

Kelly C. Smith

curriculum vitae

Dept. of Philosophy & Religion
Clemson University
126 Hardin Hall
Clemson, SC 29634

145 Browning Heights Way
Central, SC 29630
(864) 650-1093 Cell
kcs@clemson.edu

EDUCATION

- 2020 - Undergraduate student, B.F.A in Visual Arts, Clemson University
- 1994 Ph.D. in Philosophy, Duke University (Robert Brandon, advisor)
- 1992 M.S. in Evolutionary 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, Environmental Ethics, Critical Thinking
- Areas of Competence (Biology): Evolution, Creationism, Origins of Life, Theoretical Biology

PROFESSIONAL POSITIONS

- 2020 - Professor, Philosophy & Religion, Clemson University
- 2019 - 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)
- Summer Fellow, Kennedy Institute of Ethics, Georgetown University (1997)

RESEARCH & SCHOLARSHIP

WORK IN PROGRESS

- Smith, Kelly C. (under contract). *The Philosophy of Astrobiology and Space Exploraton*. Oxford. Monograph.
- Smith, et., al. (in review). Injecting Space into Your Class Discussions with Ethics Case Studies. Research paper with student mentees.
- Smith, Kelly C. & John Traphagan (in preparation) *The Future of Religion in Space*. Anthology.
- Smith, Kelly C. & Cindy Pury (in data analysis). Student Attitudes Concerning Contact with Extraterrestrial Life. Empirical study.

BOOKS

- Smith, Kelly C. and Carlos Mariscal (Eds.) (2020) *Social and Conceptual Issues in Astrobiology*, Oxford. Featured on [New Books Network](#).

SPECIAL ISSUES & COLLECTIONS

- Smith, Kelly C. (2021). Philosophers on Space Exploration, [The Daily Nous](#).
- Smith, Kelly C. and Keith Abney (Eds.) (2019). Human Colonization of Other Worlds. *Futures*, 110.
- Smith, Kelly C. and Linnda Caporael (Eds.) (2018). Astrobiology,” *Biological Theory*, 2.

PEER-REVIEWED ARTICLES AND CHAPTERS

- Smith, Kelly C. (2021). Social and Ethics Issues in Space Exploraton. Invited contribution to the National Academy of Engineering’s journal, *The Bridge*. 51(3): 75-80.
- Traphagan, John W. and Kelly C. Smith (2021). The Tyranny of Assumption: What We should and should not expect ETI to understand in our messaging. Paul Quast (Ed.). *Beyond the Earth*. MacFarland and Company.
- Szocik, K. et al (2021). Future Space Missions and Human Enhancement: Medical and Ethical Challenges. Konrad Szocik (Ed.). *Human Enhancements for Space Missions. Lunar, Martian, and Future Missions to the Outer Planets*. Springer, 217-37. Available online [here](#).
- Smith, Kelly C. (2021). Social and Ethical Currents in Astrobiology Debates. O. Chon Torres, et al (Eds.). *Astrobiology: Science, Ethics, and Public Policy*. Wiley-Scrivner: 95-112.
- Schwartz, S.J., S. Wells-Jensen, J. Traphagan, D. Weibel, and K.C. Smith (2021). What Do We Need to Ask Before Settling Space? *J. British Interplanetary Soc.*, 74: 140-49.
- Smith, Kelly C. and John W. Traphagan (2020). First, Do Nothing: A Passive Protocol for First Contact. *Space Policy*, 54: 101389.
- Smith, Kelly C. (2020). Cosmogensis, Complexity and Neo-Natural Faith in the Context of Space Exploration. *Religions*, 11(12): 659-71. Available online [here](#).

