

C. Ray Greek Jr., MD
Curriculum Vitae

Personal

Born, April 30, 1959 Birmingham, AL
Married, Jean Swingle Greek, DVM
Address 2251 Refugio Rd, Goleta, CA 93117
805-685-6812
DrRayGreek@gmail.com

Education

University of Alabama-Birmingham School of Medicine 1985
University of Wisconsin Anesthesiology residency 1989

Qualifications

Board certified Anesthesiology 1990
Sub-specialty certification Pain Management 1993

Medical practice

University of Wisconsin 1989-1990
Private practice Johnson City, TN 1990-1991
Thomas Jefferson University, Philadelphia, PA 1991-1993
Private practice Kansas City, MO 1993-1996

1996-current

President, Americans For Medical Advancement (www.AFMA-curedisease.org), based in California and Europeans For Medical Advancement, based in London.

Medical License

California

Publications

Journals

1. Greek, R. (2016.) Comment on “Lessons from Toxicology: Developing a 21st-Century Paradigm for Medical Research.” *Environmental Health Perspectives*.
Accepted. Publication pending.
2. Greek R (2015) Editorial. Systems Biology. *Biological Systems* 4:e112. doi: 10.4172/2329-6577.1000e112. <http://omicsgroup.org/journals/systems-biology-2329-6577-1000e112.php?aid=43898>
3. Greek, Ray. (2014.) [A Discussion of the Role of Complex Evolved Systems in the Development of Invasive Cardiovascular Interventions as Illustrated by the Blalock-Taussig Shunt and Intra-Arterial Stents](http://omicsgroup.org/journals/a-discussion-of-the-role-of-complex-evolved-systems-in-the-development-of-invasive-cardiovascular-interventions-as-illustrated-by-the-blalock-taussig-shunt-and-intra-arterial-stents). *Biological Systems – Open Access* 3:1. <http://omicsgroup.org/journals/a-discussion-of-the-role-of-complex-evolved-systems-in-the-development-of-invasive-cardiovascular-interventions-as-illustrated-by-the-blalock-2329-6577.1000124.pdf>

4. Greek, Ray. (2014.) "Letter to the Editor." *Theoretical Medicine and Bioethics* 35 (5):389-394. doi: 10.1007/s11017-014-9305-5.
http://link.springer.com/article/10.1007/s11017-014-9305-5?sa_campaign=email/event/articleAuthor/onlineFirst (pre-print version available at <http://www.afma-curedisease.org/tbme.aspx>)
5. Greek, R. (2014) The Ethical Implications for Humans in Light of the Poor Predictive Value of Animal Models. *International Journal of Clinical Medicine*, 5, 966-1005. doi: 10.4236/ijcm.2014.516129.
<http://dx.doi.org/10.4236/ijcm.2014.516129>
6. Greek R (2013) Editorial. Evolved Complex Systems. *Biol Syst* 2:e107. doi: 10.4172/2329-6577.1000e107 <http://omicsgroup.org/journals/evolved-complex-systems-2329-6577.1000e107.php?aid=21959>
7. Greek, R and LA Hansen. (2013) Questions regarding the predictive value of one evolved complex adaptive system for a second: Exemplified by the SOD1 mouse. *Progress in Physics and Molecular Biology*.
<http://dx.doi.org/10.1016/j.pbiomolbio.2013.06.002>
<http://www.sciencedirect.com/science/article/pii/S0079610713000539>
8. Greek, R and LA Hansen. (2013) The Strengths and Limits of Animal Models as Illustrated by the Discovery and Development of Antibacterials. *Biol Syst* 2:109. doi: 10.4172/BSO.1000109 <http://omicsgroup.org/journals/the-strengths-and-limits-of-animal-models-as-illustrated-by-the-discovery%20and-development-of-antibacterials-BSO.1000109.php?aid=14441>
9. Jones, R., & Greek, R. (2013). [A Review of the Institute of Medicine's Analysis of using Chimpanzees in Biomedical Research](http://link.springer.com/article/10.1007/s11948-013-9442-7#). *Science and Engineering Ethics*, 1-24, doi:10.1007/s11948-013-9442-7.
<http://link.springer.com/article/10.1007/s11948-013-9442-7#>
10. Greek R, Menache A. (2013) Systematic Reviews of Animal Models: Methodology versus Epistemology. *Int J Med Sci* 10(3):206-221. doi:10.7150/ijms.5529. <http://www.medsci.org/v10p0206.htm>
11. Greek, R and MJ Rice. Monozygotic twins: identical in name only. *Anesthesiology*. (2013) Jan;118(1):230. doi: 10.1097/ALN.0b013e318278c785.
http://journals.lww.com/anesthesiology/Fulltext/2013/01000/Monozygotic_Twins_Identical_in_Name_Only.48.aspx
12. Ray Greek and Lawrence A Hansen. (2012) The Development of Deep Brain Stimulation for Movement Disorders *J Clinic Res Bioeth* 3:137. doi: 10.4172/2155-9627.1000137
<http://www.omicsonline.org/2155-9627/2155-9627-3-137.php?%20aid=9962>

