

# Kelly C. Smith

Dept. of Philosophy & Religion  
Clemson University  
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## **EDUCATION**

2020- Undergraduate student, B.F.A (Visual Arts), Clemson University  
1994 Ph.D. in Philosophy, Duke University (Robert Brandon, advisor)  
1991 M.S. in Biology, Duke University (Fred Nijhout, advisor)  
1986 B.A. in Philosophy (Magna cum Laude), Georgia State University.

## **TEACHING AND RESEARCH AREAS**

Areas of Specialization: Astrobiology, Philosophy of Biology, Philosophy of Science,  
Applied Ethics (especially Bioethics)  
Areas of Competence (Philosophy): Kant, Ancient Philosophy, Modern Philosophy,  
Logic, Environmental Ethics, Critical Thinking  
Areas of Competence (Biology): Evolutionary Theory, Creationism, Origins of Life,  
Theoretical Biology

## **PROFESSIONAL POSITIONS**

2020 - Full Professor, Philosophy & Religion, Clemson University  
2019 - Department Chair, Philosophy & Religion, Clemson University  
2013 - Clinical Assistant Professor, University of South Carolina Medical  
School, Greenville  
2010 - Associate Professor, Biological Sciences, Clemson University  
2002 - 2020 Associate Professor, Philosophy and Religion, Clemson University  
2001 - 2018 C. Calhoun Lemon Fellow, Robert J. Rutland Institute for Ethics  
2014 - 2016 Clinical Ethics Consultant, Greenville Hospital System  
1998 - 2002 Assistant Professor, Philosophy and Religion, Clemson University  
1994 - 1998 Assistant Professor, Philosophy and Religion, The College NJ  
1993 - 1994 Visiting Assistant Professor, Philosophy, Georgia State University

## **HONORS AND AWARDS**

Alumni Master Teacher (Clemson's only university-wide teaching award) (2019)  
Senior Dixon Fellow, Calhoun Honors College (2018-20)  
Dean's Award for Excellence in Service (2015)  
Alan Schaffer Award for Exceptional Service to the Faculty Senate (2012)  
"Difference Maker" Award, Student Affairs (2010, 2011, 2012)  
National Scholars Award of Distinction (2010)  
Gentry Award for Teaching Excellence in the Humanities (2007)  
Dean's Award for Excellence in Teaching (2006)  
Clemson Board of Trustees' Award for Faculty Excellence (2004)  
Teaching Fellow, Office of Teaching Effectiveness & Improvement (2000-01)  
Fellow, Kennedy Institute of Ethics, Georgetown University, Washington (1997)

# RESEARCH ACTIVITY

## WORK IN PROGRESS

Smith, Kelly C. “Social and Ethics Issues in Space Exploraton” (in preparation) invited contribution to *The Bridge* (the flagship publication of the National Academy of Engineering). Research paper.

Smith, et., al. “Injecting Space into Your Class Discussions: Ethics Case Studies in Astrobiology and Space Exploration” (in preparation). A research paper with undergraduate and high school students

Smith, Kelly C. and Traphagan, John (in preparation) The Future of Religion in Space. Anthology.

Smith, Kelly C. (in preparation) A Concise Introduction to the The Philosophy of Astrobiology and Space Exploraton. Monograph.

Smith, Kelly C. and Cindy Pury (in data analysis) “Student Attitudes Concerning Risk Taking and Messaging Extraterrestrials”. Research paper.

\_\_\_\_\_ (in preparation) The Creative Universe, Monograph.

## BOOKS

Smith, Kelly C. and Carlos Mariscal (Eds.) (2020) Social and Conceptual Issues in Astrobiology, Oxford University Press.  
Featured on *New Books Network* 11/20. Archived online [here](#).

## SPECIAL ISSUES & COLLECTIONS

Smith, Kelly C. (2021) Philosophers on Space Exploration, a series of articles for *The Daily Nous*. Archived online [here](#).

Smith, Kelly C. and Keith Abney (Eds.) (2019) “Human Colonization of Other Worlds,” a special issue of *Futures*, 110.

Smith, Kelly C. and Linnda Caporael (Eds.) (2018), “Astrobiology,” a special issue of *Biological Theory*, 2.

## PEER-REVIEWED PUBLICATIONS

45. Traphagan, John W. and Kelly C. Smith (in press) “The Tyranny of Assumption: What we should and should not expect ETI to understand in our messaging”, Beyond the Earth, Paul Quast (Ed.), Jefferson, NC: MacFarland and Company.

44. Szocik, K. et., al. (2021) “Future Space Missions and Human Enhancement: Medical and Ethical Challenges” in Human Enhancements for Space Missions. Lunar, Martian, and Future Missions to the Outer Planets, Konrad Szocik (Ed), New York: Springer, 217-37.

NOTE: This will be reprinted in a special issue of *Studia Humana*

43. Smith, K. C. (2021) “Social and Ethical Currents in Astrobiology Debates”, in O. Chon Torres, T. Peters, J. Seckback and R. Gordon (Eds.) Astrobiology: Science, Ethics, and Public Policy, Wiley-Scrivner: 95-112.
42. Schwartz, S.J., S. Wells-Jensen, J. Traphagan, D. Weibel, and K.C. Smith (2021) “What Do We Need to Ask Before Settling Space?” in J. *British Interplanetary Soc.*, 74: 140-49.
41. Smith, Kelly C. and John W. Traphagan (2020) “First, Do Nothing: A Passive Protocol for First Contact”, in *Space Policy*, 54: 101389.
40. Smith, Kelly C. (2020) “Cosmogogenesis, Complexity and Neo-Natural Faith in the Context of Space Exploration” for a special issue of *Religions*, Deana Weibel and Glen Swanson (Eds.), 11 (12): 659-71. Archived online [here](#).
39. Smith, Kelly C. and Caleb Hylkema (2020) “Who’s Afraid of Little Green Men? Genetic Enhancement for Off-World Settlements”, in Human Enhancements for Space Missions. Lunar, Martian, and Future Missions to the Outer Planets, Konrad Szocik (Ed), New York: Springer, pp. 217-38.
38. Smith, Kelly C. (2020) “Scientists Know Best? Scientific Paternalism and METI” in *Proceedings of the 2017 Tennessee Valley Interstellar Workshop*, 225-32.
37. Smith, Kelly C., and Carlos Mariscal (2020), “To the Humanities and Beyond: Exploring the Broader Questions in Astrobiology”, in Smith, K. C. and C. Mariscal (Eds.) Social and Conceptual Issues in Astrobiology, Oxford University Press, 3-8.
36. Smith, Kelly C. (2020) “METI or REGRETTI: Informed Consent, Scientific Paternalism and Alien Intelligence”, in K.C. Smith and C. Mariscal (Eds.) Social and Conceptual Issues in Astrobiology, Oxford University Press, 209-38.
35. Smith, Kelly C. and Keith Abney (2019) “Human Colonization: A World Too Far?” in a special issue of *Futures* on Social and Ethical Issues in Astrobiology, 1-3.
34. Smith, Kelly C., et. al. (2019) “The Great Colonization Debate” in a special issue of *Futures* on Social and Ethical Issues in Astrobiology, 4-14.
33. Smith, Kelly C. (2019) “Homo Reductio: Eco-Nihilism and Human Colonization of Other Worlds” *Futures*, 110: 31-44. Archived online [here](#).

