

# Daniel Kuebler

Professor of Biology  
Franciscan University of Steubenville  
1235 University Blvd.  
Steubenville, OH 43952  
(740) 284-5268  
dkuebler@franciscan.edu

## EDUCATION

<i>University of California, Berkeley</i> <i>Berkeley, CA</i> Ph.D. in Molecular and Cell Biology.	<i>1995-1999</i>
<i>Catholic University of America</i> <i>Washington, D.C.</i> M.S. in Molecular Biology.	<i>1993-1995</i>
<i>Catholic University of America</i> <i>Washington, D.C.</i> B.A. in English.	<i>1989-1993</i>

## WORK EXPERIENCE

<i>Professor of Biology</i> <i>Franciscan University of Steubenville</i> Responsible for teaching the following courses: Cell Physiology, Human Physiology, Anatomy and Physiology, Neurobiology, Sophomore Seminar, Exercise Physiology and Evolution. Maintained an undergraduate research laboratory in which undergraduate students investigated the underlying cause of seizure disorders through the study of a family of seizure susceptible <i>Drosophila</i> mutants known as the Bang-sensitive (BS) paralytics.	<i>August 2001-present</i>
<i>Legislative Assistant</i> <i>Rep. Ralph Regula (R)</i> <i>Washington, DC</i> Advised the Representative on scientific and educational policy issues. Meet with lobbying groups, constituents, and other Congressional staff members to identify and develop priorities in the FY 2002 Congressional budget.	<i>April 2001 –August 2001</i>
<i>Policy Analyst</i> <i>National Institute for Occupational Safety and Health</i> <i>Washington, DC</i> Compose, review, and edit scientific and policy documents for public distribution. Coordinate with other agencies and stakeholders to establish research partnerships.	<i>August 2000 –April 2001</i>
<i>Postdoctoral Researcher</i> <i>University of California, Berkeley</i> Identified genes that reduce seizure susceptibility in <i>Drosophila</i> , and supervised and assisted undergraduate and graduate student research.	<i>January 2000 –July 2000</i>

## ACADEMIC PUBLICATIONS

- Whelan J, Burke B, Rice A, Tong M, and Kuebler D. (2010) Sensitivity to seizure-like activity in *Drosophila* following acute hypoxia and hypercapnia. *Brain Research* 1326: 120-128.
- Kuebler D. (2008) Book Review of *Creation and Evolution: A Conference with Pope Benedict XVI in Castel Gandolfo. Faith and Reason* 23(1): 205-213.
- Kuebler D. (2008) Book Review of *Chance or Purpose: Creation, Evolution, and a Rational Faith. Faith and Reason* 23(1): 214-219.
- Kuebler D, Fowler T. (2007) *The Evolution Controversy*. Grand Rapids: Baker Academic.
- Kuebler D. (2006) Putting evolution in its place: How to make students receptive to evolution. *Forum on Public Policy* 2(4):823-34.
- Kuebler D, and Tanouye M. (2002) Anticonvulsant valproate reduces seizure-susceptibility in mutant *Drosophila*, *Brain Research* 958(1): 36-42.
- Zhang H, Tan J, Reynolds E, Kuebler D, Faulhaber S, Tanouye MA. (2002) The *Drosophila* slamdance gene: A mutation in an aminopeptidase can cause seizure, paralysis and neuronal failure. *Genetics* 162(3): 1283-99.
- Kuebler D, Zhang H, Ren X, Tanouye MA. (2001) Genetic suppression of seizure susceptibility in *Drosophila*. *J. of Neurophysiology* 86:1211-1225.
- Kuebler D, Tanouye MA. (2000) Modifications of seizure susceptibility in *Drosophila*. *J. of Neurophysiology* 83:998-1009.
- Kuebler D, Rao V. (1998) Functional analysis of the packaging/terminase protein Gp17 from the bacteriophage T4. *J. of Molecular Biology* 281(5):803-814.

