

REV. NICANOR PIER GIORGIO AUSTRIACO, O.P., PH.D., S.T.D.

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ACADEMIC AND PROFESSIONAL EXPERIENCE

Professor of Biology, 2016 – Present.

Providence College, Providence, RI

Professor of Theology, 2016 – Present.

Providence College, Providence, RI

Research Fellow, 2017 – Present

Center for Religious Studies and Ethics,

University of Santo Tomas, Manila, Philippines

LAB HOMEPAGE: <http://www.austriacolab.com>

Associate Professor of Biology (with Tenure), 2011 – 2016.

Providence College, Providence, RI.

Catholic Chaplain, 2014 – 2015

Brown University, Providence, RI.

Assistant Professor of Biology, 2005 – 2011.

Providence College, Providence, RI.

Instructor of Theology, 2005 – 2015.

Providence College, Providence, RI.

Visiting Research Scholar, April/May 2014.

The Anscombe Centre for Bioethics, University of Oxford, Oxford, UK.

Founding Member of the Board, Society of Catholic Scientists, 2016- Present

Rhode Island IDeA Network for Excellence in Biomedical Research, 2015 – Present

Scientific Executive Committee.

Consultant, Catholic Bishops' Conference of the Philippines, Manila, 2014 – Present.

Committee on Bioethics.

Consultant, St. Joseph Health Services of Rhode Island, Providence, RI, 2010 – Present.

Our Lady of Fatima Hospital Medical Ethics Committee.

Consultant, United States Conference of Catholic Bishops, Washington, DC, 2005 – 2007.

Committee on Science and Human Values.

Ad Hoc Consultant in Bioethics, Congregation for the Doctrine of the Faith, Vatican City.

Ad Hoc Consultant in Bioethics, United States Conference of Catholic Bishops, Washington, DC.

Ad Hoc Consultant in Bioethics, Canadian Conference of Catholic Bishops, Ottawa, Canada

Ad Hoc Consultant in Bioethics, Diocese of Providence, Providence, RI.

Board Member, Eastern Colleges Science Conference, 2010 – Present.

Scientific Advisor, Rhode Island Right to Life, Providence, RI, 2008 – Present.

Scientific Advisor, National Catholic Bioethics Center, Philadelphia, PA, 2001 – 2015.

Staff Ethicist, Dominican Friars Health Care Ministry of New York, New York, NY, 2006 – 2012.

Current Research Grants

Principal Investigator, 2014 – 2017

National Institute of General Medical Sciences (NIGMS) of the National Institutes of Health (NIH)
R15 GM110578-01: “Genetic Dissection of Yeast Bax Inhibitor Function in UPR and Calcium Signaling.”
TOTAL AMOUNT: USD 257,049.00

Principal Investigator, 2013 – 2015

BioLogos Foundation Evolution and Christian Faith (ECF) Grant: “Disputed Questions in Evolutionary Creation: Thomistic Responses for the Catholic Faithful and Other Curious Minds”
TOTAL AMOUNT: USD 23,000.00

Investigator, Summer 2015

National Institutes of Health (NIH) Grant 2 P20 GM103430 to the Rhode Island INBRE Program
NIH-Rhode Island IDEa Network of Biomedical Research Excellence (INBRE) Program
Summer Undergraduate Research Fellows (SURF) Program:
“Genetic characterization of programmed cell death in aneuploid yeast cells”

Previous Research Grants

Principal Investigator, 2010-2013

NIGMS R15 GM094712-01: “Genetic Identification of Sulforaphane’s Mechanism of Action in Yeast Cell Death.”
TOTAL AMOUNT: USD 310,273.00

Principal Investigator, 2010-2013

National Science Foundation (NSF) MRI-R2: “Acquisition of a Laser Scanning Confocal Microscope for Research and Training in Biology at Providence College”
TOTAL AMOUNT: USD 266,261.00

Investigator, 2005 – 2014

National Institutes of Health (NIH) Grant 2 P20 RR016457 to the Rhode Island INBRE Program
NIH-Rhode Island IDEa Network of Biomedical Research Excellence (INBRE) Program
Research Projects:

“Genetic Characterization of Programmed Cell Death in the Budding Yeast, *Saccharomyces*”
[2005-2008]

“Genetic Characterization of *UTH1* and *BXII*, Two Genes Involved in Yeast Programmed Cell Death”
[2009-2014]

Journal Editor

Microbial Cell (founding member of board of academic editors)

BMC Research Notes

Philippiniana Sacra

Ad-Hoc Manuscript Reviewer

Scientific Journals:

The Annals of Pharmacotherapy
Apoptosis
FEMS Yeast Research
PLoS ONE
Mechanisms of Aging and Development
Yeast
Microbial Cell
G3

Theological and Philosophical Journals:

National Catholic Bioethics Quarterly
Nova et Vetera
The Linacre Quarterly
Science and Theology
The Thomist
American Catholic Philosophical Quarterly
Journal of Catholic Social Thought and Secular Ethics

Scientific Textbook Reviewer

- *Essentials of Genetic Analysis* by Mark Sanders and John Bowman (Pearson)
- *Genetics Essentials: Concepts and Connections* by Benjamin Pierce, 3rd edn. (WH Freeman)
- *Biological Sciences* by Scott Freeman, 4th edn. (Benjamin Cummings/Pearson)
- *Visualizing Human Biology* by Kathleen Anne Ireland, 2nd edn. (Wiley)
- *Genetic Analysis: An Integrated Approach* by Mark F. Sanders and John L. Bowman, 1st edn. (Pearson)
- *Lewin's Essential GENES* by Jocelyn E. Krebs, Elliott S. Goldstein, and Stephen T. Kilpatrick, 3rd edn. (Jones Bartlett Publishing)

Book Manuscript Reviewer

The Catholic University of America Press
Springer

Courses Taught at Providence College

BIO 103: General Biology I
BIO 122: Human Biology
BIO 127: Genes and Gender
BIO 200: Cellular and Molecular Biology
BIO 308: Modern Genetics
BIO 412: Microbial Physiology
BIO 475/479: Advanced Topics Seminar in the Biology of Cancer
BIO 475: Advanced Topics Seminar in the Biology of Aging
DWC 202: Development of Western Civilization Colloquium
HON 480: Honors Colloquium – Science and Religion
THL 240: Theology of St. Thomas Aquinas
THL 270: Growth in Christian Life
THL 372: Contemporary Moral Problems [Social, Sexual, and Medical Ethics]
THL 410: Contemporary Thomistic Moral Theology

EDUCATION

University of Fribourg, Fribourg, Switzerland

Doctorate in Sacred Theology (S.T.D.), *magna cum laude*, May 2015

Dissertation Title: *The Hylomorphic Structure of Thomistic Moral Theology from the Perspective of a Systems Biology*

Dissertation Supervisor: Rev. Michael Sherwin, O.P., Ph.D., Professor of Moral Theology

Dominican House of Studies, Washington, DC

Licentiate in Sacred Theology (S.T.L.), *summa cum laude*, May 2005.