32. \_\_\_\_\_ (2018) "A(nother) Cosmic Wager: Pascal, METI and the Barn Door Argument" in *Theology and Science*, 17(1) 29-37. doi. 10.1080/14746700.2018.1557393
31. \_\_\_\_\_ (2018) "Got Humanities?," in *Astrobiology*, 18(4): 465-69. DOI 10.1089/ast.2017.1787
30. \_\_\_\_\_ (2018) "Life as Adaptive Capacity: bringing new life to an old debate" *Biological Theory* 13(2): 76-92. Archived online [here](#).
29. Smith, Kelly C. (with Klara Capova and Linda Billings) (2018) authored several sections of *Astrobiology and Society in Europe Today*, a white paper prepared by *COST Action* for submission to the European Union government, Lund, Pufendorff Institute: pp 18, 29, 55-56.
28. Smith, Kelly C. (2017) "Hawking and the METI Hawks: right for the wrong reasons" in *Theology and Science* 15(2):147-49.
27. \_\_\_\_\_ (2016) "The Curious Case of the Martian Microbes: Mariomania, Intrinsic Value and the Prime Directive" in *The Ethics of Space Exploration* (Tony Milligan and James Schwartz, Eds.), New York, Springer, 195-208.
26. \_\_\_\_\_ (2016) "Life is Hard: Countering Definitional Pessimism Concerning the Definition of Life" in the *International Journal of Astrobiology*, 15(4): 277-289
25. Yu Gao, L Shi, K Smith, J Kingree, and T Martie (2016) "Physical Aggression and Mindfulness among College Students: Evidence from China and the United States" in *International Journal of Environmental Research and Public Health*, 13: 480-87.
24. \_\_\_\_\_ (2016) "Cultural Evolution and the Colonial Imperative" in *Dissent, Revolution, and Liberty Beyond Earth*, Charles Cockell, Ed., Springer, 169-87.
23. \_\_\_\_\_ (2015) "The Smallest Step of Faith: A new worldview for a postmodern world?" In *Am. J. Sociological Research*, 5(3A): 1-12.
22. \_\_\_\_\_ (2014) "Ethics is not Rocket Science: How to have ethical discussions in your science class," *Journal of Microbiology and Biology Education*, 15(2): 202-07.
21. \_\_\_\_\_ (2014) "Manifest Complexity: A foundational ethics for astrobiology?" in *Space Policy*, 30(4): 209-14.

20. \_\_\_\_\_ (2012) "I Also Survived a Debate with a Creationist (with Reflections on the Perils of Democratic Information)," *Reports of the National Center for Science Education*, 32(2).
19. Morgan, L; Howe, L; Whitcomb, J; Smith, K (2011) "Improving Communication and Cost Effectiveness In the ICU through Palliative Care: A Review of Literature" in *Dimensions of Critical Care Nursing*, 30: 133-38.
18. Smith, Kelly C. (2011) "Foiling the Black Knight" in *Synthese*, 178(2): 219-35.
17. \_\_\_\_\_ (2009) "The Trouble with Intrinsic Value: an ethical primer for astrobiology" in C. Bertka (Ed), Exploring the Origin, Extent, and Future of Life: Philosophical, Ethical, and Theological Perspectives, Cambridge, Cambridge University Press.
16. \_\_\_\_\_ (2008) "The Terrestrial Lifeboat Project: An International Undertaking to Safeguard Humanity," in A New Perspective on Applied Ethics, (Y. An, Ed., Q. Ming, trans.), Beijing, Renmin University Press, pp. 224-38.
15. Smith, Kelly, Daniel Wueste and Julia Frugoli (2007) "Using 'Ethics Labs' to Set a Framework for Ethical Discussion in an Undergraduate Course," *Biochemistry and molecular Biology Education*, 35(5), pp. 332-36.
14. Smith, Kelly C. (2007) "Towards an Adequate Account of Genetic Disease", in Kincaid & McKittrick (Eds), Establishing Medical Reality: Essays in the Metaphysics and Epistemology of Medicine, Springer, Dordrecht, pp. 83-110.
13. \_\_\_\_\_ (2007) "Cosmic Ethics" in C. Bertka (Ed.) AAAS/NASA Workshop Report: Philosophical, Ethical, and Theological Implications of Astrobiology, C. Bertka, N. Roth and M. Shindell (Eds.), Washington, AAAS
12. \_\_\_\_\_ (2001) "Appealing to Ignorance Behind the Cloak of Ambiguity" , Intelligent Design, Creationism and Its Critics: Philosophical, Theological and Scientific Perspectives, MIT Press, Cambridge, Robert Pennock (ed.), pp. 705-36.
11. \_\_\_\_\_ (2001) "Can Intelligent Design Become Respectable?" in *Reports of the National Center for Science Education*, 20(4): 40-43.
10. \_\_\_\_\_ (2001) "A Disease by any other Name" invited paper for *The European Journal of Medicine, Philosophy and Health Care*, 4(1): 19-30.
9. \_\_\_\_\_ (2001) "Genetic Disease, Genetic Testing and the Clinician" invited paper for the *Journal of the American Medical Association*, 285(1): 91.

NOTE: Comments on the article, along with my responses, were also published in the *Journal of the American Medical Association*, (2001) 285 (21).

8. \_\_\_\_\_ (1998) "Manipulability and the Epidemiological Concept of a Genetic Disease", Report to the Dutch Government on an International Symposium on Complexity and Disease.
7. \_\_\_\_\_ (1998) "Equivocal Notions of Accuracy and Genetic Screening of the General Population" in *The Mount Sinai Journal of Medicine*, 65(3):178-83.
6. Sterelney, Kim; Kelly C. Smith and Michael Dickerson (1996) "The Extended replicator", in *Biology and Philosophy* 11(3): 377-403.  
NOTE: Reprinted twice in:
  - Kim Sterelney (Ed.) (2010) The Evolution of Agency and Other Essays, Cambridge University Press, Cambridge, pp 53-80
  - Neil Levy (Ed.) (2010), Philosophy of Evolutionary Biology, Ashgate Publishing.
5. Brandon, Robert, et. al. (1994) "Sober on Brandon on Screening-Off and the Levels of Selection", in *Philosophy of Science*, 61(3): 475-486.
4. Smith, Kelly C. (1993) "The Effects of Temperature and Daylength on the *rosa* Polyphenism in the Buckeye Butterfly, Precis coenia (Nymphalidae)" in *Journal of Research on the Lepidoptera*, 30(3-4): 225-236.
3. \_\_\_\_\_ (1993) "Neo-Rationalism vs. Neo-Darwinism: Integrating Development and Evolution", in *Biology and Philosophy*, 7(4): 431-451.
2. \_\_\_\_\_ (1993) "Marketing Structuralism: Reflections on the Process Structuralist Critique of Neo-Darwinism", in *Rivista di Biologia / Biology Forum*, 86(3-4): 578-579.
1. \_\_\_\_\_ (1992) "The New Problem of Genetics: a Response to Gifford", in *Biology and Philosophy*, 7(3): 331-348.

**OTHER PUBLICATIONS** (short pieces, reviews, popular press, etc.)

11. Philosophy of Space Reaches Puberty, Feb 2021, archived online [here](#).
10. Smith, Kelly C. (2019) An Honest Appraisal of the Fermi Paradox, METI International blog. Archived online [here](#).
9. \_\_\_\_\_ (2018) Philosophy in Spaaaaace!? *The Philosopher's Magazine*, 81: 51-6.

