10	American Thoracic Society, Society for Critical Care Medicine, United Network for Organ Sharing	Executive Writing Committee, Joint Workshop on the Ethical and Policy Considerations in Organ Donation after Circulatory Determination of Death (DCDD)
2009-10	World Health Organization	Expert panelist, Task Force on the Harmonization of Medical Countermeasures for Acute Radiation Sickness
2009-11	U.S. Department of Health and Human Services, Office of Preparedness and Emergency Operations (HHS/OPEO)	Member, Committee on the Allocation of Scarce Resources During the Response to an Improvised Nuclear Device (IND)
2009	Johns Hopkins University	External advisor, development of "Framework for the Fair Allocation of Scarce Critical Care Resources During Epidemics of Novel Respiratory Pathogens."
2009	University of California, San Francisco	Member, Study section, NIH-KL2 career development awards in multidisciplinary clinical research.
2009-10	American Thoracic Society	Writing Committee, Workshop on Palliative Management of Crisis Dyspnea
2010-12	Society for Critical Care Medicine	Steering Committee member, Internal Medicine Section
2010-14	American Thoracic Society	Chair, Writing Committee, Policy statement on Conscientious Objection in ICUs

2011-14	American Thoracic Society	Chair, Writing Committee, Policy statement on responding to requests for potentially inappropriate treatment.
2011	National Quality Forum	Steering Committee member, Palliative Care and End-of-Life Care
2012-14	Society for Critical Care Medicine	Co-Chair, Policy Writing Committee for Shared Decision Making in ICU's.
2012-	National Institute of Health	Member, Social and Ethical Issues in Research (SEIR) Study Section
2016	American Thoracic Society	Member, Program Committee for the Assembly on Critical Care
2016	American Thoracic Society	Chair, ATS Writing Group on Unrepresented Patients
2017	American Thoracic Society	Member, CC Aging/Geriatrics working group

## **SERVICE**

### **Memberships**

2003–present	American Thoracic Society
2003–present	Society for Critical Care Medicine
2005–present	Society for Medical Decision-Making
2006–09	California Thoracic Society
2007–present	American Society of Bioethics and Humanities

### **Service to National Academies of Science, Engineering, and Medicine**

2007	Institute of Medicine	Contributing author, “Ethical and Legal Considerations in Mitigating Pandemic Disease”
2009	Institute of Medicine	Expert review panel, “Report on Respiratory Protection for Healthcare Workers in the Workplace against 2009 Novel H1N1 Influenza A”
2018	The National Academies of Sciences	Co-chair, “Improving Patient Outcomes through Effective Caregiver-Clinician Communication Relationships”
2020	The National Academies of Sciences, Engineering, and Medicine	Invited speaker, “Workshop on Allocation of COVID-19 Monoclonal Antibody Therapies and Other Novel Therapeutics”
2021	The National Academies of Sciences, Engineering, and Medicine	Invited reviewer, “Rapid Expert Consultation on Allocating COVID-19 Monoclonal Antibody Therapies and Other Novel Therapeutics”