## SELECTED CONFERENCE PRESENTATIONS

- Kaercher L, Stone B, DeChristopher K, and Kuebler D. (2010) "Alterations in metabolism suppress seizures in seizure-susceptible *Drosophila*." (*Annual mGluRs Midwest Undergraduate Neuroscience Research Meeting*, Oct 2).
- Kuebler D. (2009) "Embryonic Stem Cells: The Problems of Scientific Self-Regulation." (*FUS Institute of Bioethics: The Value of Human Life Conference*, Oct 23-25.)
- Kuebler D. (2008) "Can We Explain Complex Behavior?" (*Institute for the Study of Nature Summer Conference: "Hans Jonas and the Rediscovery of Nature,"* June 13-14).
- Kuebler D. (2007) "Why Trees? Convergence and Evolution." (*Institute for the Study of Nature Summer Conference: "The Nature of Nature,"* June 16-17).
- Kuebler D, Burke B. (2007) "Altered respiration in the *Drosophila* bang-sensitive paralytic mutant *easily-shocked*." (*Annual Drosophila Research Conference*, Abstr 843C, Mar 7-11).
- Kuebler D, Bender B, Boyek M, and Severance G. (2006) "The ability of hypoxic stimuli to induce seizure activity in the *Drosophila* bang-sensitive paralytic mutants." (*Annual Drosophila Research Conference*, Abstr 669B, Mar 29-Apr 2).
- Burns R, Boyek C, and Kuebler D. (2004) "Carbon dioxide, high-frequency light pulses, and extreme temperature as triggers of seizure and paralysis in the bang-sensitive paralytic mutants." (*Annual Drosophila Research Conference*, Abstr 957C, Mar 24-28).

## PATENTS

- Tanouye M, Kuebler D, and Zhang H. Methods and composition for inducing, detecting and modulating seizure in an animal system. US Patent #6,521,462.

## SELECTED POPULAR PUBLICATIONS

- Kuebler D. "Gut-Check Time for Catholic Coaches," *National Catholic Register*, Sept 12-25, 2010: Vol 86:19.
- Kuebler D. "When Reform Deforms," *National Catholic Register*, Jan 2-8, 2010: Vol 86:1.
- Kuebler D. "The Mess Money Made," *National Catholic Register*, May 10-16, 2009: Vol 85:19.
- Kuebler D. "Catholic Pro-Life Politics," *National Catholic Register*, Jan 18-24, 2009: Vol 85:3.
- Kuebler D. "Battle Over a Single Word," *National Catholic Register*, June 29-July 5, 2008: Vol 84:24.
- Kuebler D. "Stem Cells Simply," *National Catholic Register*, Dec 9-15, 2007: Vol 83:50.
- Kuebler D. "When Death is Part of Life," *National Catholic Register*, Mar 11-17, 2007: Vol 83:12.
- Kuebler D. "What Makes Marriage Special," *National Catholic Register*, Oct 22- Oct 28, 2006: Vol 82:43.
- Kuebler D. "For Girls Only: The Steroids Double Standard," *National Catholic Register*, Nov 27-Dec 3, 2005: Vol 81:47.
- Kuebler D. "America and the Academy," *National Catholic Register*, July 3-July 9, 2005: Vol 81:27.
- Kuebler D. "John Paul Brought Us Face to Face With Christ," *National Catholic Register*, Apr 17-Apr 23, 2005: Vol 81:16.
- Kuebler D. "California's Bad Move," *National Catholic Register*, Jan 16-Jan 22, 2005: Vol 81:3.
- Kuebler D. "Our Soldiers," *National Catholic Register*, May 23-29, 2004: Vol 80:21.
- Kuebler D. "Where Catholic Universities Can Lead the Way," *National Catholic Register*, Feb 1-7, 2004: Vol 80:5.

## RECENT HONORS AND AWARDS

- Faculty Summer Grant Recipient, Franciscan University of Steubenville, Steubenville, OH (2002, 2004, 2007)
- Faculty Enrichment Grant Recipient, Franciscan University of Steubenville, Steubenville, OH (2006, 2008, 2009)
- Outstanding Junior Faculty Award, Franciscan University of Steubenville, Steubenville, OH (2004)
- Allegheny Mountain Collegiate Conference Cross-Country Coach of the Year (2008, 2009, 2010)