8. \_\_\_\_\_ (2017) Scientists Know Best? Scientific Paternalism and METI, in *Proceedings of the Tennessee Valley Interstellar Workshop*, 225-32.
7. \_\_\_\_\_ (2016) Do No Harm to Life on Mars? Ethical Limits of the Prime Directive,” invited piece for *The Conversation*. Available online [here](#).  
NOTE: As of 6/21, this article had been read by almost 67,000 people
6. \_\_\_\_\_ (2008) “Review of The Lucifer Effect: Understanding How Good People Turn Evil” *Public Integrity*, 10 (3), 287-91.
5. Smith, Kelly C., Steven Sattris & Charles Starkey (2007) *A Primer on Ethics*, Clemson, The Rutland Institute for Ethics.
4. Smith, Kelly C. (2004) “The Virtues of Ethical Discussion in the Classroom” in Eleanor Siebert (Ed.), *Environmental Literacy and Decision Making – An Interdisciplinary Goal for the 21<sup>st</sup> Century*, Symposium Proceedings of the Society for College Science Teachers. Archived online [here](#).
3. \_\_\_\_\_ (2004) “Philosophical Issues in Astrobiology?” in *Astrobiology*, 4(2),16
2. \_\_\_\_\_ (2004) “The Philosophers are coming” in *International Journal of Astrobiology*, 2004 supplement, 7.
1. \_\_\_\_\_ (1998) “Genetic Testing of the General Population: Ethical and Informatic Concerns”, in *Critical Reviews in Biomedical Engineering*: 26(5/6), 382.

### **CONFERENCE AND WORKSHOP ORGANIZATION**

- Conference Co-Director (with Neil Manson), *SSoCIA 2022*, the bi-annual meeting of the *Society for Social and Ethical Issues in Astrobiology*, scheduled for the University of Mississippi in March of 2022.
- Conference Co-Director (with Neil Manson), *SSoCIA 2020 – To the Internet and Beyond!*, the bi-annual meeting of the *Society for Social and Ethical Issues in Astrobiology*, online, December 2020.
- Conference Co-Director (with Carlos Mariscal), *SSoCIA 2018. The bi-annual meeting of the Society for Social and Ethical Issues in Astrobiology*, University of Nevada, Reno, March 2018.
- Conference Director, *SSoCIA 2016. The Inaugural meeting of the Society for Social and Ethical Issues in Astrobiology*, Clemson University, September 2016.
- Co-Director, Mid-Atlantic Regional Ethics Bowl, Clemson (2014, 2015)
- Co-Director, Society for Ethics Across the Curriculum meeting, Greenville (2002)

### **PROFESSIONAL PRESENTATIONS**

- 99. “The Ethics of Space Colonization”, a panel discussion at the Moscow Institute

- for Physics and Technology on the anniversary of man's first space flight, April 2021. Archived online [here](#).
98. "First, Do Nothing: A Passive Protocol for First Contact", Space and Society Working Group (SWIG), March 2021.
  97. "Who's Afraid of Little Green Men?" Coastal Carolina University, March 2021.
  96. "Everything You Ever Wanted to know about Philosophy of Space but Were Afraid to Ask", Department of Philosophy, Salisbury College, March 2021.
  95. "The immorality of METI: Why Friends Shouldn't Let Friends Message Aliens", Center for Humanities, Durham University, UK, March 2021.
  94. "Why Space Art?" *SSoCIA 2020*, December 2020.
  93. "Is there a Philosophy of Astrobiology?", Department of Biology, Salisbury College, 9/20.
  92. "Is Messaging Extraterrestrial Intelligence (METI) Ethical? Implications of informed consent and public opinion", CONTACT 2020, Mt. View, CA, 3/2020 (postponed due to COVID).
  91. "'Religious' Inspiration without Religion: Implications of a Complex Universe" at the Tennessee Valley Interstellar Workshop, Wichita, KS, October 2019.
  90. "Big History and Complexification in Astrobiology," Big History and the Cosmic Perspective, London, UK September, 2019.
  89. "Ethical Issues in Space," *Worldcon: World Science Fiction Convention*, Dublin, Ireland, August 2019.
  88. Invited speaker: "Why Is the 'What is life?' Debate Important?" Blumberg Astrobiology Workshop, Greenbank Observatory, July 2019.
  87. Panelist: "Ethical, Legal and Social Issues in Astrobiology," Blumberg Astrobiology Workshop, Greenbank Observatory, July 2019.
  86. "Ethical Questions surrounding METI" at the International Society for the History, Philosophy, and Social Studies of Biology, Oslo, Norway, July 2019.
  85. Participant: "Ethical Issues Concerning METI and Space Exploration", in *Making Contact 2018*, an online workshop sponsored by the Breakthrough Listen Project, May 2018.
  85. "*SoCIA: A model for the Integration of Humanities and Science*" at the Clemson University Research Symposium, Clemson, May 2018.
  84. Panel Organizer and Moderator: Is METI a Good Idea?, *SoCIA 2018: Social and Ethical Issues in Astrobiology*, Reno, March 2018.
  83. Panel Organizer and Moderator: How Much Should we Prioritize Human Colonization?, *SoCIA 2018: Social and Ethical Issues in Astrobiology*, Reno, March 2018.
  82. "METI or REGRETTI: Informed Consent, Scientific Paternalism, and Alien Intelligence" presented at the SoCIA 2018 conference, Reno, April 2018.
  81. "Social and Conceptual Issues in Astrobiology?" presented at the 2018 CONTACT conference, Sunnyvale, April 2018.
  80. "Scientists Know Best? Scientific Paternalism and METI," presented at the Tennessee Valley Interstellar Workshop, Huntsville, October 2017.
  79. "Philosophical Issues in Astrobiology" a paper presented at the *International Society for the History, Philosophy and Social Studies of Biology conference*, Sao Paulo, Brazil, July 2017.



78. "Life 2.0: How synthetic biology will transform our conception of life" a paper presented at *A Plurality of Lives* workshop sponsored by the Nordic Astrobiology Network, Lund, Sweden, June 2017.
77. "METI and Informed Consent" paper presented at *METI International's workshop, Are we detectable? Benefits and risks of interstellar communication*, St Louis, May 2017.
76. "METI and the Danger of Scientific Paternalism" a paper presented at the *International Space Development Conference*, St Louis, May 2017.
75. "Is there a scientific Essence of Life?" paper presented at the *Astrobiology Science Conference*, Phoenix, April 2017.
74. "Social and Ethical Issues in Astrobiology" panel presentation, presented at the Astrobiology Science Conference, Phoenix, April 2017.
73. "Life as a Fuzzy Concept" paper presented at *Search for Life: From early earth to exoplanets*, a conference organized by COST and the European Astrobiology Network, Quy Nohn, Vietnam, December 2016.
72. "SoCIA 2016," invited poster presentation for the National Academies of Science, Engineering and Medicine's *Life Across Time and Space* conference, Irvine, December, 2016.
71. "C'est La Vie" paper presented at the Canadian Society for History and Philosophy of Science, Calgary, May 2016.
70. "Pokemon GO: Exploring the Ethical Dimensions of a new Gaming World," to be presented at the Association for Practical and Professional Ethics, Dallas, Feb 2017.
69. "But *Should* you Catch them all? Ethical Issues presented by Augmented Reality Gaming," to be presented at the Society for Ethics Across the Curriculum, Salt Lake City, October 2016.
68. "Defining Life" for the Nordic Network of Astrobiology's *From star and planet formation to early life*, Vilnius, Lithuania, 4/16.
67. "Complexity, Theology and the Nature of Life" for the *Knowledge, Morality and Spirituality* conference, Kolkata, India, 1/16
66. "Life, the Universe and all That: Taking Astrobiology Seriously" for the History, Philosophy and Social Studies of Biology meeting, Montreal Canada, 7/15.
65. "Trends and Progress in Evolution?" for the International Society for the History, Philosophy and Social Studies of Biology meeting, Montreal Canada, 7/15.
64. "Cultural Imperialism and the Cultural Imperative Beyond Earth" for the British Interplanetary Society's *Extraterrestrial Liberty III Conference*, London, 6/15.
63. "Why Ask 'What Is Life?'" Second Conference on the History and Philosophy of Astrobiology, Hoor Sweden, May 2015.
62. "Humanistic and Societal Implications of Astrobiology", workshop sponsored by NASA and the Library of Congress, Washington DC, April 2015.
61. "A Social Media Platform for Ethics Across the Curriculum", Association for Practical and Professional Ethics, Costa Mesa, CA, 2/15.
60. "An Experiment in Crowd Sourced Ethics", Lilly conference on college teaching, Austin, TX, 1/15
59. "The CU *Ethos* Project", Society for Ethics Across the Curriculum, Arizona State University, 10/14.