### **Service to NIH & other governmental organizations:**

2006	National Institutes of Health	Planning Committee, K12 National Meeting
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2012-17	National Institutes of Health	Member, Social and Ethical Issues in Research (SEIR) Study Section
2014	Maryland Department of Health and Mental Hygiene	Expert panelist, Allocation of Scarce Medical Resources Advisory Working Group
2015-17	National Institutes of Health	Chair- NIH Societal and Ethical Issues in Research (SEIR) study section
2016	National Institutes of Health and National Heart, Lung, and Blood Institute	Member, HALF-PINT (Heart and Lung Failure – Pediatric Insulin Titration Trial study) DSMB; U01 HL107681 (CCC) and U01 HL108028 (DCC)
2018	National Institutes of Health and National Institute of Nursing Research	Member, Clinical Trial Planning Grant; ZNR1 REV-T34 Scientific Review group
2018	National Institutes of Health and National Heart, Lung, and Blood Institute	Member, Elafin Therapy in Pulmonary Arterial Hypertension DSMB
2018	Swiss National Science Foundation	Grant review panel
2018	Ireland Health Research Board	Grant review panel
2019	National Institutes of Health	Member, Special Emphasis Panel- ZNR1 REV-T (34)- NINR Clinical Trial Planning Grant
2020	National Heart, Lung, and Blood Institute	DSMB member; “Elafin Therapy for Pulmonary Arterial Hypertension”. P01 HL108797, PI: M Rabinovitch
2020	National Institute on Aging	DSMB member- NIA Project to Improve Communication about Serious Illness (PICS) - Hospital Study
2020	Commonwealth of Pennsylvania Department of Health, Hospital + Healthsystem Association of Pennsylvania (HAP)	Steering Committee Member, Pennsylvania Crisis Standards of Care for Pandemic Guideline writing committee
2020	National Institute of Allergy and Infectious Diseases	Standing Member, COVID-19 DSMB
2020	Commonwealth of Pennsylvania, Department of Health	Member, COVID-19 Vaccine Allocation Committee
2020	Commonwealth of Pennsylvania, Department of Health	Member, Committee on the Ethical Allocation of Scarce COVID-19 Therapeutics

### **Service to Professional Journals**

#### Associate Editor

2019- American Journal of Respiratory and Critical Care Medicine

#### Editorial Board Member:

2012- American Journal of Critical Care  
2013- 2015 Medical Decision Making  
2014- Annals of the American Thoracic Society  
2020- Chest

## Service to Professional Organizations

2005–07	Society for Critical Care Medicine	Member, Task Force on Non-Invasive Ventilation
2007–present	Association for Organ Procurement Organizations	External Advisor, Ethics Committee
2006–present	California Thoracic Society	Member, Health Care Policy Committee
2008	American Thoracic Society	Chair- poster discussion session. “ <i>Ethics and end-of-life care.</i> ” 102 <sup>nd</sup> International Conference of the American Thoracic Society, Toronto, Canada. May 20, 2008.
2008	American College of Chest Physicians	Chair, symposium: “ <i>Decision-making for the Elderly Critically Ill Patient.</i> ” ACCP Annual International Conference. Philadelphia, PA. November 1, 2008.
2008	American College of Chest Physicians	Chair, symposium: “ <i>An evidence-based approach to the ICU family conference.</i> ” ACCP Annual International Conference. Philadelphia, PA. October 31, 2008.
2009	Society for Medical Decision Making	Abstract reviewer, International Conference
2009–13	American Thoracic Society	Chair, Ethics and Conflict of Interest Committee
2009–10, 2011-12	American Thoracic Society	Member, Critical Care Assembly Program Committee
2009–13	American Thoracic Society	Member, Critical Care Assembly Planning Committee
2010	American Thoracic Society	Chair, International Conference Symposium (Critical Care Track): “ <i>Pro-Con Debates in Critical Care Ethics.</i> ” New Orleans, LA. May, 2010.
2010	American Thoracic Society	Co-Chair, International Conference Poster Discussion Section (Critical Care Track): “ <i>Ethics and End of Life Care.</i> ” New Orleans, LA. May, 2010.
2010	European Society of Intensive Care Medicine	Co-Chair, International Conference Poster Discussion Section: “ <i>Ethics and End of Life Care.</i> ” Barcelona, Spain. October, 2010.
2012	American Thoracic Society	Co-Chair, International Conference Scientific Session: “ <i>What are the boundaries of acceptable medical practice near the end of life in intensive care units?</i> ” San Francisco, CA. May 2012.
2012	American Thoracic Society	Chair, International Conference Poster Discussion Session, “ <i>Ethics and End of Life Care in the ICU.</i> ” San Francisco, CA, May 2012.
2013	American Thoracic Society	Chair, International Conference Scientific Session, “ <i>Improving ICU Decision Making at the End of Life:</i> ”