Thesis: *Life and Death from the Systems Perspective: A Thomistic Bioethics for a Post-Genomic Age*

Master of Divinity, *summa cum laude*, May 2003

Bachelor in Sacred Theology (S.T.B.), *summa cum laude*, May 2003

Ludwig Institute for Cancer Research/University College London, London, UK

Fellow of the International Human Frontier Science Program, 1996-1997

Mentor: Parmjit Jat, Ph.D., Professor of Neurodegenerative Disease

Massachusetts Institute of Technology, Cambridge, MA

Doctor of Philosophy (Biology), June 1996.

Thesis: *UTH1 and the Genetic Control of Aging in the Yeast, Saccharomyces*

Mentor: Leonard P. Guarente, Ph.D., Novartis Professor of Biology

Pre-doctoral Fellow of the Howard Hughes Medical Institute (HHMI): 1990-1996

University of Pennsylvania, Philadelphia, PA

Bachelor of Science in Engineering (Bioengineering), *summa cum laude*, May 1989

Thesis: *Vertebral Body Densitometry Using Interactive Image Analysis*

Mentors: Denis S. Drummond, M.D., and John L. Williams, Ph.D.

Honors and Awards

2016 *Redemptor Hominis* Award from the St. John Paul II Bioethics Center,

Holy Apostles College and Seminary, Cromwell, CT.

Providence College Committee on Aid to Faculty Research (CAFR) Grant, 2006-2007; 2010-2011.

Calihan Religion and Liberty Academic Fellowship awarded by the Acton Institute, 2004-2005

Bishop Thomas V. Daily Vocations Scholarship from the Knights of Columbus, 2003-2004

Second Place Press Award, Best Feature Article – Scholarly, Catholic Press Association
of the United States and Canada, 2003

Summer Ministry Scholarship of the Blessed Margaret Costello Guild, Columbus, OH, 2002

International Human Frontier Science Program Long Term Fellowship, 1996-1997

Howard Hughes Medical Institute (HHMI) Pre-doctoral Fellowship in the Biomedical Sciences, 1990-1995

Dean's List, 1985-1989

Benjamin Franklin Scholar/General Honors Program, 1985-1989

John P. Lyet Scholarship for Academic Excellence

Hospitality Services of the University of Pennsylvania Scholarship

Tau Beta Pi, The National Engineering Honor Society

Pi Mu Epsilon, The National Math Honor Society

Sigma Xi, The Scientific Research Honor Society

1989 Nassau Grant for Undergraduate Research Award

1987 Best Article Award from the National Association of Engineering College Magazines

PUBLICATIONS

Books

Austriaco, N.P.G. *Biomedicine & Beatitude: An Introduction to Catholic Bioethics* (Washington, DC: The Catholic University of America Press, 2011) .

*** Named a 2012 “Outstanding Academic Title” by *Choice Magazine* (American Library Assn.)***

ACADEMIC BOOK REVIEWS: *National Catholic Bioethics Quarterly, Theological Studies, Homiletics and Pastoral Review, New Blackfriars, Heythrop Journal, Catholic Social Science Review, The Thomist, Reviews in Religion & Theology* Subject of a symposium in a special issue of *Nova et Vetera*, Volume 12, Issue 2, Spring 2014. A second edition of this monograph is in preparation.

Austriaco, N.P.G., Brent, J., Davenport, T., and Ku, J.B. *Thomistic Evolution: A Catholic Approach to Understanding Evolution in the Light of Faith* (Tacoma, WA: Cluny Media, 2016).

Booklet

Austriaco, N.P.G., O.P. *Understanding Stem Cell Research: Controversy and Promise* (New Haven, CT: Knights of Columbus, 2008; updated 2010). This 30-page booklet is part of the *Veritas* Series published by the Knights of Columbus.

Peer-Reviewed Work

SCIENTIFIC AND ENGINEERING PAPERS (Asterisks Indicate Undergraduate Co-authors)

Laprade, D.*, Brown, M.*, McCarthy, M.*, Ritch, J., and **Austriaco, N.** (2016) "Filamentation Protects *Candida albicans* from Amphotericin B-Induced Programmed Cell Death via a Mechanism Involving the Yeast Metacaspase, MCA1," *Microbial Cell* 3: 285-292

Pope, W.H. et al. (2015) "Whole genome comparison of a large collection of mycobacteriophages reveals a continuum of phage genetic diversity," *eLife* 4:e06416. [Publication describing the genomes of numerous phages sequenced as part of the HHMI-SEA Phages Hunters Program. Several of the phages were isolated and characterized by my students and me at Providence College.]

Chin, C.*, Donaghey, F.*, Helming, K.*, McCarthy, M.*, Rogers, S.*, and **Austriaco, N.** (2014) "Deletion of *AIF1* but not of *YCA1/MCA1* protects *Saccharomyces cerevisiae* and *Candida albicans* cells from caspofungin-induced programmed cell death," *Microbial Cell* 1: 58-63.

Lin, S-J and **Austriaco, N.** (2014) "Aging and Cell Death in the Other Yeasts, *Schizosaccharomyces pombe* and *Candida albicans*," *FEMS Yeast Research*, 14:119-135.

Cascio, V.*, Gittings, D.*, Merloni, K.*, and **Austriaco, N.** (2013) "S-Adenosyl-L-Methionine Protects the Probiotic Yeast *Saccharomyces boulardii*, from Acid-Induced Cell Death," *BMC Microbiology* 13:35.

