A symposium sponsored by the John Templeton Foundation

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Is God Incarnate In All That Is?

25, 26, and 27 August 2011 Hotel Marienlyst, Helsingør, Denmark

<mark>ne A</mark> pproach Chair Par	rticipant
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Contact: Mary Ann Meyers, Ph.D., Senior Fellow

Purpose

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The purpose of this symposium is to explore how the idea of incarnation coordinates very particular notions of divine self-revelation in the life story of Jesus with universal notions of the transformative presence of God's Logos (Word) in the universe at large. It is a theme that presupposes the ability of Christology to respond to the challenges of evolutionary thinking. Participants will consider the "divine reach into the very tissue of biological existence," to quote the theologian Elizabeth Johnson, and to the furthest limits, the height and depth, of the material cosmos.

Specific questions to be addressed include:

- What are the connections between a Logos Christology and the informational aspects of the universe, which are exemplified in its deep mathematical structures?
- In the informational structures emerging in biological evolution?
- In very mundane experiences of communicative love and ethical sensitivity present in human relationships?
- And to what extent does it make sense to argue that the event of incarnation
 entails a notion of God's "deep incarnation" to the effect that God's Logos
 "became flesh" (John 1:14), that is, conjoined the world of biological suffering
 and joyous existence so that God's Logos is coterminous with the world of
 living creatures, from amoebas to humans?
- Can 'high' and 'low' meet when speaking about God's incarnation and about modes of divine embodiment in the world at large?

Researchers from several disciplines gather to seek answers in Helsingør (Elsinore), the ancient Danish city on the shore of Øresund known well to all who have read *Hamlet*.

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"I acclaim you as the divine milieu, charged with creative power, as the ocean stirred by the Spirit, as the clay moulded and infused with life by the incarnate Word."

Teilhard de Chardin, "Hymn to Matter" The Hymn to the Universe (1961, English translation 1965)

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"And the Word was made flesh and dwelt among us, full of grace and truth."

John 1:14

The symposium is part of the Templeton Foundation's *Humble Approach Initiative*. The goal of the initiative is to bring about the discovery of new spiritual information by furthering high-quality scientific research. The "humble approach" is inherently interdisciplinary, sensitive to nuance, and biased in favor of building linkages and connections. It assumes an openness to new ideas and a willingness to experiment. Placing high value upon patience and perseverance, it retains a sense of wondering expectation because it recognizes, in Loren Eisley's haunting phrase, "a constant emergent novelty in nature that does not lie totally behind us, or we would not be where we are." A fundamental principle of the Foundation, in the words of its founder, is that "humility is a gateway to greater understanding and open[s] the doors to progress" in all endeavors. Sir John Templeton believed that in their quest to comprehend foundational realities, scientists, philosophers, and theologians have much to learn about and from one another. The humble approach is intended as a corrective to parochialism. It encourages discovery and seeks to accelerate its pace.

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"When I see your heavens, the work of your fingers, the moon and the stars you set in place— What are humans that you are mindful of them, mere mortals that you care for them?"