		<i>Cutting Edge Strategies</i> ". Philadelphia, PA. May 2013.
2013	American Thoracic Society	Chair, International Conference Scientific Symposium, " <i>Is There Room for Conscientious Objections in Critical Care Medicine?</i> " Philadelphia, PA. May 2013.
2013	American Thoracic Society	Moderator, International Conference Poster Session, " <i>Patients, Ethics, and End of Life Care</i> ". Philadelphia, PA. May 2013.
2013	American Thoracic Society	Chair, International Conference Scientific Mini-Symposium. " <i>Care at the End of Life: Room for Improvement, Ideas for Change.</i> " Philadelphia, PA. May 2013.
2013-2014	American Thoracic Society	Member, Critical Care Assembly Program Committee
2014	American Thoracic Society	Member, Ethics and COI Committee
2014	Society of Critical Care Medicine	Moderator, webcast, Controversies in Critical Care: Palliative Sedation in the ICU
2014-2015	American Thoracic Society	Member, Critical Care Assembly Program Committee
2015	American Thoracic Society	Chair, Poster Discussion session, " <i>Improving Patient Experience in Critical Care</i> ", Denver, CO May 2015
2017	American Thoracic Society	Chair, Poster Discussion session, "Improving Family Engagement and Palliative and End of Life Care in the ICU", Washington, DC May 2017
2017	American Thoracic Society	Member, Working group on Aging and Critical Care
2017 – Present	Greenwall Foundation	Member, Planning Committee, Greenwall Foundation Faculty Scholars Program
2018	American Thoracic Society	Co-Chair, Poster Discussion session, "Critical Care: Patient and family engagement, ethics, and palliative care", San Diego, CA May 2018
2020	Rand Corporation	Invited expert, Guidance Committee for Health Care Resource Allocation Decisionmaking During a Pandemic

### **Service to University of Pittsburgh**

#### **Department**

- Director, CRISMA Program on Ethics and Decision Making in Critical Illness, Department of Critical Care Medicine, University of Pittsburgh (2009-present)
- Member, CRISMA Executive Committee, Department of Critical Care Medicine, University of Pittsburgh (2009-present)
- Member, Incentive Committee, Department of Critical Care Medicine, University of Pittsburgh (2009-11)

- Member, Patient Care Workflow Taskforce, Department of Critical Care Medicine, University of Pittsburgh (2009-11)
- Search Committee, Grenvik Endowed Chair in Education, Department of Critical Care Medicine, University of Pittsburgh (2010-11)
- Chair, Promotions and Tenure Committee, Department of Critical Care Medicine, University of Pittsburgh (2015-present)
- Member, Grand Rounds Committee; Department of Critical Care Medicine, University of Pittsburgh (2015-present)
- Member, Executive Committee, Department of Critical Care Medicine, University of Pittsburgh (2016-present)
- Co-chair, Ad hoc Committee on Diversity and Inclusion (2020)
- Steering committee member, Standing Committee on Diversity, Equity, and Inclusion (2020-)

#### School of Medicine

- Chair, Search committee, Chief of Division of General Internal Medicine (2016-17)
- Member, Committee for Tenured Faculty Promotions and Appointments (2016-17)
- Chair, Committee for Tenured Faculty Promotions and Appointments (2017-present)
- Chair, Search committee, Dickie, McCamey & Chilcote Professor of Bioethics (2018-19)
- Member, Search committee, Chief of Division of Pulmonary, Allergy, and Critical Care Medicine (2018-19)
- Member, Committee to Revise Promotion and Tenure Guidelines (2019-20)
- Department Diversity Champion, Department of Critical Care Medicine (2020-)

#### UPMC Health System

- Member, UPMC Presbyterian Ethics Committee (2009-16)
- Member, Circulatory Declaration of Death Subcommittee (2009-10)
- Co-Chair, UPMC Presbyterian-Shadyside Hospitals Ethics Committee (2016-20)
- Member, ICU Service Center Executive Committee; UPMC Health System (2018-present)
- Steering Committee member, UPMC COVID-19 Vaccine Task Force
- Steering Committee member, UPMC Allocation of Scarce Resources Task Force