Austriaco, N. (2012) "Endoplasmic Reticulum Involvement in Yeast Cell Death," *Front. Oncol.* 2:87.

Cebulski, J.*, Malouin, J.*, Pinches, N.*, Cascio, V.*, and **Austriaco, N.** (2011) "Yeast Bax Inhibitor, Bxi1p, is an ER-localized Protein that Links the Unfolded Protein Response and Programmed Cell Death in *Saccharomyces cerevisiae*," *PLoS ONE* 6(6): e20882. doi:10.1371/journal.pone.0020882

Ritch, J.J.*, Davidson, S.M.*, Sheehan, J.*, and **Austriaco, N.** (2010) "The *Saccharomyces* SUN Gene, *UTH1*, is Involved in Cell Wall Biogenesis," *FEMS Yeast Research* 10(2): 160-178.

Austriaco, N.R., Jr. and L. Guarente. (1997) "Changes of telomere length cause reciprocal changes in the lifespan of mother cells in *Saccharomyces cerevisiae*," *Proc. Natl. Acad. Sci. USA* 94: 9768-9772.

Austriaco, N.R., Jr. (1996) "To Bud Until Death: The Genetics of Aging in the Yeast, *Saccharomyces*," *Yeast* 12: 623-630.

Kennedy, B.K., **Austriaco, N.R., Jr.**, Zhang J., and L. Guarente. (1995) "Mutation in the Silencing Gene *SIR4* Can Delay Aging in *S. cerevisiae*" *Cell* 80: 485-496

Kennedy, B.K., **Austriaco, N.R., Jr.**, and L. Guarente. (1994) "Daughter Cells of *Saccharomyces cerevisiae* from Old Mothers Display a Reduced Life Span," *J. Cell Biol.* 127: 1985-1993

Austriaco, N.R. Jr., J.L. Williams, and D. S. Drummond. (1991) "Trabecular Bone Densitometry Using Interactive Image Analysis," *J. Biomed. Engr.* 13:481-484.

PHILOSOPHICAL AND THEOLOGICAL PAPERS & CHAPTERS

Austriaco, N. (2017) "May a Catholic Medical School Buy and Use an Unclaimed Cadaver?" *Philippiniana Sacra*, in press.

Austriaco, N. (2017) "A Fittingness Argument for the Evolution of *Homo sapiens*," *Theology and Science*, in press.

Austriaco, N. (2016) "A Philosophical Assessment of TK's Autopsy Report: Implications for the Debate Over the Brain Death Criteria," *Linacre Quarterly* 83: 192-202.

Sullivan, E., and **Austriaco, N.** (2016) "A Virtue Analysis of Recreational Marijuana Use," *Linacre Quarterly* 83: 158-173.

Austriaco, N. (2016) "The Brain Dead Patient is Still Sentient: A Further Reply to Patrick Lee and Germain Grisez," *Journal of Medicine and Philosophy* 41 (2016): 315-328.

Austriaco, N. (2016) "Bioethics in *Laudato Si*: The Ecological Law as a Moral Principle," *National Catholic Bioethics Quarterly* 15 (2015): 657-664.

Austriaco, N. (2015) "Human Nature as Normative Concept: Relevance for Health Care," in *Handbook of the Philosophy of Medicine*, ed. Thomas Schramme and Steven Edwards (New York: Springer Netherlands), pp. 1-10.

White, M.*, and **Austriaco, N.** (2015) "The Use of Pre-term Induction in Crisis Pregnancies: The Drowning Lifeguard-Drowning Swimmer Case," *Angelicum* 92: 115-128.

Austriaco, N. (2015) "Abortion Shame, Abortion Shaming, and the Reintegrative Mercy of God (*Evangelium vitae*, §99)," *Nova et Vetera* 13 (3): 1185-1208.

Austriaco, N. (2015) "A Fittingness Argument for the Historicity of the Fall of *Homo sapiens*," *Nova et Vetera* 13 (2): 651-667.

Cataldo, Peter J., William Cusick, Becket Gremmels, Cornelia Graves, Elliott Louis Bedford, **Nicanor Pier Giorgio Austriaco, O.P.**, Paul Burstein, Ron Hamel, John Hardt, Sarah Hetue Hill, Mark Repenshek, Cherie Sammis, John Paul Slosar, and Dan O'Brien. (2015) "Deplantation of the Placenta in Maternal-Fetal Vital Conflicts," *National Catholic Bioethics Quarterly* 15 (2): 241-250.

Austriaco, N. et al. (2014) "Medical Intervention in Cases of Maternal-Fetal Vital Conflicts: A Statement of Consensus," *National Catholic Bioethics Quarterly* 14 (3): 477-489.

Austriaco, N. (2014) "A Response to My Colleagues," *Nova et Vetera* 12 (2): 565-574. [My contribution to a special issue of *Nova et Vetera* dedicated to my book, *Biomedicine and Beatitude*.]

Austriaco, N. (2014) "Preaching Catholic Bioethics with Joy and Mercy," *National Catholic Bioethics Quarterly* 14: 217-226.

Austriaco, N. (2013) "The Specification of Sex/Gender in Human Beings: A Thomistic Analysis," *New Blackfriars* 94 (1054): 701-715.