Psalms 8:4-5

A professor of systematic theology at the University of Copenhagen where he serves as codirector of the Center for Naturalism and Christian Semantics, Niels Henrik Gregersen is also an ordained minister of the Evangelical-Lutheran Church of Denmark and serves as assistant pastor of Trinity Church (the 'Round Tower') in Copenhagen. He is widely known for his research and writing on the intersection of science and religion. Dr. Gregersen graduated from the Haderslev Cathedral School and the University of Copenhagen, where he earned his Ph.D. in theology in 1987. He had begun his academic career as an assistant professor in ethics and philosophy of religion at the University of Aarhus in 1986, became an associate professor of systematic theology in 1989, and was named research professor in science and theology in 2000 before accepting his present position at the University of Copenhagen in 2004. Formerly president of the Learned Society of Denmark and vice president of the European Society for the Study of Science and Theology, Dr. Gregersen also served as chair of the Ecumenical Institute in Strasbourg from 2003 to 2010. He is a member of the board of advisors of the John Templeton Foundation, a board member of the Arepagos Foundation, and, from 1992 to 2003, he was the leader of the Danish Forum for Science and Theology. He has been a fellow of the Center of Theological Inquiry in Princeton and a J.K. John Russell Fellow at the Center for Theology and the Natural Sciences in Berkeley. Dr. Gregersen is the recipient of a Templeton Foundation award for research and writing on the constructive engagement of science and religion. He has received research support from the Danish Research Foundation for the Humanities, the Research Foundation of the University of Aarhus, and the University of Copenhagen Star Research Program. Formerly the general editor of Studies in Science and Theology, he is editor-in-chief of the Danish Journal of Theology and associate editor of the Encyclopedia of Science and Religion, as well as a member of the editorial advisory board of Zygon: Journal of Religion and Science and a member of the editorial boards of Dialog: A Journal of Theology and of Theology and Science. A former member of the editorial board of the Danish publisher ANIS, he inaugurated the new Issues in Science and Theology Series, which is published by Continuum/T&T Clark International. Dr. Gregersen has contributed more than 150 major articles in Nordic, German, and English to scholarly journals, a number of which have won prizes, and he has edited or co-edited ten volumes of collected works, including From Complexity to Life: The Emergence of Life and Meaning (2003), (with Bo Holm, Ted Peters, and Peter Wideman) The Gift of Grace: The Future of Lutheran Theology (2005), Wolfhart Pannenberg: The Historicity of Nature, Essays on Science and Theology (2008), and, most recently, (with Paul Davies) Information and the Nature of Reality: From Physics to Metaphysics, which was published in 2010 by Cambridge University Press, and (with Troels Engberg-Pedersen) Essays in Naturalism & Christian Semantics, which was published by Copenhagen University last year. He is the co-author of two books and the author of four others, including The Presence of God in Evolution (2006), which has been translated into Romanian. Dr. Gregersen's forthcoming book, Moveable Orthodoxy: Essays in Historical Theology, will be published in Danish later this year by ANIS.

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Richard Bauckham is a scholar whose teaching, research, and writing ranges widely across theology and biblical studies. Professor of New Testament studies and Bishop Wardlaw Professor at the University of St. Andrews for fifteen years, he is now professor emeritus there and also serves as the senior scholar at Ridley Hall, Cambridge, and a visiting professor at St. Melitus College in London. Dr. Bauckham was educated at Enfield Grammar School and Clare College, Cambridge, where he read history and took a first-class honors degree. He received his Ph.D. in history from Cambridge University in 1973, and then was a fellow of St. John's College, Cambridge, for three years. After teaching theology at the University of Leeds, he joined the faculty of the University of Manchester in 1977, where he was first a lecturer and then a reader in contemporary and historical theology. He moved on to St. Andrews in 1992. Dr. Bauckham is a Fellow of the British Academy and a Fellow of the Royal Society of Edinburgh. He was a member of the Doctrine Commission of the Church of England for some years, and he formerly served as general editor of the Society for New Testament Studies Monograph Series. The author of more than 250 essays published in academic journals or as chapters in volumes of collected works, he is the editor of seven books, including most recently (with Daniel Driver, Trevor Hart, and Nathan MacDonald) The Epistle to the Hebrews and Christian Theology (2009), the co-author of four books, and the author of twenty other books. Amongst these, he is perhaps best known for his commentaries on 2 Peter, Jude (1983) and his two studies of the Book of Revelation, The Theology of the Book of Revelation (1993) and The Climax of Prophesy: Studies on the Book of Revelation (1993), along with Jesus and the Eyewitnesses: The Gospel as Eyewitness Testimony (2006), his revival of an ancient paradigm for viewing the canonical Gospels, which engages with modern psychological research on eyewitness memory and won both a Christianity Today Book Award and the Michael Ramsey Prize for Theological Writing. He also wrote a critical and comprehensive introduction to the Theology of Jürgen Moltmann and the probing historical and theological analysis, God Crucified: Monotheism and Christianity in the New Testament. Dr. Bauckham's Bible and Ecology: Rediscovering the Community of Creation, was published in 2010 by Darton, Longman, & Todd. His most recent book, Jesus: A Very Short Introduction, was published by Oxford University Press in July. He also writes poetry and is the author of two books for children.