13. Greek, R. (2012) Book Review. Zoobiquity: What Animals Can Teach Us About Health and the Science of Healing. *Animals*. 2(4), 559-563; doi:10.3390/ani2040559 <http://www.mdpi.com/2076-2615/2/4/559>
14. Greek, R and Mark J Rice. (2012) Animal models and conserved processes. *Theoretical Biology and Medical Modelling* 9:40 doi:10.1186/1742-4682-9-40 <http://www.tbiomed.com/content/9/1/40/abstract>
15. Greek, R. Pippus, A. Hansen, L. (2012) The Nuremberg Code subverts human health and safety by requiring animal modeling. *BMC Medical Ethics* Jul 8;13(1):16. doi:10.1186/1472-6939-13-16 <http://www.biomedcentral.com/1472-6939/13/16/abstract>
16. Greek, R. Animal Models and the Development of an HIV Vaccine. (2012) *J AIDS Clinic Res* S8. doi: 10.4172/2155-6113.S8-001 <http://www.omicsonline.org/2155-6113/2155-6113-S8-001.php?aid=5787>
17. Greek, R. Menache, A. Rice M. (2012) Animal models in an age of personalized medicine. *Personalized Medicine*. January, Vol. 9, No. 1, Pages 47-64, DOI 10.2217/pme.11.89 (doi:10.2217/pme.11.89) <http://www.futuremedicine.com/doi/abs/10.2217/pme.11.89>
18. Greek R, Hansen LA, Menache A. (2011) An analysis of the Bateson Review of research using nonhuman primates. *Medicolegal and Bioethics* 1(1):3-22. doi:http://dx.doi.org/10.2147/MBS25938 <http://www.dovepress.com/an-analysis-of-the-bateson-review-of-research-using-nonhuman-primates-peer-reviewed-article-MB>
19. Greek, Ray. (2011) Patients Are Not Rodents Writ Large. *American Journal of the Medical Sciences*. 342(4):345. http://journals.lww.com/amjmedsci/Citation/2011/10000/Patients_Are_Not_Rodents_Writ_Large.19.aspx
20. Greek, Ray, Niall Shanks, and Mark J Rice. (2011) The History and Implications of Testing Thalidomide on Animals. *The Journal of Philosophy, Science & Law*. Volume 11, October 3. <http://jpsl.org/archives/history-and-implications-testing-thalidomide-animals/>
21. Greek, Ray and Niall Shanks. (2011) Complex systems, evolution, and animal models. *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences*. Dec;42(4):542-4 doi:10.1016/j.shpsc.2011.07.001 PMID: 22035727 http://www.afma-curedisease.org/pdf/2011_Studies_in_article_Preprint_version.pdf