- Austriaco, N.** (2012) "On Ovarian Tissue Transplantation and the Metaphysics of the Embodied Self: A Response to Lauritzen and Vicini," *Theological Studies* 73 (2): 442-449.
- Austriaco, N.** (2012) "Personalized Genomic Educational Testing: What Do the Undergrads Think?" *American Journal of Bioethics* 12(4): 43-45.
- Austriaco, N.** (2011) "Abortion in a Case of Pulmonary Arterial Hypertension: A Test Case for Two Rival Theories of Human Action," *National Catholic Bioethics Quarterly* 11(3): 503-518.
- Austriaco, N.** (2011) "Complete Moles and Parthenotes are Not Organisms," in *Is This Cell a Human Being?* ed. Antoine Suarez and Joachim Huarte (New York: Springer), pp. 45-54.
- Austriaco, N.** (2011) "Living the Natural Law and Respecting the Ecological Good" in *Green Discipleship: Catholic Theological Ethics & the Environment*, ed. Tobias Winright (Winona, MN: Anselm Academic), pp. 150-162.
- Austriaco, N.** (2011) "The Soul and Its Inclinations: Recovering a Metaphysical Biology with the Systems Perspective," in *The Human Animal: Procreation, Education, and the Foundations of Society*, Proceedings of the X Plenary Session, 18-20 June 2010, The Pontifical Academy of St. Thomas Aquinas (Vatican City: The Pontifical Academy of St. Thomas Aquinas, 2011), pp. 48-63.
- Austriaco, N.** (2010) "Understanding Sexual Orientation as a *Habitus*: Reasoning from the Natural Law, Appeals to Human Experience, and the Data of Science," in *Leaving and Coming Home: New Wineskins for Catholic Sexual Ethics*, ed. David Cloutier (Eugene, OR: Cascade Books/Wipf & Stock), pp. 101-118.
- Austriaco, N.** (2010) "Using Morally Controversial Human Cell Lines After *Dignitas Personae*," *National Catholic Bioethics Quarterly* 10(2): 265-272.
- Austriaco, N.** (2009) "In Defense of the Loss of Bodily Integrity as a Criterion for Death: A Response to the Radical Capacity Argument," *The Thomist* 73 (2009): 647-659.
- Austriaco, N.** (2009) "Presumed Consent for Organ Procurement: A Violation of the Rule of Informed Consent?" *National Catholic Bioethics Quarterly* 9(2): 245-252.
- Austriaco, N.** (2009) "The Intelligibility of Intelligent Design?" *Angelicum* 86: 103-111.
- Austriaco, N.** and M.G. Loudin* (2008) "Understanding the Controversy Over Intelligent Design and the Acceptability of Intelligent Causality in Science," *Forum Teologiczne* 9: 29-39.
- Austriaco, N.** (2007) "Is Plan B an Abortifacient? A Critical Look at the Scientific Evidence," *National Catholic Bioethics Quarterly* 7 (4): 703-707.
- Austriaco, N.** (2007) "An Argument Against Embryo Adoption" in *Urged On By Christ: Proceedings of the Twenty-First Workshop for Bishops*, ed. E. Furton (Philadelphia, PA: The National Catholic Bioethics Center), pp. 51-60.
- Austriaco, N.** (2006) "On the Catholic Vision of Conjugal Love and the Morality of Embryo Transfer," in *Human Embryo Adoption: Biotechnology, Marriage, and the Right to Life*, ed. E. Furton and T. Berg, L.C., (Philadelphia, PA: The National Catholic Bioethics Center), pp. 115-134.
- Austriaco, N.** (2006) "The Moral Case for ANT-Derived Pluripotent Stem Cell Lines," *National Catholic Bioethics Quarterly* 6 (3): 517-537.

Austriaco, N. (2006) "How to Navigate Species Boundaries: A Reply to the *American Journal of Bioethics*," *National Catholic Bioethics Quarterly* 6 (1): 61-71.

Austriaco, N. (2005) "Debating Embryonic Dignity in a Liberal Society," *Stem Cell Reviews* 1 (4): 305-308.

Austriaco, N. (2005) "Are Teratomas Embryos or Non-Embryos? A Criterion for Oocyte-Assisted Reproduction," *National Catholic Bioethics Quarterly* 5(4): 697-706.

Arkes, H, **Austriaco, N.**, et al. (2005) "Production of pluripotent stem cells by oocyte-assisted reprogramming: joint statement with signatories," *National Catholic Bioethics Quarterly* 5(3): 579-583.

Austriaco, N. (2005) "Altered Nuclear Transfer: A Critique of a Critique," *Communio* 32 (2005): 172-176.

Austriaco, N. (2005) "On Reshaping Skulls and Unintelligible Intentions," *Nova et Vetera*, 3(1): 81-99.

Austriaco, N. (2004) "Immediate Hominization from the Systems Perspective," *National Catholic Bioethics Quarterly*, 4(4): 719-738.

Austriaco, N. (2003) "In Defense of Double Agency in Evolution: A Response to Five Modern Critics," *Angelicum* 80: 947-966.

Austriaco, N. (2003) "Is the Brain Dead Patient *Really* Dead?" *Studia Moralia* 41(2): 277-308.

Austriaco, N. (2003) "The Pre-implantation Embryo Revisited: Two-celled Individual or Two Individual Cells?" *Linacre Quarterly* 70(2): 121-126.

Austriaco, N. (2002) "On Static Eggs and Dynamic Embryos: A Systems Perspective" *National Catholic Bioethics Quarterly* 2(4): 659-683.

Austriaco, N. (2001) "Genetic Engineering, Post-Genomic Ethics, and the Catholic Tradition," *National Catholic Bioethics Quarterly* 1(4): 497-506.

Austriaco, N. (2000) "Metaphysics and Catholic Bioethics," *Ethics and Medics* 25 (11): 3-4.

Austriaco, N. (1999) "Causality within complexity," *J. Interdisciplinary Studies* 11: 141-156.

PEER-REVIEWED ENCYCLOPEDIA ENTRIES

"Homunculus" in *New Catholic Encyclopedia Supplement 2012-13: Ethics and Philosophy*. Ed. Robert L. Fastiggi. Vol. 2. (Detroit: Gale, 2013), pp. 720-721.

"Hylomorphism" in *New Catholic Encyclopedia Supplement 2012-13: Ethics and Philosophy*. Ed. Robert L. Fastiggi. Vol. 2. (Detroit: Gale, 2013), pp. 727-728. (updated from an article written by Rev. William A. Wallace, O.P.)

"Brain Death" in *New Catholic Encyclopedia, Supplement 2009*. Ed. Robert L. Fastiggi, Joseph W. Koterski, S.J., and Frank J. Coppa. (Detroit: Gale, 2009), pp. 109-113.

"Cloning" in *New Catholic Encyclopedia, Supplement 2009*. Ed. Robert L. Fastiggi, Joseph W. Koterski, S.J., and Frank J. Coppa. (Detroit: Gale, 2009), pp. 161-164.

“Assisted Suicide” in *Encyclopedia of Catholic Social Thought, Social Science, and Social Policy*. Ed. Michael L. Coulter, Stephen M. Krason, Richard S. Myers and Joseph A. Varacalli. (Lanham, MD: Scarecrow Press, 2007), pp. 58-59.