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Dean and professor of patristics at St. Vladimir's Orthodox Theological Seminary in Crestwood, New York, John Behr writes about early church history, especially the development of theological reflection, asceticism, and Christian anthropology. He comes to America from England where he took his undergraduate degree at Thames Polytechnic, London. Going on to Oxford University to study with then Bishop Kallistos (Ware) of Diokleia after a year studying in Greece, he earned an M.Phil. in Eastern Christian studies and a D.Phil. in theology in 1995. Dr. Behr then joined the St. Vladimir's faculty as a lecturer in patristics and was named a professor in 2000. He was ordained an Orthodox priest the next year. Currently a distinguished lecturer in patristics at Fordham University, he formerly served as president of the Orthodox Theological Society in America. He was editor of St. Vladimir's Theological Quarterly and continues as associate editor of the Popular Patristics series published by St. Vladimir Seminary Press and a member of the editorial board of Pro Ecclesia. In addition to publishing articles in scholarly journals, he is the editor (with Andrew Louth and Dimitri Conomos) of Abba: The Tradition of Orthodoxy in the West (2003) and the author of six other books, including St. Irenaeus of Lyons: On the Apostolic Preaching (1997), Asceticism and Anthropology in Irenaeus and Clement (2000), a two volume study of the formation of Christian theology, The Way of Nicaea (2001) and The Nicene Faith (2004), and The Mystery of Christ: Life in Death (2006), which challenges the modern historical approach to theology by reading the Old Testament as a thesaurus of imagery to be understood from the starting point of the risen Christ. His newest book, The Case Against Diodore and Theodore: Texts and their Contexts, a landmark edition, translation, and commentary on the remaining fragments of the writings of Diodore of Tarsus and Theodore of Mopsuestia, was published by Oxford University Press earlier this year. It completely revises the extent picture in modern scholarship of these two key figures at the center of the Christological controversy that raged from the fourth to the sixth century by showing how they, in opposition to Julian the Apostate and Apollinarius, were led to separate the New Testament from the Old Testament and Jesus 'the man' from the Word of God, resulting in a very limited understanding of the incarnation, wholly outside the tradition of the church.

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Celia Deane-Drummond is a professor of theology at the University of Notre Dame. Formerly professor of theology and biological sciences at University of Chester, her distinguished contributions to the new discipline of "ecotheology" reflect her early interest in botany and her later concentration on Christian theological studies. She also has written searchingly about the theological and ethical implications of new developments in genetics. Dr. Deane-Drummond did her first baccalaureate degree at Girton College, Cambridge, and took honors in natural sciences. She went on to earn a Ph.D. in plant physiology at Reading University in 1980 and to do post-doctoral research in botany, first at the University of British Columbia and then at Cambridge. Upon changing fields, she received a post-graduate diploma in Christian studies from Canada's Regent College in 1983, a baccalaureate degree with honors in theology from Trinity College, Bristol, in 1989, and a Ph.D. in theological studies from the University of Manchester in 1992. Dr. Deane-Drummond began her teaching career as a lecturer in botany at Durham University. She became involved with theological education through her curricular design work with the International Consultancy for Religion, Education and Culture from 1991 to 1994 at the same time she was also a visiting lecturer in theological studies at University of Manchester. She then joined the theology and religious studies faculty at Chester where she was promoted to professor in 2000 and named the founding director of the Centre for Religion and the Biosciences, which was formally launched in 2002. She accepted her current position earlier this year. The winner of several prizes for curricular development, including a John Templeton Foundation Science and Religion Course Program grant, Dr. Deane-Drummond has received additional research support from the St. Gabriel Trust and the Christendom Trust. She was formerly chair of the Science and Religion Forum of Great Britain and is currently chair of the European Forum for the Study of Religion and the Environment, a fellow of the Royal Society of Arts and Commerce, an honorary fellow of the Gladstone Library, and a member of the board of advisors of the Templeton Foundation. She serves as editor-in-chief of Re-Visioning Ethics, a new series to be published by SCM Books, and on the editorial boards of the Peter Lang book series New International Studies in Applied Ethics and of Theology and Science, as well as serving as the editor of the Journal of Religion, Nature and the Environment and as a consulting editor of the Journal for the Study of Religion, Nature and Culture. As a consultant to the Roman Catholic Bishops' Conference of England and Wales, she helped to shape Church policy on environmental issues. The author of more than eighty papers published in scientific and scholarly journals and in volumes of collected works, she is the editor of seven books: (with Bronislaw Szerszynski) Reordering Nature: Theology, Society and the New Genetics (2003), Brave New World: Theology, Ethics and the Human Genome (2003), (with Peter Scott) Future Perfect? God, Medicine and Human Identity (2006), Teilhard de Chardin on People and Planet (2006), (with David Clough) Creaturely Theology: God, Humans and Other Animals (2009), and two volumes published this year-(with Heinrich Bedford-Strohm) Religion and Ecology in the Public Sphere with Continuum/T&T Clark