58. "An Ethics Curriculum for USCSOMG", (poster) Medical Education Workshop, USC School of Medicine, Greenville, 3/13
57. "Meditation and Martial Arts", Martial Arts and Philosophy conference, Canadian Center for Ethics in Public Affairs, Halifax, Nova Scotia, June 2012.
56. "The Essence of Teaching Self Defense to Women", Martial Arts and Philosophy conference, Canadian Center for Ethics in Public Affairs, Halifax, Nova Scotia, June 2012.
55. "Merging Ethics and Biology", Noyce conference sponsored by the National Science Foundation, Greenville, 3/11
54. "To Infinity and Beyond: bringing technology into the intro classroom", South Carolina Society for Philosophy, 2/11.
53. "Evolution and the SC Science Teacher", National Science Teacher's Association, 12/10.
52. "Evolution and the SC Science Teacher", South Carolina Science Council, 11/10
51. "SC Science Teachers and Evolution: a survey", SC Science Education Leadership Association, 12/10
50. "The *Evolution Matters* Project: Using Podcast Technology to Promote Creative Inquiry through Undergraduate Research" (with Jerry Waldvogel and Jeff Appling) National Science Teachers Association, New Orleans, March 2009.
49. "Foiling the Black Knight", *Evolution and Religion: Towards a History of an Evolving Relationship*, Clemson University, February 2009.
48. "Challenges in Ethics Education" National Conference in Healthcare Genetics, Clemson, October 2008.
47. "How To Lead Ethical Discussions About Pandemic Diseases & Bioterrorism" (with Jerry Waldvogel), National Science Teachers National conference, Boston, Boston, March 2008.
46. "The Role of college science teachers in the evolution/creationism controversy" (invited) (with Jerry Waldvogel and Rob Dillon), National Science Teachers Association Regional meeting, Birmingham, December 2007.
45. "Introducing Ethics in the Science Classroom", Southeast Regional Meeting of the American Chemical Society (SERMACS), Greenville SC, October 2007.
44. "Musings on evidence based education," commentary on Francis Schrag's *Two More Rivers to Cross: Toward Evidence-Based Education Policy*, Clemson University, 3/07
43. "What Medical Ethics Is and Is Not," Geriatric Oncology conference, Greenville, 11/06.
42. "The Importance of Knowing what we Don't Know," keynote speaker, ACC Meeting of the Minds conference, Clemson, 4/06.
41. Panelist, *Cooperation Among Strangers*, Liberty Fund, San Francisco, 3/06
40. "Nursing and Ethics", Patty Hanks Shelton School of Nursing, Abilene, 1/05
39. "On the Ethics of Terraforming Mars" NASA/AAAS workshop on the Social, Ethical and Theological implication of astrobiology, Washington DC, 11/04.
38. "Life, the Universe, and all that..." Ninth International conference on Artificial Life, Boston, 9/04.
37. "The Ideal Job Application" International Society for the study of the History,

- Sociology, and Philosophy of Biology Graduate special conference on future directions, University of San Francisco, 9/04.
36. "How to dabble in bioethics without getting burned", " International Society for the study of the History, Sociology, and Philosophy of Biology Graduate special conference on future directions, University of San Francisco, 9/04.
  35. "Towards an Adequate Account of Genetic Disease", Conference on Philosophy of Medicine, University of Alabama at Birmingham, 5/04.
  34. "Teaching ethics in a college level introductory biology course", National Science Teachers Association conference, Atlanta, 4/04.
  33. "Integrating Ethics and Decision Making in Teaching Environmental Issues: The Virtues of Ethical Discussion" National Science Teachers Association, 4/04
  32. "Life, the Universe and Philosophy", Astrobiology Science Conference, NASA Ames research center, San Francisco, 3/04.
  31. "Philosophical Issues in Astrobiology?" (poster), Astrobiology Graduate Conference, University of Arizona, 1/04.
  30. "The Concept of a genetic disease", Human Dimensions of Biology program, Arizona State University, 10/03.
  29. "What do philosophers have to offer astrobiology?", Astrobiology program, Arizona State University, 10/03.
  28. "Kicking Schmickens & Raising Schumans," National Undergraduate Bioethics conference, Texas A&M University, 3/03.
  27. "The Socratic Method", Dietetic Educators conference, Clemson, 4/02.
  26. "Vitalism, Holism and Mechanism: What's a Developmental Guy to Do?," South Carolina Society for Philosophy, Charleston, 2/02.
  25. "What are Students Learning in Introductory Philosophy Classes?" South Carolina Society for Philosophy, Charleston, 2/02.
  24. "A User-friendly Approach to Ethics Across the Curriculum" the Association for Practical and Professional Ethics annual meeting, Cincinnati, 2/02.
  23. "A Philosopher's Approach to Case Studies", Sigma Xi Science and Engineering honor society, Research Triangle Park NC, 11/01.
  22. "Science, Technology, the Environment, and Society," 4<sup>th</sup> annual Undergraduate Bioethics Conference, Emory University, Atlanta, 10/01.
  21. "Breaking News from the Stem Cell Front" invited panel presentation for the 4<sup>th</sup> Undergraduate Bioethics Conference, Emory University, Atlanta, 10/01.
  20. "Misinterpretations of the Sterelney/Smith position," (commentary) Second Philosophy and Developmental Biology Group, Yale University, 7/01.
  19. "What a Genetic Trait is Not," South Carolina Philosophical Society, Myrtle Beach, 2/01.
  18. "Ethics Across the Curriculum: the Pilot Project at Clemson University" (with Dan Wueste) Conference on Philosophical Issues in Ethics Across the Curriculum, Utah State University, 10/00.
  17. "A Blueprint for Scientific Respectability", Intelligent Design and its Critics, Concordia University, 6/00.
  16. "The Lure and Fear of Biotech", Genomics Research Conference, University of Georgia, 5/00.
  15. "An epistemic answer to an ontological question", (commentary) Midsouth

- Philosophy Conference, University of Memphis, 2/00.
14. "Cystic Fibrosis and the Genetic Disease Concept in Biology," American Society for Bioethics and Humanities, Philadelphia, 10/99.
  13. "Genetic Testing of the General Population: Ethical and Informatic Concerns," International Conference on Ethical Issues in Biomedical Engineering, Clemson University, 5/99.
  12. "The Ideal Job Application" for the graduate student information session at the Eastern division meeting of the American Philosophical Association, Washington D.C., 12/98.
  11. "Manipulability and the Epidemiological Concept of a Genetic Disease," Symposium on Complexity and Disease, Dutch Research Council & University of Copenhagen, Kolloid, Denmark, 10/98.
  10. "The Concept of a Genetic Disease," International Society for the History, Philosophy and Social Studies of Biology, University of Puget Sound, 7/97.
  9. "Cooperative Learning Strategies" at the National Tutoring Association conference, Little Rock, 4/97.
  8. "Prediction, Information and Perspective: Genetic Screening of the General Population," Mount Sinai Conference on Healthcare Ethics, Mount Sinai Hospital, New York, 3/97.
  7. "Ethical Issues in Science," Association of Women in Science, Princeton, 11/96.
  6. "The Extended Replicator and Developmental Systems Theory," International Society for the History, Philosophy and Social Studies of Biology, Pope's College, Leuven, Belgium, 7/95.
  5. "Information, Replication, and Teleology," Georgia Philosophical Society, Georgia State University, Atlanta, 5/94
  4. "On the Notion of Genetic Replicators," International Society for the History, Philosophy, and Social Studies of Biology, Brandeis University, 7/93.
  3. "A Structuralist Critique of Neo-Darwinism," International Society for the History, Philosophy & Social Studies of Biology", Northwestern University, 7/91.
  2. "Marketing Process Structuralism," International Conference on Process and Structure in Evolution, National University of Mexico, 4/91.
  1. "In Defense of Neo-Darwinism," International Society for the History, Philosophy, and Social Studies of Biology, University of Western Ontario, 7/89.