“Sterilization” in *Encyclopedia of Catholic Social Thought, Social Science, and Social Policy*. Ed. Michael L. Coulter, Stephen M. Krason, Richard S. Myers and Joseph A. Varacalli. (Lanham, MD: Scarecrow Press, 2007), pp. 1032-1033.

Scholarly Book Reviews

Steven Jensen, *The Ethics of Organ Transplantation* (Washington, DC: The Catholic University of America Press, 2011) in *The Thomist* 77(3): 487-491.

Martin Rhonheimer, *Vital Conflicts in Medical Ethics: A Virtue Approach to Craniotomy and Tubal Pregnancies* (Washington, DC: The Catholic University of America Press, 2009) in *National Catholic Bioethics Quarterly* 10(1): 201-206.

Guiseppe Buonocore and Carlo V. Bellieni, eds., *Neonatal Pain: Suffering, Pain, and Risk of Brain Damage in the Fetus and Newborn* (Milan: Springer, 2007) in *National Catholic Bioethics Quarterly* 9(4): 793-795. [Coauthored with Katherine Helming*]

Michael Ruse, *The Evolution-Creation Struggle* (Cambridge, MA: Harvard University Press, 2005) in *The Thomist* 71(3): 487-490. [Coauthored with Michael G. Loudin*]

Alister E. McGrath, *A Scientific Theology: Theory* (Grand Rapids, MI: Wm. B. Eerdmans Publishing Company, 2003) in *National Catholic Bioethics Quarterly* 5 (4): 849-851.

David F. Kelly, *Contemporary Health Care Ethics* (Washington, DC: Georgetown University Press, 2004) in *National Catholic Bioethics Quarterly* 5 (2): 425-428.

Alister E. McGrath, *A Scientific Theology: Reality* (Grand Rapids, MI: Wm. B. Eerdmans Publishing Company, 2002) in *National Catholic Bioethics Quarterly* 5(1): 203-205.

Alister E. McGrath, *A Scientific Theology: Nature* (Grand Rapids, MI: Wm. B. Eerdmans Publishing Company, 2001) in *National Catholic Bioethics Quarterly* 3(4): 861-862

Bernard Lo, *Resolving Ethical Dilemmas: A Guide for Clinicians*, 2nd edn. (Philadelphia: Lippincott Williams & Wilkins, 2000) in *National Catholic Bioethics Quarterly* 2(2): 351-353.

Paul Lauritzen, ed., *Cloning and the Future of Human Embryo Research*. (New York, NY: Oxford University Press, 2001) in *National Catholic Bioethics Quarterly* 1(4): 654-656.

John Paul II, *Fides et Ratio: On the Relationship between Faith and Reason*. (Boston, MA: Pauline Books and Media, 1998) in *Journal of Interdisciplinary Studies* 13:209-210.

William E. May, *Catholic Bioethics and the Gift of Human Life*. (Huntington, IN: Our Sunday Visitor Press, 2000) in *National Catholic Bioethics Quarterly* 1(1): 113-114.

Popular Essays

Austriaco, N. (2017) “Identity Studies in Service of a Classical Education,” *Public Discourse*, February 15, 2017. Available at <http://www.thepublicdiscourse.com/2017/02/18750/>.

Austriaco, N. (2012) "Will Advances in the Life Sciences Change Our Vision of Man?" *Culture e Fede* 20: 23-25.

Austriaco, N. (2006) "Reading Genesis with Cardinal Ratzinger," *Homiletics and Pastoral Review* 106 (5): 22-27.

Austriaco, N. (2003) "The Myth of the Gay Gene," *Homiletics and Pastoral Review* 104 (3): 28-31; 48-53.

Austriaco, N. (2002) "Was Jesus Happy on the Cross?" *Homiletics and Pastoral Review* 102 (5): 24-30.

Austriaco, N. (2000) "Scientific Faith," *This Rock* 11(12): 8-11.

Newspaper Commentaries

"Proposed Abortion Bill (H3543) Ignores Cutting-Edge Science," *Rhode Island Catholic*, March 2, 2017.

"Patients Do Not Need Congressman Langevin's Clone-to-Kill Bill," *Rhode Island Catholic*, April 15, 2010.

"Children Should Be Begotten and Not Made," *Rhode Island Catholic*, March 5, 2009.

"Stem Cell Order Was Immoral and Unnecessary," *Rhode Island Catholic*, April 2, 2009.

PROFESSIONAL PRESENTATIONS

Invited Speaker

2018: Lecture: "Toward a Thomist Idea of Snake Evolution," University of Mary, Bismarck, SD, February 9, 2018.

2018: First Annual Dr. Paula Inés Castagnet Lecture on Science and Religion: "Defending Adam after Darwin," Ave Maria University, Ave Maria, FL, February 2, 2018.

2018: Lecture: "Sex and Gender: A Thomistic Perspective," Kenrick-Glennon Seminary, St. Louis, MO, January 29, 2018.

2017: Lecture: "Toward a Thomist Idea of Snake Evolution," Annual Meeting of the American Catholic Philosophical Association, Dallas, TX, November 18, 2017.

2017: Lecture: "Defending Adam after Darwin," St. Charles Borromeo Seminary, Philadelphia, PA, November 13, 2017.

2017: Lectures: "Reconstructing a Thomistic Natural Law Ethic for Speaking Primates," Dominican House of Studies, Krakow, Poland, March 6-10, 2017.

2017: Lecture: "Why Would God Have Chosen to Create with Evolution?" Notre Dame Seminary, New Orleans, LA, February 20, 2017.

2017: Lecture: "Bioethics and the Limits of Science," Austin Institute, University of Texas at Austin, Austin, TX, February 3, 2017.

2017: Consultation: "Pathways to Convergence: Examining Diverse Perspectives of Catholics on Advance Care Planning, Palliative Care, and End-of-Life Care in the U.S.," Center for Practical Bioethics, Chicago, IL, January 30-31, 2016.