- Smith, Kelly C. and Caleb Hylkema (2020). Who's Afraid of Little Green Men? Genetic Enhancement for Off-World Settlements. Konrad Szocik (Ed.). *Human Enhancements for Space Missions*. Springer.
- Smith, Kelly C. (2020). METI or REGRETTI: Informed Consent, Scientific Paternalism and Alien Intelligence. K.C. Smith and C. Mariscal (Eds.). *Social and Conceptual Issues in Astrobiology*. Oxford.
- Smith, Kelly C., et al (2019). The Great Colonization Debate. *Futures*, 110: 4-14.
- Smith, Kelly C. (2019). Homo Reductio: Eco-Nihilism and Human Colonization of Other Worlds. *Futures*, 110: 31-44. Available online [here](#).
- _____ (2018). A(nother) Cosmic Wager: Pascal, METI and the Barn Door Argument. *Theology and Science*, 17(1), 29-37.
- _____ (2018). Life as Adaptive Capacity. *Biological Theory* 13(2): 76-92. Available online [here](#).
- _____ (2017). Hawking and the METI Hawks. *Theology and Science* 15(2):147-49.
- _____ (2016). The Curious Case of the Martian Microbes: Mariomania, Intrinsic Value and the Prime Directive. T. Milligan and J. Schwartz (Eds.). *The Ethics of Space Exploration*. Springer: 195-208.
- _____ (2016). Life is Hard: Countering Definitional Pessimism Concerning the Definition of Life. *Int. J. Astrobiology*, 15(4): 277-289.
- Gao, Y., et al (2016). Physical Aggression and Mindfulness among College Students: Evidence from China and the United States. *Int. J. Environmental Research and Public Health*, 13: 480-87.
- _____ (2016). Cultural Evolution and the Colonial Imperative. C. Cockell (Ed.). *Dissent, Revolution, and Liberty Beyond Earth*. Springer.
- _____ (2015). The Smallest Step of Faith: A new worldview for a postmodern world? *Am. J. Sociological Research*, 5(3A): 1-12.
- _____ (2014). Ethics is not Rocket Science: How to have ethical discussions in your science class. *J. Microbiology and Biology Education*, 15(2): 202-07.
- _____ (2014). Manifest Complexity: A foundational ethics for astrobiology? *Space Policy*, 30(4): 209-14.
- _____ (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).
- Morgan, L, et al (2011). Improving Communication and Cost Effectiveness In the ICU through Palliative Care. *Dimensions of Critical Care Nursing*, 30: 133-38.
- Smith, Kelly C. (2011). Foiling the Black Knight. *Synthese*, 178(2): 219-35.
- _____ (2009). The Trouble with Intrinsic Value: an ethical primer for astrobiology. C. Bertka (Ed.). *Exploring the Origin, Extent, and Future of Life: Philosophical, Ethical, and Theological Perspectives*. Cambridge.
- _____ (2008). The Terrestrial Lifeboat Project: An International Undertaking to Safeguard Humanity. (in Chinese). Y. An (Ed.), Q. Ming (Trans.). *A New Perspective on Applied Ethics*. Renmin University Press.

- Smith, K.C., Wueste, D., and Frugoli, J. (2007). Using 'Ethics Labs' to Set a Framework for Ethical Discussion in an Undergraduate Course," *Biochemistry and molecular Biology Education*, 35(5): 332-36.
- Smith, Kelly C. (2007). Towards an Adequate Account of Genetic Disease. Kincaid, H. and McKittrick, J. (Eds), *Establishing Medical Reality: Essays in the Metaphysics and Epistemology of Medicine*, Springer: 83-110.
- _____ (2007). Cosmic Ethics. C. Bertka, N. Roth, and M. Shindell (Eds.). *AAAS/NASA Workshop Report: Philosophical, Ethical, and Theological Implications of Astrobiology*. AAAS
- _____ (2001). Appealing to Ignorance Behind the Cloak of Ambiguity. Robert Pennock (Ed.). *Intelligent Design, Creationism and Its Critics: Philosophical, Theological and Scientific Perspectives*. MIT: 705-36.
- _____ (2001). Can Intelligent Design Become Respectable?" *Reports of the National Center for Science Education*, 20(4): 40-43.
- _____ (2001). A Disease by any other Name. *Eur. J. Medicine, Philosophy and Health Care*, 4(1): 19-30.
- _____ (2001). Genetic Disease, Genetic Testing and the Clinician. *Journal of the American Medical Association*, 285(1): 91. Comments and my responses appeared in *Journal of the American Medical Association*, (2001) 285(2): 21.
- _____ (1998). Manipulability and the Epidemiological Concept of a Genetic Disease", Report to the Dutch Government on an International Symposium on Complexity and Disease.
- _____ (1998). Equivocal Notions of Accuracy and Genetic Screening of the General Population. *The Mount Sinai Journal of Medicine*, 65(3): 178-83.
- Sterelney, K., Smith, K.C. and Dickerson, M. (1996). The Extended Replicator. *Biology and Philosophy* 11(3): 377-403. This has been reprinted twice as:
Kim Sterelney (Ed.) (2010). *The Evolution of Agency and Other Essays*, Cambridge: 53-80
Neil Levy (Ed.) (2010). *Philosophy of Evolutionary Biology*, Ashgate.
- Brandon, Robert, et. al. (1994). Sober on Brandon on Screening-Off and the Levels of Selection. *Philosophy of Science*, 61(3): 475-486.
- Smith, Kelly C. (1993). The Effects of Temperature and Daylength on the *rosa* Polyphenism in the Buckeye Butterfly, *Precis coenia* (Nymphalidae). *J. Res. Lepidoptera*, 30(3-4): 225-236.
- _____ (1993). Neo-Rationalism vs. Neo-Darwinism: Integrating Development and Evolution. *Biology and Philosophy*, 7(4): 431-451.
- _____ (1993). Marketing Structuralism: Reflections on the Process Structuralist Critique of Neo-Darwinism. *Biology Forum*, 86(3-4): 578-579.
- _____ (1992). The New Problem of Genetics. *Biology and Philosophy*. 7(3): 331-348.

