

C. Ray Greek Jr., MD  
*Curriculum Vitae*

**Personal**

Born, April 30, 1959 Birmingham, AL  
Married, Jean Swingle Greek, DVM  
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**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 (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>
2. 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-2329-6577.1000124.pdf). *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>
3. 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-](http://link.springer.com/article/10.1007/s11017-014-9305-5)

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4. 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>
5. 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>
6. 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>
7. 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>
8. Jones, R., & Greek, R. (2013). [A Review of the Institute of Medicine's Analysis of using Chimpanzees in Biomedical Research](#). *Science and Engineering Ethics*, 1-24, doi:10.1007/s11948-013-9442-7. <http://link.springer.com/article/10.1007/s11948-013-9442-7#>
9. Greek R, Menache A. Systematic Reviews of Animal Models: Methodology versus Epistemology. *Int J Med Sci* 2013; 10(3):206-221. doi:10.7150/ijms.5529. <http://www.medsci.org/v10p0206.htm>
10. 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](http://journals.lww.com/anesthesiology/Fulltext/2013/01000/Monozygotic_Twins_Identical_in_Name_Only.48.aspx)
11. Ray Greek and Lawrence A Hansen. The Development of Deep Brain Stimulation for Movement Disorders *J Clinic Res Bioeth* 2012, 3:137. doi: 10.4172/2155-9627.1000137 <http://www.omicsonline.org/2155-9627/2155-9627-3-137.php?%20aid=9962>
12. Greek, R. Book Review. Zoobiquity: What Animals Can Teach Us About Health and the Science of Healing. *Animals*. 2012, 2(4), 559-563; doi:10.3390/ani2040559 <http://www.mdpi.com/2076-2615/2/4/559>

13. Greek, R and Mark J Rice. Animal models and conserved processes. *Theoretical Biology and Medical Modelling* 2012, 9:40 doi:10.1186/1742-4682-9-40 <http://www.tbiomed.com/content/9/1/40/abstract>
14. Greek, R. Pippus, A. Hansen, L. The Nuremberg Code subverts human health and safety by requiring animal modeling. *BMC Medical Ethics* 2012 Jul 8;13(1):16. doi:10.1186/1472-6939-13-16 <http://www.biomedcentral.com/1472-6939/13/16/abstract>
15. Greek, R. Animal Models and the Development of an HIV Vaccine. *J AIDS Clinic Res* 2012, S8. doi: 10.4172/2155-6113.S8-001 <http://www.omicsonline.org/2155-6113/2155-6113-S8-001.php?aid=5787>
16. Greek, R. Menache, A. Rice M. Animal models in an age of personalized medicine. *Personalized Medicine*. January 2012, 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>
17. Greek R, Hansen LA, Menache A. An analysis of the Bateson Review of research using nonhuman primates. *Medicolegal and Bioethics* 2011;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>
18. Greek, Ray. Patients Are Not Rodents Writ Large. *American Journal of the Medical Sciences*. 2011;342(4):345. [http://journals.lww.com/amjmedsci/Citation/2011/10000/Patients\\_Are\\_Not\\_Rodents\\_Writ\\_Large.19.aspx](http://journals.lww.com/amjmedsci/Citation/2011/10000/Patients_Are_Not_Rodents_Writ_Large.19.aspx)
19. Greek, Ray, Niall Shanks, and Mark J Rice. The History and Implications of Testing Thalidomide on Animals. *The Journal of Philosophy, Science & Law*. Volume 11, October 3, 2011. <http://jpsl.org/archives/history-and-implications-testing-thalidomide-animals/>
20. Greek, Ray and Niall Shanks. 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*. 2011 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](http://www.afma-curedisease.org/pdf/2011_Studies_in_article_Preprint_version.pdf)
21. Greek, R and Greek, J. 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>

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23. Greek J, Greek R. Thoughts on the benefits of personalized medicine. *J Am Vet Med Assoc*. 2009 Jan 1;234(1):40.
24. Shanks, N. and Greek, R. Experimental use of nonhuman primates is not a simple problem. *Nature Medicine*. October 2008;14(10):807-8.
25. Greek, R. Letter to Editor. *American Scientist* January-February 2008:96(1):4.
26. Bogle and Greek. Distribution of Animal Versus Nonanimal Research Funding at Four US Institutions in Fiscal Year 2000. *Journal of Applied Animal Welfare Science* 2004;7(3):215-219
27. Greek and Greek. Letters. Evolution and Animal Models. *Comparative Medicine* 2002;52 (6):499-500
28. 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.
29. Greek and Greek. Letters. Searching for Alternatives. *Nature Biotechnology* 2002;20:431-2
30. Greek, R and P Pound. *BMJ* 2002;324 (7331):236 (26 January) Letters. Animal studies are inaccurate for HIV research
31. Greek, R and Jean Greek. *Lancet* 2001 Jun 2;357(9270):1805 Animal tests after the genome.
32. Greek and Greek: Animal Research and Human Disease in *JAMA* (Feb. 9) 2000;283:743
33. Greek and Greek: Is xenotransplant worth the risk, Letter to the Editor. *JAVMA* (Oct. 1) 1998;213:950
34. Waldman, S. D., Greek, C. R., & Greenfield, M. A. 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*. 1998;11(1), 43-49.
35. Greek and Greek: Letter to the Editor. *JAVMA*: Who is right about animal rights? *JAVMA*, Vol 210. No 8, April 15, 1997 p 1100

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

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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*