- 2017: St. Thomas Aquinas Lecture: “The Historicity of Adam and Eve in Light of Evolution,” St. Thomas Aquinas Newman Center, University of North Dakota, Grand Forks, ND, January 28, 2017.
- 2016: Science in Seminaries Initiative: “The Historicity of Adam and Eve in Light of Evolution,” St. Joseph Seminary, Archdiocese of New Orleans, New Orleans, LA, November 13, 2016.
- 2016: 2016 Pope St. John Paul II Bioethics Lecture: “Is the Brain Dead Patient *Really* Dead?” Holy Apostles College and Seminary, Cromwell, CT, October 13, 2016.
- 2016: Science and Religion Lecture Series: “The Historicity of Adam and Even in Light of Evolution,” Borromeo Seminary, Cleveland, OH, October 8, 2016.
- 2016: Conference: “Science and Religion,” Fellowship of Catholic Scholars 39th Annual Convention, Washington, DC, September 25, 2016.
- 2016: Conference: “What is the Embryo?” Vita Institute, Archdiocese of Los Angeles and the University of Notre Dame, Camarillo, CA, July 22-23, 2016.
- 2016: Conference: “Science, Philosophy, and Religious Commitment: Catholic Engagement in Philosophy of Science,” University of St. Thomas, St. Paul, MN, June 26-28, 2016.
- 2016: Conference: “Third International Vatican Stem Cell Conference – Adult Stem Cells: Regenerative Medicine-Progress and Its Cultural Impact,” Vatican City, April 28-30, 2016.
- 2016: Conference: RI-INBRE Rhode Island IDeA Network for Biomedical Research Excellence Symposium, Brown University, Providence, RI, March 17, 2016.
- 2016: Conference: “The Intellectual Tasks of the New Evangelization: Science and Religion,” United States Conference of Catholic Bishops, Washington, DC, March 11, 2016.
- 2016: Departmental Seminar: “To Die or Not to Die: Genetic Characterization of Yeast Programmed Cell Death,” University of Mary, Bismarck, ND, January 27, 2016.
- 2016: St. Thomas Aquinas Lecture: “Is Every Deliberately Willed Spoken Falsehood, a Lie? A Hylomorphic Investigation of Speech Acts,” University of Mary, Bismarck, ND, January 27, 2016.
- 2015 Conference: “End of Life Conversations and the Catholic Perspective,” 2015 Annual Bereavement Conference, Diocese of Brooklyn, St. Francis College, Brooklyn, NY, November 7, 2015.
- 2015 Seminar: “Science and Religion: Strangers, Rivals, or Partners in the Search for Truth?” University of Notre Dame, Notre Dame, IN, June 14-19, 2015.
- 2015 Conference: “Libertas et conscientia,” Stiftung politische und christliche Jugend-bildung e.V., Rocca di Papa, Rome, Italy, April 8-12, 2015.
- 2015 Consultation: “Mechanism of Action of Plan B,” Canadian Catholic Bioethics Institute, Toronto, CA, March 5, 2015.
- 2015 Consultation: “Mechanism of Action of Plan B,” The Center for Bioethics and Human Dignity, Trinity International University, Chicago, IL, February 6, 2015.
- 2014 Schmitt Lecture: “Is the Brain-dead Patient Really Dead? A Scientific, Philosophical, and Bioethical Analysis,” University of Notre Dame, Notre Dame, IN, December 4, 2014.

- 2014 International Congress: “Dehumanization and Depersonalization in Medicine and the Modern World and the Life of St. John of Dukla,” St. John of Dukla Cancer Center, Lublin, Poland, October 8-12, 2014.
- 2014 Lecture: “End of Life Care in the Catholic Tradition,” Center for Religious Studies and Ethics, University of Santo Tomas, Manila, Philippines, August 13, 2014.
- 2014 Conference: “Eugenics and Ethics Conference,” Archdiocese of Los Angeles, Cathedral of Our Lady of the Angels, Los Angeles, CA, July 26, 2014.
- 2014 Conference: “Recovering Causality: Historical Sources and Systematic Challenges from a Thomistic Perspective,” The Pontifical University of St. Thomas Aquinas, Rome, June 24-26, 2014.
- 2014 John Templeton Seminar: “Science and Religion: Strangers, Rivals or Partners in the Search for Truth?” University of Notre Dame, Notre Dame, IN, June 15-20, 2014.
- 2014 Symposium: “Brain Death,” The Catholic University of America, Washington, DC, June 3-4, 2014.
- 2014 Conference Keynote Speaker: “Rediscovering Joy in Health Care,” University of St. Thomas, St. Paul, MN, March 28-29, 2014.
- 2014 The 2014 Carl J. Peter Lecture: “Preaching Catholic Bioethics with Joy and Mercy,” North American College, Vatican City, March 2, 2014.
- 2013 Conference: “Second Vatican International Vatican Stem Cell Conference – Adult Stem Cells: Regenerative Medicine-A Fundamental Shift in Science and Culture,” Vatican City, April 10-13, 2013.
- 2013 Conference: “What is Man that You Should Keep Him in Mind?” at 7th Annual St. Thomas Aquinas Theological and Catechetical Forum, Aquinas College, Nashville, TN, February 15-16, 2013.
- 2013 Workshop: “Bioethics Through the Eyes of Faith: Serving Christ in the Sick and Vulnerable,” The Twenty-Fourth Workshop for Bishops, The National Catholic Bioethics Center and the Knights of Columbus, Dallas, TX, February 4-6, 2013.
- 2012 The 2012 Dom Luke Childs Lecture: “What Can Human Genomics Tell Us About Adam and Eve?” Portsmouth Abbey School, Portsmouth, RI, October 15, 2012.
- 2012 Conference: “What can Genomic Science Tell Us About Adam and Eve? A Catholic Perspective” at the Portsmouth Institute on Modern Science and Ancient Faith, Portsmouth Abbey, Portsmouth, RI, June 22 – 24, 2012.
- 2012 Conference: “What can Genomic Science Tell Us About Adam and Eve? A Catholic Perspective” at the Thomistic Circles on Creation and Modern Science, Dominican House of Studies, Washington, DC, April 14, 2012.
- 2012 Departmental Seminar: “To Die or Not to Die: Genetic Characterization of Yeast Programmed Cell Death,” Trinity College, Hartford, CT, March 1, 2012
- 2011 Conference: “First Vatican International Vatican Stem Cell Conference – Adult Stem Cells: Science and the Future of Man and Culture,” Vatican City, November 9-11, 2011.
- 2011 Workshop: “Workshop on Adult and Non-embryonic Stem Cell Research,” University of Notre Dame, South Bend, IN, June 28-July 2, 2011.