OTHER PUBLICATIONS (short pieces, conference proceedings, popular press, etc.)

- Smith, Kelly C. (2020). Scientists Know Best? Scientific Paternalism and METI. *Proc. of the Tennessee Valley Interstellar Workshop*: 225-32.
- Smith, Kelly C., and Carlos Mariscal (2020). To the Humanities and Beyond: Exploring the Broader Questions in Astrobiology. Smith, K. C. and C. Mariscal (Eds.). *Social and Conceptual Issues in Astrobiology*, Oxford: 3-8.
- Smith, Kelly C. and Keith Abney (2019). Human Colonization: A World Too Far? *Futures*, 2: 1-3.
- _____ (2018). Got Humanities? *Int. J. Astrobiology*, 18(4): 465-69.
- Smith, Kelly C. (2018) co-authored (with Klara Capova and Linda Billings) several sections of Capova, K., et al (Eds.). *Astrobiology and Society in Europe Today* (a proposal to the EU government that led to the establishment of the European Astrobiology Initiative). Pufendorff Institute: 18, 29, 55-56.
- _____ (2021). Philosophy of Space Reaches Puberty. *The Daily Nous*. Available online [here](#).
- Smith, Kelly C. (2019). An Honest Appraisal of the Fermi Paradox, *METI International blog*. Available online [here](#).
- _____ (2018). Philosophy in Spaaaaace!? *The Philosopher's Magazine*, 81: 51-6.
- _____ (2016). Do No Harm to Life on Mars? Ethical Limits of the Prime Directive. *The Conversation*. Available online [here](#). NOTE: As of 10/21, this had been accessed nearly 67,000 times.
- _____ (2008). Review of The Lucifer Effect: Understanding How Good People Turn Evil. *Public Integrity*, 10 (3), 287-91.
- Smith, K. C., Satris, S. and Starkey, C (2007) *A Primer on Ethics*. Rutland Institute for Ethics.
- Smith, Kelly C. (2004). The Virtues of Ethical Discussion in the Classroom. Eleanor Siebert (Ed.), *Environmental Literacy and Decision Making – An Interdisciplinary Goal for the 21st Century*, Proc. Soc. College Science Teachers.
- _____ (2004). Philosophical Issues in Astrobiology? *Astrobiology*, 4(2):16.
- _____ (2004). The Philosophers are coming” *Astrobiology*, 2004 supp. 7.
- _____ (1998). Genetic Testing of the General Population: Ethical and Informatic Concerns. *Critical Reviews in Biomedical Engineering*: 26(5/6), 382.

RECENT CONFERENCE AND WORKSHOP ORGANIZATION

- Conference Co-Director (with Neil Manson), 2022 meeting of The Society for Social and Conceptual Issues in Astrobiology, University of Mississippi, Oxford. 3/22.
- Workshop Co-director (with John Traphagan), How Might Discovery of Extraterrestrial Life Impact Religion?, University of Texas, Austin. 3/22.
- Conference Co-Director (with Neil Manson), 2020 meeting of The Society for Social and Ethical Issues in Astrobiology (online). 12/20.
- Conference Co-Director (with Carlos Mariscal), 2018 meeting of The Society for Social and Ethical Issues in Astrobiology, University of Nevada, Reno. 3/18.
- Conference Director, SSoCIA 2016. Inaugural meeting of The Society for Social and Ethical Issues in Astrobiology, Clemson University, 9/16.