### **GRANTS AWARDED (approx. \$615,000 in total)**

#### **External (approx. \$478,000 in total)**

- An Ethics Curriculum for U of SC School of Medicine, Greenville (2012-19) (approx. \$426,250 total)
- NASA Space grant for summer research, 5/04 (\$2,000),
- Alliance 20/20 grant to develop the South Carolina Institute for Service-learning and Ethics (SCISE) and run its first summer training session, (Co-PI) 2002. (\$8,800)
- Infrastructure Grant from the South Carolina Commission on Higher Education for the Rutland Institute for Ethics Research Library, 2001. (\$10,000)
- Sigma Xi Scientific Honor Society grant for a workshop, "Ethics in Science: Research and Graduate Education", 2001. (\$2,325)

- Alliance 20-20 planning grant to extend our work in Ethics Across the Curriculum to service learning in the K-12 environment, 2001. (\$3,125)
- SC Sustainable Universities Initiatives grants to develop and implement an ongoing *Ethics Across the Curriculum* Program, 2000. (\$25,000)

**Internal (approx. \$125,000 in total)**

- 14 Creative Inquiry grants to four major projects:
  - Marketing Clemson Humanities with Drone Videos (2021- ) (\$2,000)
  - Student Attitudes Towards Messaging Extraterrestrials (2021 -) (\$2,000)
  - Clemson Ethics Bowl team (2007-8, 2015-19) (\$38,000)
  - CU Ethos (2014-17) (\$12,000)
  - Tigers Talk Ethics (2009-11) (\$6,000)
  - Evolution Matters Podcast project (2008-10) (\$18,000)
- A Mindfulness intervention for alcohol abuse in college students” (2013-15) (\$18,270)
- A Science Café series at Clemson (2011) (\$3,000)
- Athletics Dept. grant to produce “Ethics in Athletics” program (2004) (\$7,150)
- Vending machine grant to fund undergraduate travel to the National Undergraduate Bioethics Conference at Texas A&M University (2003) (\$1,000)
- Innovation fund grant for *E-Agora* startup (2003) (\$2,900)
- Grant from Calhoun Honors College to fund undergraduate research (2002) (\$560).
- Innovation Fund Grant to allow Clemson faculty attend the first SCISE training Session (2002) (\$5,463)
- Vending machine grant to bring in a speaker for the President’s colloquium on Science and Values (2001) (\$1,200)
- University Research Grant Award to develop book proposal for Cambridge University Press (2000) (\$3,000)
- Innovation Fund grant to develop 3 new Calhoun Honors seminars (2000) (\$1,500)
- Innovation Grant to develop a multimedia Logic course (1999) (\$3,000)

# EDUCATIONAL ACTIVITY

## COURSES TAUGHT

Philosophy: Introduction to Philosophy, Introduction to Ethics, Environmental Ethics, Science and Values, Contemporary Moral Issues, Business Ethics, Ancient Philosophy, Modern Philosophy, Philosophy of Science, Philosophy of Biology, Critical Thinking, Logic, Kant, Theory of Knowledge, Epistemology and Metaphysics.

Biology: General Biology, Evolution, Cell Biology, Theoretical Biology, Sociobiology, Frontiers in Biology, Biology in the News

Interdisciplinary: Alien life, Creation and Evolution, The Lure and Fear of Biotechnology, Genetics and Human Values, Philosophical Issues in Science, Society Ethics and Technology, The Conceptual History of Evolutionary Biology

Other: Buddhist Meditation, Self Defense, Hapkido (the other Korean martial art)

## MAJOR CURRICULAR INITIATIVES

- Co-PI, NSF STEM grant (Tamara McNeely PI) to introduce science students to ethical reasoning (2014-18)
- Helped design and implement the CT<sup>2</sup> critical thinking initiative (2014-16)
- Helped design and implement the Rutland Institute's long-running Ethics Across the Curriculum series of workshops for faculty (2004-16)
- Pioneered the departmental use of undergraduate TA's in logic (2012-14)

## UNDERGRADUATE THESES:

- Advisor, Marina Shew, honors thesis on Space Law, 2018
- Advisor, Brad Saad's honors thesis on Philosophy of Time, 2011
- Advisor, Melanie Francis' honors thesis on Evolutionary Ethics, 2009

## GRADUATE THESIS COMMITTEES:

- Ph.D. Committee Member, Eric Hamilton, RCID, 2021
- Ph.D. Advisor, Caroline Farrell, Healthcare Genetics, 2013
- M.S. Committee Member, Lindsay Morgan, Nursing, 2011
- Ph.D. Committee Member, Ken Kennedy, Computer Science, 2008
- M.A. Committee Member, Alex Eaton, History, 2001
- M.A. Committee Member, Kenneth Webb, Architecture, 1999

## STUDENT RESEARCH

- Student research resulting in publications and presentations
  - I am currently working on a paper with students from Clemson, Coastal Carolina, Texas A&M, and the SC Governor's School for Science and Mathematics on using astrobiology case studies in class. The resulting paper will be submitted to *Teaching Ethics* in the Fall of 2121.

- Co-authored a paper with Caleb Hylkema, on genetic engineering in the context of offworld settlements. This appeared as:
  - Smith, Kelly C. and Caleb Hylkema (2020) “Who’s Afraid of Little Green Men? Genetic Enhancement for Off-World Settlements”, in Human Enhancements for Space Missions. Lunar, Martian, and Future Missions to the Outer Planets, Konrad Szocik (Ed), New York: Springer, pp. 217-38.
- I mentored a team of students working on applied ethics, who wrote a paper and presented it for a conference at Ohio State University. The paper was subsequently published in the undergrad journal *Zetesis* (2002).
- Managed “Evolution matters”, a series of podcasts developed by creative inquiry students to educate the public about evolution. These were presented at the *Communicating Science* conference in Greenville where they won the first prize for student poster (2010)
- I worked with two students on applied ethics papers, which they presented at the National Undergraduate Philosophy conference in Chattanooga (2001)
- Other student research
  - I have overseen 14 different creative inquiry projects of various stripes.
  - I mentored Summer Program for Research Interns (SPRI) students from the SC Governor’s School for Science and Mathematics (2021)
  - I’ve mentored many Eureka (the summer research program for incoming honors students) research projects:
    - Ethical Issues in Astrobiology (2014, 2016)
    - Adventures in Applied Ethics (2008, 2009, 2011, 2013)
    - The Terrestrial Lifeboat Project (2007)
  - I mentored The Ohio State University student Courtney Lynch as she conducted the SC evolution survey, a project to collect data on SC high school teachers’ attitudes towards evolution (2010)

# **SERVICE ACTIVITY**

## **LEADERSHIP DEVELOPMENT**

- Founded Clemson Young Guns (a support group for new Department Chairs)
- Council of Colleges of Arts and Sciences training for Department Chairs (2019)
- Inaugural member, Provost's Leadership Workshop (2014-15)