- 2010 Conference: “Dominicans and the Challenge of Thomism,” The Priory of St. Joseph, Warsaw, Poland, June 30-July 5, 2010.
- 2010 Plenary Session Presentation: “The Soul and Its Inclinations: Recovering a Metaphysical Biology with the Systems Perspective,” Pontifical Academy of St. Thomas Aquinas, Vatican City, June 18-20, 2010.
- 2010 Roundtable TV Discussion: “Creating Synthetic Life: Your Questions Answered,” Science Channel, Premiered on June 3, 2010, at 9 P.M.
- 2010 Aquinas Colloquium: “The Soul and its Inclinations: A Systems Perspective,” Aquinas Institute, Blackfriars Hall, Oxford University, Oxford, England, March 6, 2010.
- 2010 Aquinas Seminar: “The Specification of Sex/Gender in the Human Species: A Thomistic Analysis,” Aquinas Institute, Blackfriars Hall, Oxford University, Oxford, England, March 3, 2010.
- 2010 Linacre Forum: “Virtue in Bioethics,” The Linacre Center for Healthcare Ethics, London, England, March 2, 2010.
- 2010 Lecture: “The Genetics of Programmed Cell Death in the Yeasts, *Saccharomyces cerevisiae* and *Candida albicans*,” Angeles University, Angeles City, Philippines, January 12, 2010.
- 2009 Pontifical John Paul II Institute for Studies on Marriage and Family Symposium: “The Nature of Experience: Issues in Culture, Science, and Theology,” The Catholic University of America, December 3-5, 2009.
- 2009 St. Benedict’s Institute Lecture: “Stem Cell Research – Moral Controversies and Moral Alternatives,” Virginia Commonwealth University, March 5, 2009.
- 2009 Social Trends Institute Experts Meeting: “Focus on the Embryo,” Barcelona, Spain, January 23-25, 2009.
- 2008 Biology Department Seminar Series: “To Die or Not To Die: Genetic Studies of Programmed Cell Death in the Yeast, *Saccharomyces*,” Rhode Island College, November 5, 2008.
- 2008 New Wine, New Wineskins Conference: “Natural Law Reasoning, Human Experience, and the Data of Science: The Test Case of Homosexuality,” University of Notre Dame, South Bend, IN, July 31-August 3, 2008.
- 2007 Westchester Institute Forum: “On Defining Totipotency,” Washington, DC, May 16-18, 2007.
- 2007 St. Catherine of Siena Lecture: “Stem Cell Research – Moral Controversies and Moral Alternatives,” Quinnipiac University, April 26, 2007.
- 2007 Workshop: “Urged on by Christ: Catholic Health Care in Tension with Contemporary Culture,” The Twenty-First Workshop for Bishops, The National Catholic Bioethics Center and the Knights of Columbus, Dallas, TX, February 5-7, 2007.
- 2006: St. Luke Lecture: “Stem Cell Research – Moral Controversies and Moral Alternatives,” Aquinas House, Dartmouth College, Hanover, NH, November 5, 2006.
- 2006: Diocesan Priestly Convocation: “Genetics 101: An Introduction and Guide for Pastoral Ministry,” Diocese of Grand Rapids, Grand Rapids, MI, September 25-28, 2006.

- 2006 Conference: "The Moral Status of the Human Embryo in a Liberal Society: A Scientific and Philosophical Argument," 9th Philippine Nurses Association of America Eastern Regional Conference, Baltimore, MD, September 22-24, 2006.
- 2006 Conference: "The Moral Status of the Human Embryo in a Liberal Society: A Scientific and Philosophical Argument," 23rd Annual Wilmer Nursing Conference, The Johns Hopkins University, Baltimore, MD, May 12, 2006.
- 2006 Congressional Briefing: "Alternative Sources for Pluripotent Stem Cells," United States Senate and House of Representatives, Washington, DC, April 5, 2006.
- 2006 Westchester Institute Forum: "On the Definition of 'Human Embryo' and the Criteria for Distinguishing the Human Embryo from Non-Embryonic Entities," Washington, DC, March 2-3, 2006.
- 2006 Lecture: "Stem Cell Research: A Dialogue," Dominican School of Philosophy and Theology, Berkeley, CA, February 7, 2006.
- 2005 Westchester Institute Forum: "The Morality of Condom Use to Prevent the Spread of HIV," Washington, DC, November 3-4, 2005.
- 2005 Westchester Institute Forum: "The Ethics of Altered Nuclear Transfer," Washington, DC, April 28-29, 2005.
- 2005 St. Catherine of Siena Lecture: "Stem Cell Research – A Biologist Considers the Ethical Implications," St. Thomas Aquinas Catholic Church, University of Virginia, Charlottesville, VA, April 26, 2005.
- 2005 Conference: "Global State of Stem Cells and Cloning in Science, Ethics, and Law," Rome, Italy, March 7-8, 2005.
- 2004 Westchester Institute Forum: "The Morality of Heterologous Embryo Transfer," Washington, DC, October 28-29, 2004.
- 2004 Colloquium: "The Stem Cell Debate in the United States and the Federal Republic of Germany," The Catholic University of America, Washington, DC, October 4-5, 2004.
- 2004 Symposium: "Stem Cells: Science, Ethics and Politics at the Crossroads," The Science Network/ Salk Institute for Biological Studies, San Diego, CA, October 2, 2004.
- 2004 Conference: "Is It Possible to Say When Human Life Begins?" Center for Ethics in Science and Technology, University of California, San Diego, San Diego, CA, July 14, 2004.
- 2002 Symposium: "Stem Cell Research," Providence College, Providence, RI, October 10, 2002.
- 2001 Departmental Seminar Series: Department of Biology, Providence College, Providence, RI, March 29, 2001.
- 1997 Conference: Biotechnology and Biological Sciences Research Council Workshop on the Science of Ageing, University of Warwick, June 25-26, 1997.