PROFESSIONAL PRESENTATIONS

- The Ethics of Space Settlements. Invited presentation for the “Life on Earth and Beyond” astrobiology summer school sponsored by the European Astrobiology Network and the European Space Agency, June 2022, Ven, Sweden.
- Manifest Complexity. Astrobiology, Exo-Philosophy and Cosmic Religion. Willamette University, 5/22.
- Philosophy of Astrobiology and Space Exploration. Conference on Philosophy of Astrobiology and Science Fiction. University of Southern California, Sacramento. 4/22.
- The Problem of Alien Religion. Workshop on the Post-Contact Future of Religion. Virtual. 3/22.
- Philosophy in Space. London School of Economics, 10/21.
- The Ethics of Space Colonization. Moscow Institute for Physics and Technology. 4/21. Available online [here](#).
- First, Do Nothing: A Passive Protocol for First Contact. Space and Society Working Group. 3/21.
- Who’s Afraid of Little Green Men? Coastal Carolina University. 3/21.
- Everything You Ever Wanted to know about Philosophy of Space but Were Afraid to Ask. Salisbury College. 3/21.
- The immorality of METI: Why Friends Shouldn’t Let Friends Message Aliens. Center for Humanities, Durham University, UK. 3/21.
- Why Space Art? *SSoCIA 2020*. 12/20.
- Is there a Philosophy of Astrobiology? Salisbury College, 9/20.
- ’Religious’ Inspiration without Religion: Implications of a Complex Universe. Tennessee Valley Interstellar Workshop, Wichita, KS. 10/19.
- Big History and Complexification in Astrobiology. Conference on Big History and the Cosmic Perspective, London, UK. 9/19.
- Ethical Issues in Space. *Worldcon*, Dublin, Ireland, 8/19.
- Why Is the ‘What is Life?’ Debate Important? Blumberg Astrobiology Workshop, Greenbank Observatory. 7/19.
- Ethical, Legal and Social Issues in Astrobiology,” Blumberg Astrobiology Workshop, Greenbank Observatory. 7/19.
- Ethical Questions surrounding METI. International Society for the History, Philosophy, and Social Studies of Biology, Oslo, Norway. 7/19.
- Ethical Issues Concerning METI and Space Exploration. Making Contact 2018 (an online workshop sponsored by the Breakthrough Listen Project, 5/18.
- SoCIA*: A model for the Integration of Humanities and Science. Clemson Research Symposium, Clemson, 5/18.
- Is METI a Good Idea? *SSoCIA 2018*. Reno, 3/18.
- Social and Conceptual Issues in Astrobiology? CONTACT, Sunnyvale, 4/18.
- Panel Organizer and Moderator: How Much Should we Prioritize Human Colonization?, *SSoCIA 2018*. Reno, 3/18.
- METI or REGRETTI: Informed Consent, Scientific Paternalism, and Alien Intelligence. *SSoCIA 2018*, Reno, 3/18.
- Scientists Know Best? Scientific Paternalism and METI. Tennessee Valley Interstellar Workshop, Huntsville, AL, 10/17.

Philosophical Issues in Astrobiology. *International ISHPSSB*, Sao Paulo, Brazil, July 2017.

Life 2.0: How synthetic biology will transform our conception of life. *A Plurality of Lives* workshop, Nordic Astrobiology Network, Lund, Sweden, 6/17.

METI and Informed Consent. METI International workshop. St Louis, 5/17.

METI and the Danger of Scientific Paternalism. International Space Development Conference, St Louis, 5/17.

Is there a scientific Essence of Life? AbSciCon. Phoenix, 4/17.

Social and Ethical Issues in Astrobiology. AbSciCon. Phoenix, 4/17.

Life as a Fuzzy Concept. COST / European Astrobiology Network workshop, Quy Nohn, Vietnam, 12/16.

SSoCIA 2016. National Academies of Science, Engineering and Medicine conference, Irvine, CA, 12/16.

C'est La Vie. Canadian Society for History and Philosophy of Science, Calgary, 5/16.

Exploring the Ethical Dimensions of a new Gaming World. APPE, Dallas, 2/17.

Ethical Issues presented by Augmented Reality Gaming. SEAC, Salt Lake, 10/16.

Defining Life. Nordic Network of Astrobiology, Vilnius, Lithuania, 4/16.

Complexity, Theology and the Nature of Life. Knowledge, Morality and Spirituality conference, Kolkata, India, 1/16.

Life, the Universe and all That: Taking Astrobiology Seriously. ISHPSSB, Montreal Canada, 7/15.

Trends and Progress in Evolution? ISHPSSB, Montreal Canada, 7/15.

Cultural Imperialism and the Cultural Imperative Beyond Earth. British Interplanetary Society, London, 6/15.

Why Ask 'What Is Life?' Conference on the History and Philosophy of Astrobiology, Hoor, Sweden, 5/15.

Humanistic and Societal Implications of Astrobiology. Blumberg workshop, Washington DC, 4/15.

A Social Media Platform for Ethics Across the Curriculum. APPE, Costa Mesa, 2/15.