## **PROFESSIONAL LEADERSHIP**

- Founding President, Society for Social and Conceptual Issues in Astrobiology (2018- )
- Council of Trustees, Beyond the Earth Foundation (2018- )
- Advisory Council, METI International (2016- )
- Co-Director, *Evo-Devo Universe* (2015- )
- C. Calhoun Lemon Fellow, Rutland Institute for Ethics (2001-18)
- Special Editorial Board (Social and Conceptual Issues) *Astrobiology* (2016-17)
- Chair, National Ethics Bowl Rules Committee (2013-16)
- Executive Board, Society for Ethics Across the Curriculum (2011-16)
- Board of Directors, South Carolinians for Science Education (2009-15)

## **OTHER PROFESSIONAL SERVICE**

- Member (one of only two Americans), European Cooperation on Science and Technology (COST) working group who wrote the white paper that convinced the European Union that to create the European Astrobiology Initiative.
- National Ethics bowl rules committee (2003-2020)
- Judge/Moderator, National Ethics Bowl competition (2002, 2003, 2013, 2014, 2015, 2017)
- Admissions Committee, University of South Carolina School of Medicine, Greenville (2014-16)
- Program committee, Society for Ethics Across the Curriculum Society's annual meeting (2014)
- Career Opportunities Committee, American Philosophical Assoc. (2000-2003)
- Chair, Marjorie Greene Prize Committee, International Society for the History, Philosophy & Social Studies of Biology (2002)
- Program Committee, International Society for the History, Philosophy and Social Studies of Biology's annual conference (1999)
- Committee rewriting the *DANTES: Ethics in America* exam, Educational Testing Service, Princeton (1997)
- Referee for dozens of journals and presses

## **CLEMSON LEADERSHIP**

- Founder, *Clemson Young Guns* - a support group for new Dept Chairs (2020- )
- Chair, Department of Philosophy & Religion (2019- )
- Dean's Tenure and Promotion Advisory Committee (2017)
- Provost's Leadership Council (2014-16)



- Chair, Department Personnel Committee (2008-18)
- Advisory Board, *Clemson Thinks 2* (2014-17)
- Chair, University Ombuds Committee (2014-15)
- Board of Trustees' Provost Search Committee (2014)
- Chair, Faculty Senate's Faculty Manual Rewrite Committee (2014)
- Chair, TPR best practices committee (2014)
- Provost's Advisory Group, GHS/CU collaboration (2014)
- Board of Trustees' Presidential Search Committee (2013-14)
- Board of Directors, Clemson University Foundation (2013-14)
- Faculty Senate President (2013-14)
- Departmental Director of Undergraduate Studies (2007-14)
- Executive/Advisory Committee, Faculty Senate (2001-02, 2012-15)
- Faculty Senate Vice President/President Elect (2012-13)
- President, Clemson chapter of Sigma Xi (2011-12)
- Chair, University Grievance Board, (2010-12)
- Chair, Dept. search committees (2002, 2004, 2009, 2012, 2016, 2017, 2019)
- Chair, Grievance I hearings (2011, 2012)
- Vice President, Clemson Sigma Xi chapter (2010-11)
- Chair, University Grievance Subcommittees (2007, 2008, 2009, 2010)
- Faculty Senator (2000-02, 2007-14)
- Department webmaster (1999-2006)
- Chair, Humanities Subcommittee, General Education Committee, (2002-04)
- Faculty Senate Secretary (2001-2002)
- President's Advisory Council (2000-02)
- Lead Senator, College of AAH (2000-02)
- Chair, Faculty Senate Scholastic Policies Committee (2001).

### **CLEMSON COMMITTEE WORK**

- College Interdisciplinary Studies Planning Committee (2020-21)
- College Strategic Planning Committee (2020-21)
- Departmental Merit Scale Committee (2019)
- Departmental Chair Review Committee (2018-19)
- Departmental Bylaws Revision Committee (2017-18)
- Centennial professor award committee (2015)
- University honorary degree committee (2013-14)
- Library Advisory Council (2012- )
- Class of '39 award committee (2014)
- Provost's Title IX committee (2014)
- Four Presidents Council (2013-14)
- Academic Council (2013-14)
- President's LGBTQ Task Force (2013-14)
- University Tobacco Committee (2013-14)
- University Graduation Committee (2013-14)
- Human Resources Advisory Council (2013-14)

- University Budget Accountability Committee (2013-14)
- Quality Enhancement Program steering committee member (2012-14)
- University Athletic Council (2012-14)
- Council on Undergraduate Studies (2012-14)
- Joint Faculty Senate/Board of Trustee task force to rework administrative personnel practices (2013)
- Department Chair review committee (2013)
- University Compensation Committee (2012-13)
- University Council on Undergraduate Studies (2007-12)
- Board of Trustees committee rewriting university mission statement (2012)
- University Grievance Board (2008-12)
- University Advisory Committee of Budget Center Representatives (2010-11)
- University Student Conduct Code Review Committee (2008—11)
- University Human Subjects Committee (IRB) (1999-2010)
- University ePortfolio review committee (2008-10)
- Calhoun College Honors Committee (2001-03, 2007-8, 2009-10)
- Department Search Committees (2001, 2002, 2004, 2005, 2010)
- Faculty Senate Policy Committee (2008-10)
- University Latin Honors Committee (2008-09)
- Department Advisory Committee (2001-2, 2004-05, 2006-9)
- Faculty Senate Recreational Advisory Committee (2008-9)
- Gentry award committee (2007-08)
- Great Works Program Committee (2003-2008)
- Sigma Xi admissions committee (2003-04, 2005-06)
- University General Education Rubric committee (2005)
- University Special Grievance Committee (2005)
- College Interdisciplinary Ph.D. Committee (2004)
- College Faculty Advisory Council (2002-04)
- University General Education Committee (2000-03)
- University Admissions Committee (2001-02)
- Planning committee, Jane Goodall's campus visit (2002)
- University Honors and Awards Committee (2000-02)
- Search Committee, director of Rutland Institute for Ethics (2001-02)
- University Undergraduate Council, AAH representative (2000-02)
- Goldwater Scholarship selection committee (2001-02)
- Faculty Senate Grievance I Committee (2000-02)
- Faculty Senate Scholastic Policies Committee (1999-02)
- College Committee on Information Technology (1998-01)
- College Staff awards committee (2000)
- College Web Committee (2000)
- Faculty Senate Review Committee, Class of '39 Award (2000)
- University Accident Review Board (1999-00)
- College Committee on Core Curricula (Walker Committee) (1998-99)
- University Committee on Academic Integrity (1998)

## **STUDENT ADVISING AND OUTREACH**

- Senior Dixon Fellow, Calhoun Honors College, (2018-20)
- Advisor, Clemson Hapkido Club (2009-2015, 2017-21)
- “How to Get a Job in Philosophy” a talk for philosophy majors, Departmental mentoring workshop (2017)
- Organized and guided dept. faculty-student whitewater trips (2012, 2013, 2015)
- Advisor, Student Secular Alliance of Clemson (2010-14)
- Assistant coach, Clemson Ethics Bowl Team (2008, 2013- )
- Founding Coach, Clemson Ethics Bowl team, (2003-7, 2009-12)
- Department Undergraduate Coordinator (2001-2010).
- “Finding Your Special Purpose,” discussion with Clemson Sophomores, 2008.
- “The philosopher meets the coach” Clemson Athletics Academic Success Program (2006).
- Founding Advisor, Philosophical Society of Clemson (1999-07)
- Founding Advisor, Clemson Bioethics Club (2002-04).
- Helped produce (and acted in) “The Paw Report”, a skit for Tigerama by the Philosophical Society of Clemson, which won fourth place (2002)
- Judge, Regional Forensics Competition (2000).
- Coach, Philosophy team for college bowl tournament (1999)