Scientific Platform Presentations

- 2017 12th International Meeting on Yeast Apoptosis, Bari, Italy, May 14-18, 2017.
- 2015 11th International Meeting on Yeast Apoptosis, Porto, Portugal, September 29-October 3, 2015.
- 2014 10th International Meeting on Yeast Apoptosis, Gothenburg, Sweden, May 14-18, 2014.
- 2011 8th International Meeting on Yeast Apoptosis, Canterbury, United Kingdom, May 2-6, 2011.
- 2008 6th International Meeting on Yeast Apoptosis, Leuven, Belgium, April 30-May 4, 2008.
- 2007 2nd Northeast Regional IDeA Meeting, Burlington, VT, August 15-17, 2007.
- 1996 Juan March Foundation Workshop on Chromosomal Compartments: Structure and Function of Telomeres and Centromeres, Madrid, Spain, September 1996.
- 1995 Seventeenth International Conference on Yeast Genetics and Molecular Biology, Lisbon, Portugal, June 10-16, 1995.
- 1995 Workshop on Oxidative Stress and Ageing, Centro de Citologia Experimental, University of Porto, Porto, Portugal, May 1995.
- 1991 Yeast Genetics and Molecular Biology Meeting, San Francisco, CA, May 23-27, 1994.

Scientific Poster Presentations

- 2016 ASCB Annual Meeting, San Francisco, CA, December 3-6, 2016. [with student co-presenters]
- 2016 AACR Annual Meeting, New Orleans, LA, April 16-20, 2016. [with student co-presenters]
- 2015 ASBMB Annual Meeting, Boston, MA, March 28-29, 2015. [with student co-presenters]
- 2013 FASEB Science Research Conference: From Unfolded Proteins in the ER to Disease, Saxtons River, VT, June 16-21, 2013.
- 2013 ASBMB Annual Meeting, Boston, MA, April 20-24, 2013. [with student co-presenters]
- 2012 ASCB Annual Meeting, San Francisco, CA, December 15-19, 2012. [with student co-presenters]
- 2012 9th International Meeting on Yeast Apoptosis, Rome, Italy, September 16-20, 2012. [with student co-presenter]
- 2012 Gordon Research Conference on Cell Death, Il Ciocco, Italy, July 15-20, 2012.
- 2011 ASBMB Annual Meeting, Washington, DC, April 9-13, 2011. [with student co-presenters]
- 2010 ASBMB Annual Meeting, Anaheim, CA, April 24-28, 2010. [with student co-presenters]
- 2009 Cold Spring Harbor Laboratory Yeast Cell Biology Meeting, Cold Spring Harbor, NY, August 12-15, 2009. [with student co-presenters]

- 2006 Cold Spring Harbor Laboratory Molecular Genetics of Aging Meeting, Cold Spring Harbor, NY, October 4-8, 2006. [with student co-presenters]
- 2006 First Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE), Washington, DC, July 20-22, 2006. [with student co-presenters]
- 2006 Eastern Colleges Science/Sigma Xi Research Conference, Philadelphia, PA, April 21, 2006. [with student co-presenters]
- 1995 Gordon Conference on the Biology of Aging, Il Ciocco, Italy, May 7-12, 1995.
- 1994 Yeast Genetics and Molecular Biology Meeting, Seattle, WA, August 16-21, 1994.
- 1993 Yeast Genetics and Molecular Biology Meeting, Madison, WI, June 8-13, 1993.
- 1992 Gordon Conference on the Biology of Aging, New Hampton, NH, August 17-21, 1992.

Presbyteral Presentations to Bishops and Priests in Catholic Bioethics

- 2014 Metropolitan Province of Atlanta (Dioceses of Atlanta, Savannah, Charleston, Raleigh, and Charlotte), August 18-20, 2014.
- 2014 Diocese of Ogdensburg, NY, May 19-22, 2014.
- 2012 Archdiocese of Atlanta, GA, May 22, 2012.
- 2012 Diocese of Providence, RI, May 14, 2012.
- 2010 Archdiocese of Atlanta, GA, October 21, 2010.
- 2006 Diocese of Grand Rapids, MI, September 27-28, 2006.

PATENTS

- U.S. Patent No. 5,874,210, Issued February 23, 1999: “Gene Determining Cellular Senescence In Yeast”
- U.S. Patents No. 5,919,618, Issued July 6, 1999; No. 6,218,512, Issued April 17, 2001: “Genes Determining Cellular Senescence In Yeast”
- U.S. Patent No. 6,787,300, Issued September 7, 2004: “Identifying Lifespan-Altering Agents”

PUBLISHED DNA SEQUENCES IN THE NCBI GENBANK OF THE NATIONAL INSTITUTES OF HEALTH (NIH)

GenBank Accession Number: NC024147 GI: 640885160
 Cornely et al., “Mycobacterium phage Zoe], complete genome,” Published on May 27, 2014.
 Phage isolation, DNA preparation, and annotation analysis performed at Providence College as part of the phage hunters laboratory, BIO103L-10.

GenBank Accession Number: KC661280.1 GI: 507805177
O'Brien et al., "Mycobacterium phage Job42, complete genome," Published on June 3, 2013.
Phage isolation, DNA preparation, and annotation analysis performed at Providence College as part of the phage hunters laboratory, BIO103L-10.

GenBank Accession Number: JQ085994.1 GI:380467953
Laprade et al., "Zingiber officinale cytosolic glyceraldehyde-3-phosphate dehydrogenase (GAPC) gene, partial cds," Published on March 20, 2012. DNA Isolation, sequencing, and annotation analysis performed at Providence College as part of the modern genetics laboratory, BIO308L.

GenBank Accession Number: JQ340204.1 GI: 384403273
Samoriski et al., "Phalaenopsis hybrid cultivar cytosolic glyceraldehyde-3-phosphate dehydrogenase (GAPC) gene, partial cds," Published on April 22, 2012. DNA Isolation, sequencing, and annotation analysis performed at Providence College as part of the modern genetics laboratory, BIO308L.

GenBank Accession Number: JQ340205 GI: 384403275
Still et al., "Gerbera hybrid cultivar cytosolic glyceraldehyde-3-phosphate dehydrogenase (GAPC) gene, partial cds," Published on April 22, 2012. DNA Isolation, sequencing, and annotation analysis performed at Providence College as part of the modern genetics laboratory, BIO308L.

PERSONAL INFORMATION

Date of Birth:	November 1, 1968.
Place of Birth:	Manila, Philippines.
Immigration Status:	Dual Citizenship – United States of America and Philippines.
Profession of Religious Vows:	August 15, 1998.
Ordination to the Holy Priesthood:	May 21, 2004.

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