An Experiment in Crowd Sourced Ethics. Lilly conference, Austin, TX, 1/15.

The CU *Ethos* Project. SEAC. Arizona State University, 10/14.

An Ethics Curriculum for USCSOMG. University of South Carolina School of Medicine, Greenville, 3/13

Meditation and Martial Arts. Martial Arts and Philosophy conference, Halifax, Nova Scotia, 6/12.

Teaching Self Defense to Women. Martial Arts and Philosophy conference, Halifax, Nova Scotia, 6/12.

Merging Ethics and Biology. NSF Noyce conference, Greenville, SC, 3/11.

Bringing technology into the intro classroom. SC Society for Philosophy, 2/11.

Evolution and the Science Teacher. National Science Teacher's Association, 12/10.

Evolution and the SC Science Teacher. SC Science Council, 11/10.

SC Science Teachers and Evolution. SC Science Education Leadership Assoc., 12/10.

The *Evolution Matters* Project. Natl. Science Teachers Assoc., New Orleans, 3/09.

Foiling the Black Knight. Clemson University, 2/09.

Ethics Education. Natl Conference in Healthcare Genetics, Clemson, 10/08.

Pandemic Diseases & Bioterrorism. Natl, Science Teachers conference, Boston, 3/08.
The Role of college science teachers in the evolution/creationism controversy.
National Science Teachers Association, Birmingham, 12/07.
Ethics in the Science Classroom. American Chemical Society, Greenville SC, 10/07.
Musings on evidence based education. Clemson University, 3/07.
What Medical Ethics Is Not,” Geriatric Oncology conference, Greenville, SC, 11/06.
Keynote: Knowing what we Don’t Know (keynote). ACC conference, Clemson, 4/06.
Cooperation Among Strangers. Liberty Fund, San Francisco, 3/06.
Nursing and Ethics. Shelton School of Nursing, Abilene, 1/05.
On the Ethics of Terraforming Mars” NASA/AAAS workshop on the Social, Ethical
and Theological implication of Astrobiology, Washington DC, 11/04.
Life, the Universe, and all that... Conference on Artificial Life, Boston, 9/04.
The Ideal Job Application. ISHPSSB, University of San Francisco, 9/04.
Dabbling in Bioethics. ISHPSSB, University of San Francisco, 9/04.
Towards an Adequate Account of Genetic Disease. Conference on Philosophy
of Medicine, Birmingham, AL, 5/04.
Teaching ethics in a college level introductory biology course. National Science
Teachers Association, Atlanta, 4/04.
Integrating Ethics and Decision Making in Teaching Environmental Issues. National
Science Teachers Association, Atlanta, 4/04
Life, the Universe & Philosophy. AbSciCon, San Francisco, 3/04.
Philosophical Issues in Astrobiology? AbSciCon Grad. Conference, U. Arizona, 1/04.
The Concept of a genetic disease. Arizona State University, 10/03.
What do philosophers have to offer astrobiology? Arizona State University, 10/03.
Kicking Schmickens & Raising Schumans. Texas A&M University, 3/03.
The Socratic Method. Dietetic Educators conference, Clemson, 4/02.
Vitalism, Holism and Mechanism: What's a Developmental Guy to Do? SC Society
for Philosophy, Charleston, 2/02.
What are Students Learning in Introductory Philosophy Classes? SC Society for
Philosophy, Charleston, 2/02.
A User-friendly Approach to Ethics Across the Curriculum. APPE, Cincinnati, 2/02.
A Philosopher’s Approach to Case Studies. National Sigma Xi conference, Research
Triangle Park, NC, 11/01.
Science, Technology, the Environment, and Society. Undergraduate Bioethics
Conference, Emory University, Atlanta, 10/01.
Breaking News from the Stem Cell Front. Undergraduate Bioethics Conference,
Emory University, Atlanta, 10/01.
Misinterpretations of the Sterelney/Smith position. Philosophy and Developmental
Biology Group, Yale University, 7/01.
What a Genetic Trait is Not,” SC Philosophical Society, Myrtle Beach, 2/01.
Ethics Across the Curriculum: Philosophical Issues in Ethics Across the Curriculum,
Utah State University, 10/00.
Scientific Respectability. Intelligent Design and its Critics, Concordia, 6/00.
The Lure and Fear of Biotech. Genomics Research Conference, U. Georgia, 5/00.
An epistemic answer to an ontological question. University of Memphis, 2/00.
Cystic Fibrosis and the Genetic Disease Concept in Biology. American Society