## **PUBLIC OUTREACH**

### **PUBLIC PRESENTATIONS**

- “Everything you Always Wanted to Know about Social and Ethical Issues in Astrobiology but didn’t Know Enough to Ask,” Northwest Texas Rotary Club, 8/20.
- “Say What? Creationism, democracy of information, and the death of critical thinking,” Americans United Greenville, 2/18.
- Content Expert, NASA Astrobiology Debate: I recorded two online videos and served as an advisor to teams all over the U.S. preparing to debate the ethical implications of astrobiology, 2015.
- Online debate: Evolution vs. Creationism, Total Education Network Blog talk radio, WRCT 88.3 FM, (Neil Haley), 5/11
- “Who’s afraid of astrobiology?”, Junior Science Academy, Daniel HS, 12/10
- Led discussion following a showing of the movie *A Flock of Dodos*. 2/09
- “Finding Common Ground on Reproductive Issues”, panel discussion sponsored by Planned Parenthood, Strom Thurmond Center, 5/08.
- Lead discussion following a showing of the movie *Expelled*, 2/08
- “Ethics in Healthcare”, Daniel High School Pre-Med club, 2008.
- “Stem Cells in the News,” Seneca Coffee Club, Seneca 1/07
- “The Ethics of Birth Control”, Planned Parenthood Public Forum (2005, 2006).
- “Everything you always wanted to know about stem cells”, Metz Group, Seneca 3/06
- “From stem cells to creationism: resolving conflicts between science and religion”, Easley rotary club 10/05

- “The Ethics of Cloning” (public debate), Morehead State University, 9/04.
- Keynote speaker: “Ethical Reasoning” Chi Epsilon banquet, Clemson, 11/03
- "Colored Bodies: Henrietta Lacks and the HeLa Cells," panel discussion of Charlene Gilbert’s documentary, Clemson, 5/02.
- “Jane Goodall’s Contribution to Ethics,” panel discussion, Clemson, 3/02.
- Keynote Speaker: “A Preoccupation with Knowledge: what humanities and science have in common”, Alpha Epsilon Lambda banquet, 4/01.
- Invited speaker, “What your donations do for the library”, Parade of Beneficiaries, 9/01
- Keynote speaker (“Who’s Afraid of Biotech?”), First Annual Graduate Student / Calhoun Honors College Research Forum, 4/00
- Panelist, “Creationism and Evolution” debate sponsored by the Upstate Secular Humanist Society and the Strom Thurmond Institute, 9/00.
- “Evolution and Creationism” (public debate), Clemson University, 11/99

## **MEDIA**

### NATIONAL AND INTERNATIONAL PRESS

- “The Pentagon UAP Report” for al-Araby TV, 6/23/21. Archived online [here](#) (I appear at 1:30)
- “The Ethics of Space Colonization” in *Za Nauku* (in Russian), April 23, 2021. Archived online [here](#).  
NOTE: As of 4/28, this article had been read by over 70,000 people
- “A Dyson Sphere Could Bring Humans Back From the Dead” in *Popular Mechanics*, by Stav Dimitritropoulis, 3/10/21. Archived online [here](#).
- “Creativity” Conscious Evolution Podcast by Robert Cobbold, archived online [here](#).
- “How to Talk with Aliens,” *NPR’s Science Friday with Ira Flatow*, April 2018. Archived online [here](#).
- “Exploring the Ethics of Human Settlement in Space” for the Podcast *Making New Worlds*, Feb 20, 2018. Archived online [here](#).
- “Clemson's Kelly Smith Says Ethics Might Be Universal.” *Huffington Post*, Jan 26, 2015. Archived online [here](#).
- “Perhaps there is hope for Humanity’s moral destiny after all!” Archived online [here](#).
- “Researcher explores how the universe creates reason, morality.” *Phys.org*, Jan 23, 2015. Archived online [here](#).
- ScienceDaily "How does the universe create reason, morality?." *ScienceDaily*, January 23, 2015. Archived online [here](#).
- “Clemson university considers tobacco ban”, *GoErie.com*, 4/19/14
- “'Alien Life' Claim Hampered by Journal's Dubious Reputation” in *Technewsworld*, March 7, 2011. Archived online [here](#).
- “'Frankenfish' could be coming to market”, *Sun News*, 9/13/10
- “Darwinists Launch Evolutionary War on Christianity” in *TheVoicemagazine.com*, February 11, 2009.
- “Technology in the classroom, *Wall Street Journal*, 9/05.

- “The Chances of Extraterrestrial Life” *CNN Presents: Is Anybody Out There?*, August 9, 2004
- “The Ethics of the Line”, *The Oregonian*, December 16, 2001.
- “Stem Cell Research”, The Glen Mitchell news show, *KERA* (Dallas NPR station), August 30, 2001.
- “Animal souls”, *The Monroe New-Star* (La), August 25, 2001.
- “Pros and Cons of Human Cloning” *WBSM radio* (a CBS talk radio station serving southwestern Massachusetts and the Providence, R.I., area), August 17, 2001.
- “The Untimely Death of the Placebo effect”, *MAMM: Women, Cancer and Community*, Sept-Oct., 2001.
- “Anti-plagiarism software”, *Chronicle of Higher Education*, June 14, 2001
- “Creationism in the United States”, *Brazilian Academic Press*, March 2001.
- “Cloned calf shows no signs of aging”, *Washington Times*, April 28, 2000.
- “Creation of monkey twin heralds hope for cures”, *Washington Times* January 14, 2000
- “Pro-lifers seek to block embryo-derived research...”, *Washington Times* February 18, 1999.
- “Human cloning draws nearer as ethicists seek to draw rules...” (front age), *Washington Times* November 9, 1998.

#### STATE AND LOCAL PRESS

- “The Pentagon UAP Report” for WRNN radio’s Morning Show, 6/25/21.
- “New Clemson University President Installed during Graduation”, *Anderson Independent*, 5/9/14
- “Stem Cell Ban Renews Debate”, *Daily Journal and Messenger*, March 16 2009
- “Stem Cells”, *Channel 4 News*, March 15, 2009.
- “Darwin Turns 200, Debate Continues”, *Daily Journal and Messenger*, February 13, 2009
- “The Ethics of Cockfighting”, *Channel 4 News*, May 21, 2008.
- “Cheating in the iphone era,” *Daily Journal/Messenger*, May 2008.
- “Ethical Issues in Animal testing”, *Daily Journal and Messenger*, 10/8/07.
- “University pays theory little notice”, *Gainesville Sun*, 1/7/06
- Cheating, *Daily Messenger*, December 2005
- “Dressing down Darwin”, *Anderson independent*, July 22, 2005.
- Creationism, *Greenville News*, April 2005
- Stem Cells, *Spartanburg Herald-Journal*, February 2005
- “The Ethics of Cloning”, *Your Day* segment, National Public Radio, September 2, 2004.
- “Technology and Cheating”, *WYFF Channel 4*, August 21, 2004
- “Is Anybody out there?”, *Charleston Post Courier* July 27, 2004
- “Clemson Philosopher finds his niche – in space” *Charleston Post and Courier*, April 26, 2004.
- “Mars Rover finds evidence of water”, *SC News network*, 3/5/04
- “The Florida Right to Die Case”, *SCNews network*, Nov 2003