International and Rising to Life (2011) with CAFOD. Dr. Deane-Drummond is also the author or co-author of fifteen other books, including Creation Through Wisdom: Theology and the New Biology (2000), Biology and Theology Today: Exploring the Boundaries (2001), The Ethics of Nature (2004), Genetics and Christian Ethics (2006), Wonder and Wisdom: Conversations in Science, Spirituality and Theology (2006), Evotheology (2008), and, most recently, two volumes published in 2009. In Christ and Evolution: Wonder and Wisdom (Fortress Press and SCM Press), she uses the idea of theodrama as an integrating framework in considering the implications of neo-Darwinian theories of evolution for articulating a kenotic Christology in which she re-thinks the significance of the atonement for the natural, non-human world. Seeds of Hope: Facing the Challenge of Climate Justice (CAFOD), a book for general audiences, shows how macro trends, such as draught, floods, and increasingly unpredictable weather, affect the poor even as it offers an integrated theological analysis of contemporary environmental challenges. A work in progress is focused on theological anthropology in the light of science and is entitled Humananimal: The Wisdom of the Liminal.

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Distinguished Professor of Theology at Fordham University, Elizabeth A. Johnson, C.S.J., is a leading Catholic systematic theologian and pioneering feminist scholar. Her life and work have been characterized by responsible dissent as an act of conscience--- undertaken out of concern for the truth and in the interest of the church as an evolving community of faith. Her seven books, which have been translated into twelve languages, probe the mystery of God and God's action in the world. They reflect not only a keen awareness of the significance of gender and sexism within the context of an inclusive justice but also the importance the author attaches to the spiritual/ethical question of our right relation to Earth where, she believes, everything is connected to everything else and all are kin. Dr. Johnson began her undergraduate studies in theology at Brentwood College on Long Island as a novice of the Congregation of St. Joseph of Brentwood just prior to the announcement of the ecumenical council of the Roman Catholic Church known as Vatican II. Influenced and challenged by conciliar documents addressing the relations between the church and the modern world, she was moved, in particular, by the exhortation to solidarity in the apostolic constitution Gaudium et Spes. After stints of teaching in elementary and secondary school, serving as an adjunct instructor in religious studies at St. Joseph's College in Brooklyn, and earning a master's degree in theology at Manhattan College, she went on to take a Ph.D. in theology at The Catholic University of America (CUA) in 1981. She joined the CUA faculty as an assistant professor of theology, was promoted to associate professor, and accepted appointment as a professor of theology at Fordham in 1991. Named to her present position six years later, she was honored by Fordham with the university's Teaching Award in 1998 and its Bene Merenti Medal earlier this year. Dr. Johnson has been president of both the Catholic Theological Society of America (CTSA) and the American Theological Society. She has served as a theologian on the national Catholic-Lutheran Dialogue, a consultant to the Catholic Bishops' Committee on Women in the Church and Society, and a theological advisor to two Vatican sponsored commissions-the dialogue between science and religion and the study of Christ and world religions. The recipient of fourteen honorary degrees, she also has been recognized for her scholarship and service to the church by the U.S. Catholic Award, the Sacred Universe Award given by SpiritEarth, CTSA's John Courtney Murray Award, the Jerome Award of the Catholic Library Association, the Monica Hellwig Award of the Association of Catholic Colleges and Universities, and the Sophia Award of the Washington Theological Union among other honors. A member of the editorial boards of Theological Studies, Horizons: Journal of the College Theology Society, and Theoforum, she has published more than ninety papers in academic journals and is the editor of The Church Women Want: Catholic Women in Dialog (2002). Her seven books include: Consider Jesus: Waves of Renewal in Christology (1990); the pathbreaking She Who Is: The Mystery of God in Feminist Theological Discourse (1992), selected by Choice as an Outstanding Academic Book of the year and winner of the Grawenmeyer Award in Religion, Crossroad Publishers Women's