for Bioethics and Humanities, Philadelphia, 10/99.
Genetic Testing of the General Population: Ethical and Informatic Concerns.
Intl. Conference on Ethical Issues in Biomedical Engineering, Clemson 5/99.
The Ideal Job Application. Eastern APA, Washington D.C., 12/98.
Manipulability and the Epidemiological Concept of a Genetic Disease. University of
Copenhagen, Kolloid, Denmark, 10/98.
The Concept of a Genetic Disease. ISHPSSB, University of Puget Sound, 7/97.
Cooperative Learning Strategies” National Tutoring Association, Little Rock, 4/97.
Genetic Screening of the General Population. Conference on Healthcare Ethics,
Mount Sinai Hospital, New York, 3/97.
Ethical Issues in Science. Association of Women in Science, Princeton, 11/96.
The Extended Replicator and Developmental Systems Theory. ISHPSSB, Pope’s
College, Leuven, Belgium, 7/95.
Information, Replication, and Teleology. Georgia State University, Atlanta, 5/94
On the Notion of Genetic Replicators. ISHPSSB. Brandeis University, 7/93.
A Structuralist Critique of Neo-Darwinism. ISHPSSB. Northwestern U., 7/91.
Marketing Process Structuralism. International Conference on Process and
Structure in Evolution, National University of Mexico, 4/91.
In Defense of Neo-Darwinism. ISHPSSB. University of Western Ontario, 7/89.

GRANTSMANSHIP

40 awards totaling over \$600,000 (\$478,000 external, \$126,000 internal)

ARTWORK

Book cover (in preparation), Smith & Traphagen, *The Future of Religion in Space*.
Exhibit (2021), *Metalmorphis* (metal sculpture), Gunin Library.
Exhibit (2021), *2020* (lino print), in *Equity, Diversity and Inclusion*, Gunin Library.
Book cover (2020) Smith & Mariscal, *Social and Conceptual Issues in Astrobiology*.

PEDAGOGY

COURSES TAUGHT

Philosophy: Philosophy of Astrobiology and Space Exploration, 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: Philosophy of Astrobiology and Space Exploration, Creation and
Evolution, The Lure and Fear of Biotechnology (honors), Genetics and Human
Values, Philosophical Issues in Science, Society Ethics and Technology, The
Conceptual History of Evolutionary Biology
Other: Buddhist Meditation, Self Defense for Women, Hapkido (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 CT² critical thinking initiative (2014-16)
- Co-designed and taught the Rutland Institute's highly successful *Ethics Across the Curriculum* interdisciplinary faculty workshops (2004-16)

GRADUATE THESES

- 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

UNDERGRADUATE THESES

- Advisor, Marina Shew, Space Law, 2018
- Advisor, Brad Saad, Philosophy of Time, 2011
- Advisor, Melanie Francis, Evolutionary Ethics, 2009

STUDENT RESEARCH

Student Publications and Presentations

- Smith, et., al. (in preparation). Injecting Space into Your Class Discussions with Ethics Case Studies. A Research paper with student mentees from Clemson, Coastal Carolina, Texas A&M, and the SC Governor's School for Science and Mathematics.
- Smith, Kelly C. and Caleb Hylkema (2020). Who's Afraid of Little Green Men? Genetic Enhancement for Off-World Settlements. Konrad Szocik (Ed.). *Human Enhancements for Space Missions*. Springer.

- Mentored a team of students whose paper in applied ethics was presented at a conference and then published in an undergraduate journal.
- Designed and ran the the *Evolution Matters* creative inquiry program, which created a series of podcasts to educate the public about evolution. The students presented their poster at the *Communicating Science* conference in Greenville where they won first prize.
- Mentored two students who presented their papers on applied ethics at the National Undergraduate Philosophy conference in Chattanooga.

Research Mentoring

- Designed and ran 14 different Creative Inquiry research projects
- Mentored SPRI students from the SC Governor's School for Science and Math
- Mentored Eureka honors students in 3 different projects over 7 summers
- Mentored an Ohio State University student as she conducted the SC evolution survey

SERVICE

LEADERSHIP DEVELOPMENT

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

PROFESSIONAL LEADERSHIP

Founder and President, Soc. 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, *Int. J. 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

Referee for dozens of journals and presses
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 (2002-03, 2013-14, 2015, 2017)
Admissions Committee, U. South Carolina School of Medicine, Greenville (2014-16)
Career Opportunities Committee, American Philosophical Assoc. (2000-2003)
Chair, Marjorie Greene Prize Committee, ISHPSSB (2002)
Program committee, Society for Ethics Across the Curriculum (2014)
Sigma Xi admissions committee (2003-04, 2005-06)
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, ISHPSSB (1999)
Committee rewriting the *DANTES: Ethics in America* exam, ETS, Princeton (1997)

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)
Provost's Title IX committee (2014)
Board of Trustees' Presidential Search Committee (2013-14)
Board of Directors, Clemson University Foundation (2013-14)
Faculty Senate President (2013-14)
Joint Faculty Senate/Board of Trustees task force to rework administrative personnel practices (2013)
Four Presidents Council (2013-14)
Academic Council (2013-14)
President's LGBTQ Task Force (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)
Quality Enhancement Program steering committee (2012-14)
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 of numerous grievance 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)
Departmental Director of Undergraduate Studies (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).