22. Greek, R and Greek, J. (2010) Is the use of sentient animals in basic research justifiable? *Philosophy, Ethics, and Humanities in Medicine* 2010, 5:14. <http://www.peh-med.com/content/pdf/1747-5341-5-14.pdf>
23. Shanks N, Greek R, Greek J. (2009) Are animal models predictive for humans? *Philos Ethics Humanit Med.* Jan 15;4(1):2. <http://www.peh-med.com/content/pdf/1747-5341-4-2.pdf>
24. Greek J, Greek R. (2009) Thoughts on the benefits of personalized medicine. *J Am Vet Med Assoc.* Jan 1;234(1):40.
25. Shanks, N. and Greek, R. (2008) Experimental use of nonhuman primates is not a simple problem. *Nature Medicine.* October;14(10):807-8.
26. Greek, R. (2008) Letter to Editor. *American Scientist* January-February:96(1):4.
27. Bogle and Greek. (2004) Distribution of Animal Versus Nonanimal Research Funding at Four US Institutions in Fiscal Year 2000. *Journal of Applied Animal Welfare Science* 7(3):215-219
28. Greek and Greek. (2002) Letters. Evolution and Animal Models. *Comparative Medicine* 52 (6):499-500
29. Greek and Greek. (2002.) Animal Models of Human Disease in Light of Darwin and DNA. In *Human Rights Review.* Oct-Dec Vol 4, no 1. P 74-85.
30. Greek and Greek. (2002) Letters. Searching for Alternatives. *Nature Biotechnology* 20:431-2
31. Greek, R and P Pound. (2002) *BMJ* 324 (7331):236 (26 January) Letters. Animal studies are inaccurate for HIV research
32. Greek, R and Jean Greek. (2001) *Lancet* Jun 2;357(9270):1805 Animal tests after the genome.
33. Greek and Greek: (2000) Animal Research and Human Disease in *JAMA* (Feb. 9) 283:743
34. Greek and Greek: (1998) Is xenotransplant worth the risk, Letter to the Editor. *JAVMA* (Oct. 1);213:950
35. Waldman, S. D., Greek, C. R., & Greenfield, M. A. (1998) The caudal epidural administration of steroids in combination with local anesthetics in the palliation of pain secondary to radiographically documented lumbar herniated disc - A prospective outcome study with 6-months follow-up. *Pain Clinic.* 11(1), 43-49.

36. Greek and Greek: (1997) Letter to the Editor. *JAVMA*: Who is right about animal rights? *JAVMA*, Vol 210. No 8, April 15, p 1100
37. Greek: (1997) Letter to the Editor. *Review of Ophthalmology*, March
38. Greek and Greek: (1996) Letter to the Editor, *JAVMA*: Concerned about advice on BSE. *JAVMA*, Vol 209, No. 10, Nov 15, p1689-90
39. Waldman and Greek: (1994) Compression Fractures: Consider epidural nerve blocks for pain relief. Letter to the editor, *Geriatrics* Vol. 49 No.7 July
40. Greek: (1994) Comment and summary of Martin and Becker: Headaches from chemical exposures. *Headache* 1993; 33:555-559 in *Pain Digest* Vol.4, No.2, Spring
41. Greek and Couper: (1989) Prolonged Hypotension Secondary to Mesenteric Traction during a Transabdominal Approach to a Thoracoabdominal Aneurysm. *Cardiothoracic Anesthesia*, Vol 3, no. 3 (June), 342-343.

Book Chapters

1. Book chapter. Your Dog or Your Child. In *Critical Animal Studies: Thinking the Unthinkable*. Edited by John Sorenson. Toronto. Canadian Scholars Press Inc. 2014. pp117-133.
2. Book chapter. Animal Models of Cancer in Light of Evolutionary Biology and Complexity Science in *The Research and Biology of Cancer*. iConcept Press. ISBN 978-14775549-9-9. 2013
<http://www.iconceptpress.com/www/site/papers.webView.php?publicationID=BK030A>
3. Book chapter. Animal Models in Drug Development in Sivakumar Gowder (Editor) *New Insights into Toxicity and Drug Testing*. InTech Publishing. ISBN 980-953-307-844-6. 2013 <http://www.intechopen.com/books/new-insights-into-toxicity-and-drug-testing/animal-models-in-drug-development>
4. Greek, R. Medical Research with Animals. In *Animal Rights And Animal Welfare. Volume 2*. 2nd edition. Bekoff, M (Ed.). Greenwood Press. 2010. P373-377.
5. Greek, R. Animals in Science. In Bekoff, M (Ed.) *Human-Animal Relationships*. Greenwood Press. 2007. P1261-4.