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Torstein Theodor Tollefsen Studies Award, and a Catholic Press Association (CPA) Book Award; Women, Earth, and Creator Spirit (1991); Friends of God and Prophets: A Feminist Reading of the Communion of Saints (1998), which won a first place award from the CPA in the category of gender studies and the Excellence in the Study of Religion Award of the American Academy of Religion; Truly Our Sister: A Theology of Mary in the Communion of Saints (2003), winner of an Outstanding Book Award from the College Theology Society and another CPA Book Award; Dangerous Memories: A Mosaic of Mary in Scripture (2004); and, most recently, the CPA Book Award winner Quest for the Living God: Mapping Frontiers in the Theology of God, a popular study offering new insights about God arising from people living out their faith in different cultures, which was published by Continuum International in 2007 and released last month in paperback.

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Stuart A. Kauffman, a pioneer in the field of complexity theory, is a biologist, trained as a medical doctor, who studies the origins of life and the origins of molecular organization. While still a graduate student, he began testing his ideas by simulating the interaction of various abstract agents-representative of chemical and biological substances-on computers. He concluded that upon reaching a certain level of diversity, a system of simple chemicals undergoes a dramatic transformation, similar to a phase change in physics, whereby molecules spontaneously combine to create larger, more complex molecules with catalytic capability leading to the formation of collectively autocatalytic sets of molecules. If so, life may be an expected property of complex chemical systems. His theory led him to the further hypothesis that complex arrays of interacting genes, which turn one another on and off, do not behave randomly but tend to converge toward a relatively small number of recurring patterns that exhibit stunning degrees of order. In The Origins of Order: Self Organization and Selection in Evolution (1993), Dr. Kauffman proposed that the principle of selforganization may have played a larger role than natural selection in shaping the development of life on Earth. On a practical level, his ideas about what is sometimes called "molecular diversity" helped spawn a field known as combinatorial chemistry. The new field continues to revolutionize drug development by making it possible to create and sift through vast quantities of potential drug ingredients with lightening speed. Holder of a dozen broad biotechnology patents, Dr. Kauffman was the founding general partner (with Ernst & Young) of Bios Group LP, a company that sought to apply biological theories to business and was acquired by NuTech Solution in 2003. He is currently affiliated with several educational and research institutions, including: the University of Calgary, where he served for five years as founding director of the Institute of Biocomplexity and Informatics and is now iCore Visiting Professor; Tampere University of Technology, where he is Finland Distinguished Professor; and the University of Vermont, where he is Macmillian Scholar-in-Residence at the Complex Systems Center and holds joint appointments as a visiting distinguished research professor in the College of Medicine and the College of Mathematical and Engineering Sciences. He also is an adjunct professor of pathology at M.D. Anderson Cancer Center, an internal visiting professor at George Mason University's Krasnow Institute, and an affiliate in neurobiology at Montana State University. A Phi Beta Kappa graduate of Dartmouth College, Dr. Kauffman studied philosophy at Oxford University on a Marshall Scholarship and took his M.D. in 1968 from the University of California/San Francisco Medical School. He began his career as an assistant professor of biophysics and theoretical biology at the University of Chicago then taught for twenty years at the University of Pennsylvania School of Medicine, where he is now emeritus professor of biochemistry and biophysics, before moving on to the Santa Fe Institute. He was a professor there for more than a decade and served on the Institute's board of trustees and its scientific advisory board. From 2003 to 2005, he was a research professor in cell biology and physiology at the University of New Mexico. In the 2009, he was a visiting professor