COMMITTEES WORK

University

Centennial Professor award committee (2015)
University honorary degree committee (2013-14)
Library Advisory Council (2012-)
Class of '39 award committee (2014)
University Tobacco Committee (2013-14)
University Graduation Committee (2013-14)
Human Resources Advisory Council (2013-14)
University Budget Accountability Committee (2013-14)
University Athletic Council (2012-14)
Council on Undergraduate Studies (2012-14)
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)
Faculty Senate Policy Committee (2008-10)
University Latin Honors Committee (2008-09)
Faculty Senate Recreational Advisory Committee (2008-9)
Great Works Program Committee (2003-2008)
University General Education Rubric committee (2005)
University Special Grievance Committee (2005)
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)
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)
Faculty Senate Review Committee, Class of '39 Award (2000)
University Accident Review Board (1999-00)
University Committee on Academic Integrity (1998)

College

College Interdisciplinary Studies Planning Committee (2020-21)
College Strategic Planning Committee (2020-21)
Gentry award committee (2007-08)
College Interdisciplinary Ph.D. Committee (2004)
College Faculty Advisory Council (2002-04)
Search Committee, director of Rutland Institute for Ethics (2001-02)
College Committee on Information Technology (1998-01)
College Staff awards committee (2000)
College Web Committee (2000)
College Committee on Core Curricula (Walker Committee) (1998-99)

Department

Departmental Merit Scale Committee (2019)
Departmental Chair Review Committee (2018-19)
Departmental Bylaws Revision Committee (2017-18)
Department Chair review committee (2013)
Department Search Committees (2001, 2002, 2004, 2005, 2010)
Department Advisory Committee (2001-2, 2004-05, 2006-9)
Department Undergraduate Coordinator (2001-2010)

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. 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)
Finding Your Special Purpose. Discussion with Clemson Sophomores, 2008.
The philosopher meets the coach. Athletics Academic Success Program (2006).
Founding Advisor, Philosophical Society of Clemson (1999-07)
Founding Advisor, Clemson Bioethics Club (2002-04).
Producer/actor, *The Paw Report* Tigerman skit, which won fourth place (2002)
Judge, Regional Forensics Competition (2000).
Coach, Philosophy team for college bowl tournament (1999)

PUBLIC OUTREACH

Everything you Always Wanted to Know about Social and Ethical Issues in
Astrobiology but didn't Know Enough to Ask. NW 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. 2015.
Online debate: Evolution vs. Creationism, 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. Planned Parenthood, 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, 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. Easley rotary club, 10/05
Public debate: The Ethics of Cloning. Morehead State University, 9/04.
Keynote speaker: "Ethical Reasoning" Chi Epsilon banquet, Clemson, 11/03
Panel discussion: Henrietta Lacks and the HeLa Cells. Clemson, 5/02.
Panel discussion: Jane Goodall's Contribution to Ethics. Clemson, 3/02.
Keynote Speaker: What humanities and science have in common, Alpha Epsilon
Lambda banquet, 4/01.
What your donations do for the library. Parade of Beneficiaries, 9/01
Keynote speaker: Who's Afraid of Biotech? Graduate Student / Calhoun Honors
College Research Forum, 4/00
Public debate: Creationism and Evolution. Upstate Secular Humanist Society, 9/00.
Public debate: Evolution and Creationism. Clemson, 11/99