Books

1. Shanks, N and Greek R. *Animal Models in Light of Evolution*. BrownWalker 2009.

2. Greek, R and Shanks, N. *FAQs About the Use of Animals in Science. A handbook for the scientifically perplexed*. University Press of America. 2009.
3. Greek and Greek. Book. *What Will We Do If We Don't Experiment On Animals? Medical Research for the Twenty-first Century*. Trafford 2004.
4. Greek and Greek. Book. *Specious Science: How Evolution and Genetics Explain Why Medical Research on Animals Kills Humans* (Continuum 2002).
5. Greek and Greek: *Sacred Cows and Golden Geese: The Human Cost of Experiments on Animals* (Continuum 2000).

Miscellaneous

Blog at <http://www.opposingviews.com/user/14921/track>

Greek, R. Public Discourse on Animal-Based Research. *Journal of Neuroscience*. September 28, 2009: <http://www.jneurosci.org/cgi/eletters/29/37/11417>.

Shanks, N. Greek, R. Nobis, N. and Greek, J. Animals and Medicine: Do Animal Experiments Predict Human Responses? *Skeptic* 2007;13(3):44-51.

Greek, R. Letter. What Have We Learned From the Use of Animals in Scientific Research? *Chronicle of Higher Education*. 3/23/2007.

Greek, R and Shanks, N. Poster. New England Complex Systems Institute. ICCS Boston MA August 2006.

Greek, R. Readers Respond. More on animal research's three Rs. *The Scientist* at <http://www.the-scientist.com/news/display/23256/>.

Greek. Animal rights extremism revisited. Letter. *The Scientist* 2005, 19(21):8.

Greek, R and Shanks, N. Poster. Society for Molecular Biology and Evolution meeting in Tempe, AZ, May 24-28, 2005

Greek, R and Festing, S. Debate. *The Ecologist* 11/03.

Greek and Greek. Letter. *The Scientist* 2003, 17(11):21.

Greek: The Role of Nerve Blocks in Tension-type Headache: *National Headache Foundation*, Spring 1996

Seltzer J, Greek R, Mauer P, Torjman M, Lessin J, Marr A, Williams J and J Fenlin: The Preemptive Analgesic Effect of Regional Anesthesia for Shoulder Surgery. American Society of Anesthesiology. October 1993. (Abstract)

Greek R, Mauer P, Torjman M, Schieren H, Finke J, Lessin J, Marr A, Fenlin J, and J. Seltzer: Effect of General Anesthesia versus Interscalene Block For Shoulder Surgery: Postoperative Pain and Neuro-endocrine Responses. American Society for Regional Anesthesia. Seattle, May 1993. (Abstract)

Mauer P, Greek R, Torjman M, Lessin J, Marr A, Fenlin J, and J Seltzer: Is Regional Anesthesia More Time Efficient than General Anesthesia for Shoulder Surgery? American Society for Regional Anesthesia. Seattle, May 1993. (Abstract)

Greek, Seltzer, Torjman, Mauer, Lessin, Williams and Fenlin: Comparison of General Anesthesia versus Interscalene Block for Shoulder Surgery. International Anesthesia Research Society. San Diego, March 1993. (Abstract)

Mauer, Seltzer, Torjman, Greek, Lessin, Williams and Fenlin: Postoperative Nausea, Emesis and Analgesic Requirements Following Shoulder Surgery: Does Regional Anesthesia Improve the Outcome? International Anesthesia Research Society. San Diego, March, 1993. (Abstract)

Greek, Janke, and Schroeder: The safety of continuous epidural opioid infusions for acute pain management in the non ICU environment. VI World Congress on Pain. Adelaide, Australia, April 1990. (Abstract)

Reviewer for journals

Medical Hypothesis

Philosophy, Ethics, and Humanities in Medicine

SpringerPlus

Biological Systems: Open Access!

Journal of the Royal Society of Medicine

Expert Opinion on Drug Metabolism & Toxicology

Current Diabetes Reviews

Science and Engineering Ethics