- “Potential for Cloning draws mixed reaction”, Anderson Independent Mail, February 18, 2004.
- “IVF turns 25”, SC News Network, July 24, 2003
- “The Mars Mission”, *The Greenville Journal*, 4/13/03
- “The Socrates café movement and philosophical outreach activities at Clemson”, interview with *The Greenville news*, March 6, 2003
- “Congress bans Human Cloning”, interview with *The Daily Journal*, March 3, 2003
- “Cloning and the Raelians” interview with *SC News Network*, January 10, 2003
- “Academic redemption, plus/minus grading and the provost’s academic plan” interview with *The State*, October 31, 2002
- “Gift giving during the holidays” press release for *Clemson News Services*, September 20, 2002
- “DNA Databases”, *Creative Loafing*, Feb 21 2002.
- “The Ethics of Cloning Pets”, *South Carolina News Service*, Feb 20 2002
- “Ethical concerns with Charitable giving”, *The State*, January 11, 2002.
- “Cloning”, *Creative Loafing* (Greenville), December 7, 2001.
- “Carolina Concerns: Cloning”, *WMYI* and *WSSL* (in Greenville), December 16, 2001.
- “New Ethical Worries about Cloning”, *Anderson Independent* (front page), November 27, 2001.
- “The Ethics of Cloning”, *South Carolina News Network*, November 27, 2001.
- “The Higher Ideals of the Holidays”, *South Carolina News Network*, November 11, 2001.
- “The Holidays as a time for Reflection”, *WVOC radio* (Columbia), November 12, 2001.
- “The Holiday Spirit”, *Clemson News Services*, October 17, 2001.
- “Clemson switches to plus minus grading”, *The State*, May 11, 2001.
- “CU Unveils New Grading Scale”, *Daily Journal and Messenger*, May 10, 2001.
- “Clemson Faculty OK’s Plus Minus Grades”, *The Greenville News*, May 9, 2001.
- “Find Meaning in the Holidays”, *Daily Journal Messenger*, December 16, 2000.
- “Postmodernism”, *The Observer*, March 2000.
- “Breaking the (Genetic) Code”, *Birmingham Weekly*, Nov 9, 2000.
- “Professor Questions Genetic Ethics” (front page), *Daily Journal & Messenger* July 6, 2000.
- “Morrison Elementary School”: *Greenville News* September 22, 1999.
- “School Bond Referendum”, *Greenville News* April 2, 1999.
- “School Board Issues”, *Anderson Independent* October 29, 1999.
- “Pickens County School Board Candidates”, *Easley Progress*, October 28, 1998.
- “Daniel Area Could Gain Strong Foothold on School Board,” *Easley Progress*, September 23, 1998.
- “Cloning”, *U.S. 1 Newspaper* March 1997.
- “Cloning”, *WFSU radio* (Tallahassee) May 1997.
- “Science & Salesmanship”, *U.S. 1 Newspaper* November 1996.

## **GUEST LECTURES AND PRESENTATIONS**

I stopped keeping track of these in 2014 because the list was taking up too much space. At that point, I had given over 100 talks to 24 different departments and organizations at Clemson on ethics, critical thinking, scientific reasoning, astrobiology, science and religion, the Socratic method, and other topics. Since then, I have continued to give regular talks as requested.

## **FACULTY SEMINARS**

- “Teaching Critical Thinking” a series of workshops for Clemson’s CT<sup>2</sup> critical thinking initiative. (2015, 2016)
- “When a Paper Becomes a Weapon”, Research Compliance seminar, 2012.
- “How to Discuss the Ethical Issues in *Next*”, RIE summer reading group, 2011.
- “So you think you are ethical?” Environmental Toxicology, Jan 2011
- “Ethics and Science” Biosciences seminar, 9/10
- “Ethics and Research Publications” Environmental toxicology April 2010.
- “What is ethics?” library staff development workshop, 5/06
- “Philosophical Issues in Astrobiology?” BIOSC Seminar, 1/04.
- “Genetic Ethics”, DNA learning center, 7/03
- “Ethics & Environmentalism” Environmental Toxicology seminar, 2/03
- “Research Ethics” Faculty senate research forum, 2/03.
- “Rigorous Discussion: keeping the BS coefficient manageable” OTEI’s faculty workshop “Teaching Today’s Freshmen: rapport, rigor and motivation”, 4/01.
- “Where Our Students Are Coming From: The Values and Attitudes of Generation Y”, OTEI workshop, 3/01.
- “Academic Integrity” Presidential colloquium, 1/03.
- “Got Ethics?: How to Introduce Ethics into Your Courses and Still Maintain Standards” sponsored by OTEI and the Rutland Institute, 4/01.
- “Biotech as Bogyman”, Plant Pathology and Physiology seminar, 1/01.
- “The Socratic Method: Irritating your students into thinking for themselves” series of workshops by OTEI: 10/00, 11/00 and 1/01.
- “The Nature of Science: Why scientists are really philosophers in lab coats.” BIOSC seminar, 10/00.
- “Humor in the Classroom” series of workshops by OTEI: 10/00 and 11/00.
- “Selfish Genes and Super-Organisms: What social insects can’t teach us that carrion beetles can”, Entomology Seminar 1/99.
- “Leading Effective Discussions,” 1<sup>st</sup> annual Celebrating Teaching seminar, Clemson, 1999.
- “What is Science?”, Entomology seminar, 10/98.

## **SUCCESSFUL AWARD NOMINATIONS**

- Mashal Saif, CAAH Dean’s Excellence in Research Award (2020)
- Charlie Starkey, CAAH Dean’s Excellence in Service Award (2020)
- Bill Pennington, Class of ’39 Professorship (2008)
- Sid Gautreaux, Centennial Professorship (2002)

- Todd May, CAAH Dean's Excellence in Teaching Award (2002)
- Jerry Waldvogel, Class of 1939 Professorship (2001)

### **COMMUNITY LEADERSHIP POSITIONS**

- Board of Governors, GSFC Corporation (1998-04, 2011-14, 2018 -)
- Secretary, GSFC Corporation (1998-04, 2018 -)
- Captain, *SenatOars* Team, Clemson Regatta (2013)
- President & Chairman of the Board, GSFC Corporation (2000-04)
- Cookie Dad, Girl Scout troop 365 (1999-2003)
- President, Creekside Neighborhood Association (2000-2002)
- Treasurer, Morrison Elementary School PTO (2000-01)
- President, Morrison Elementary School PTO (1999-00)
- Vice-President, Creekside Neighborhood Association (1999-00)
- Candidate, Pickens County School Board (1998)

### **OTHER COMMUNITY SERVICE**

- I offer occasional self-defense seminars on request (especially for women)
- Float Judge, Clemson Homecoming (2019)
- Participant, Miss Clemson Pageant (2015)
- *SenatOars* Team member, Clemson Regatta (2012, 2013)
- Chaperone, 5<sup>th</sup> grade field trip to Charleston (2011)
- Chaperone, 4<sup>th</sup> grade field trip to Camp Thunderbird (2010)
- Duke University Alumni interviewer, (2002-5)
- Construction crew, Clemson Elementary School playground (2001)
- Chaperone, Third Grade field trip to Columbia (2001)
- Judge, Anderson/Oconee/Pickens Science Fair (1999-02, 2004)
- PTO representative, Morrison School Improvement Counsel (1999-00)
- Homeroom parent, Mrs. Nodine's first grade class (1999-00)
- Chaperone, Fifth Grade field trip to Charleston (1999)
- Fifth grade Graduation Book Committee, Morrison Elementary School (1999)
- Parent helper, Daisy Troop # 413 (1998-99)
- Parent Volunteer, Mrs. McGinn's Kindergarten class (1998-99)

### **PERSONAL**

- Husband to my wonderful wife of 35 years
- Father to three successful, well-adjusted, Clemson alumni
- Personal Motto: *Docendo Disco* (through teaching, I learn)
- 2<sup>nd</sup> degree black belt in Hapkido (the *other* Korean art, a.k.a. aikido's nasty cousin)