MEDIA WORK

National and International Press

- The Pentagon UAP Report. al-Araby TV, 6/23/21. Available online [here](#)
- The Ethics of Space Colonization. *Za Nauku* (in Russian), April 23, 2021. Available online [here](#). NOTE: As of 4/28, this article had been accessed over 70,000 times.
- A Dyson Sphere Could Bring Humans Back From the Dead” in *Popular Mechanics*, by Stav Dimitritropoulis, 3/10/21. Available online [here](#).
- Creativity. Conscious Evolution Podcast by Robert Cobbold, Available online [here](#).
- How to Talk with Aliens. *NPR’s Science Friday with Ira Flatow*, April 2018. Available online [here](#).
- Exploring the Ethics of Human Settlement in Space. *Making New Worlds* podcast, Feb 20, 2018. Available online [here](#).
- Clemson's Kelly Smith Says Ethics Might Be Universal. *Huffington Post*, 1/26/15.
- Hope for Humanity’s moral destiny after all! Joseph B.H. McMillan blog, 2015.
- Researcher explores how the universe creates reason, morality. *Phys.org*, 1/23/15.
- How does the universe create reason, morality? *ScienceDaily*, January 23, 2015.
- Alien Life' Claim Hampered by Journal's Dubious Reputation. *Techneworld*, March 7, 2011.
- Technology in the classroom. *Wall Street Journal*, 9/05.
- The Ethics of Cloning. Your Day, *National Public Radio*, Sept 2, 2004.
- The Chances of Extraterrestrial Life. *CNN Presents: Is Anybody Out There?*, August 9, 2004
- 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*, Jan 14, 2000
- Pro-lifers seek to block embryo-derived research. *Washington Times*, Feb 18, 1999.
- “Human cloning draws nearer as ethicists seek to draw rules” (front page), *Washington Times* November 9, 1998.

State and Local Press

- Aliens Reimagined. *The Greenville Journal* 8/12/21. Available online [here](#).
- UFO’s, Aliens, and Deep Space. *SC PBS*, 7/21/21. Available online [here](#).
- New Clemson University President Installed during Graduation”, *Anderson Independent*, 5/9/14
- Clemson university considers tobacco ban. *GoErie.com*, 4/19/14
- Frankenfish' could be coming to market. *Sun News*, 9/13/10
- Darwinists Launch Evolutionary War on Christianity” in *TheVoicemagazine.com*, February 11, 2009.
- 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*, 2/13/09
- 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

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 & Courier*, 4/26/04.

Mars Rover finds evidence of water. *SC News network*, 3/5/04

The Florida Right to Die Case. *SC News network*, Nov 2003

Potential for Cloning draws mixed reaction. *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. *The Greenville News*, March 6, 2003

Congress bans Human Cloning. *The Daily Journal*, March 3, 2003

Cloning and the Raelians. *SC News Network*, January 10, 2003

Academic redemption, plus/minus grading and the provost's academic plan. *The State*, October 31, 2002

Gift giving during the holidays. *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

The Ethics of the Line", *The Oregonian*, December 16, 2001.

Cloning. *Creative Loafing*, December 7, 2001.

Carolina Concerns: Cloning. *WMYI* and *WSSL*, December 16, 2001.

Ethical Worries about Cloning. *Anderson Independent* (front page), Nov 27, 2001.

The Ethics of Cloning. *South Carolina News Network*, November 27, 2001.

The Higher Ideals of the Holidays. *SC News Network*, November 11, 2001.

The Holidays as a time for Reflection. *WVOC radio*, November 12, 2001.

The Holiday Spirit. *Clemson News Services*, October 17, 2001.

The Untimely Death of the Placebo effect", *MAMM: Women, Cancer and Community*, Sept-Oct., 2001.

Stem Cell Research. *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*, August 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.

Breaking the (Genetic) Code", *Birmingham Weekly*, Nov 9, 2000.

Cloning. *WFSU radio* (Tallahassee) May 1997.

Postmodernism. *The Observer*, March 2000.

Professor Questions Genetic Ethics. (front page), *Journal & Messenger*, 7/6/00.

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.

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 CT² (2015, 2016)

When a Paper Becomes a Weapon. Research Compliance seminar, 2012.

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 workshop, 4/01.

Where Our Students Are Coming From. OTEI workshop, 3/01.

Academic Integrity. Presidential colloquium, 1/03.

Got Ethics? OTEI and the Rutland Institute, 4/01.

Biotech as Bogeyman. Plant Pathology and Physiology seminar, 1/01.

The Socratic Method. A series of workshops for OTEI: 10/00, 11/00 and 1/01.

Scientists: philosophers in lab coats. BIOSC seminar, 10/00.

Humor in the Classroom. A series of workshops by OTEI: 10/00 and 11/00.

Selfish Genes and Super-Organisms. Entomology Seminar 1/99.

Leading Effective Discussions. Celebrating Teaching seminar, 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

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

Self-defense for Women seminars
Float Judge, Clemson Homecoming (2019)
Participant, Miss Clemson Pageant (2015)
SenatOars Team member, Clemson Regatta (2012, 2013)
Chaperone, 5th grade field trip to Charleston (2011)
Chaperone, 4th 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

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