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Torstein Theodor Tollefsen in the Harvard Divinity School. Dr. Kauffman has served as president of the Society for Mathematical Biology and presently serves as a member of the science advisory boards of Icosystems, Gene Network Science, Applied Molecular Evolution, KatFat Inc., McMaster University's Origins Institute, and the Natural Research Council of Canada's Steacie Institute for Molecular Sciences. The recipient of many awards, he held a John D. and Catherine T. MacArthur Fellowship, the so-called "genius prize," from 1987 to 1992 and won the American Cybernetic Society's Weiner Gold Medal in 1971 and the Gold Medal of the Italian Accademia Nazionale dei Lincei in 1997. He is a fellow of the Royal Society of Canada and was awarded an honorary degree in 2009 by the Catholic University of Louvain. The former co-editor-in-chief of the Journal of Theoretical Biology, he has served on the editorial boards of many other journals. Dr. Kauffman has published more than 180 scientific papers and is the coeditor of one book and the author of four others. Following his groundbreaking Origins of Order, his widely acclaimed At Home in the Universe: The Search for Laws of Self-Organization and Complexity (1996) spelled out the implications of his theories on biological evolution as he showed how order emerges naturally-and possibly even necessarily-out of chaos. Investigations (2002) defines and explains autonomous agents and work in the contexts of thermodynamics and of information theory leading the author to explore the requirements for the emergence of a new biology that will transcend terrestrial biology in search of laws governing biospheres anywhere in the cosmos. His most recent volume, the provocative Revisiting the Sacred: A New View of Science, Reason, and Religion, which was published by Basic Books in 2008, refutes the kind of physicalism that rules out ontological emergence and, in redefining God as the natural creativity in the universe itself, proposes a novel metaphysics. His latest essay, which will be published in The Once and Future Turing – Computing the World (edited by S. Barry Cooper and Andrew Hodges), an Alan Turing Centennial volume forthcoming from Cambridge University Press, seeks new applications of open quantum systems that can hover between the quantum and classical worlds, with practical applications for non-algorithmic partially quantum, partially classical non-random information processing. Work in progress attempts to show that no law entails the becoming of the biosphere or human life.

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Mark Allen McIntosh is Van Mildert Canon Professor of Divinity at Durham University and canon residentiary of Durham Cathedral. His research and writing have focused on systematic and historical theology and on the history and theology of Christian spirituality. He is an ordained priest of the Episcopal Diocese of Chicago and licensed as a priest in the Church of England. A magna cum laude graduate of Yale University, he went on to earn a first-class honors degree in theology at Oxford University, where he trained for ordination at St. Stephen's House. He returned to the United States to take a master's degree in divinity at the General Theological Seminary of the Episcopal Church and a Ph.D. in theology at the University of Chicago Divinity School in 1993. Joining the faculty of Loyola University in Chicago as an assistant professor, he was appointed a full professor in 2006 and named to his present chair in Durham in 2009. Dr. McIntosh served for three years as an assistant to the dean of the Cathedral of St. James in Chicago, for five years as chaplain to the House of Bishops of the Episcopal Church, and as canon theologian to Presiding Bishop Frank Griswold from 2003 to 2006. He is the former book review editor of the Anglican Theological Review and currently serves as a member of the editorial advisory council of Pro Ecclesia, the board of editorial correspondents of The Way, and the board of contributors of Reviews in Religion and Theology. In addition to essays published in academic journals and in volumes of collected works, he is the author of five books, including Christology from Within Spirituality and the Incarnation in Hans Urs von Balthasar (1996), Mystical Theology: The Integrity of Spirituality and Theology (1998), Mysteries of Faith (2000), Discernment and Truth: The Spirituality and Theology of Knowledge (2004), and, most recently, an ecumenical textbook that draws on his reading in both Eastern and Western spiritual traditions, Divine Teaching: An Introduction to Christian Theology, which was published by Blackwell in 2008. He is currently completing two articles on the thought of John Henry Cardinal Newman in dialogue with earlier British Christian Platonists and, for Oxford University Press, an exploration of the divine ideas tradition in Christian theology and mystical thought.

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A twenty-year old prisoner of war interned in England when he began his study of theology and philosophy, Jürgen Moltmann has become one of the most respected theologians of our time. For the past forty years, he has been engaged in a profound exploration of the meaning of divine suffering and the unique role of the cross in disclosing the nature of God. His work draws not only on the great theological tradition of Luther and Barth, but also on his experience as a pastor in post-war Germany. After completing his doctorate in theology at Göttingen University in 1952, he served the Protestant Church in Bremen for five years. In 1958, he became a professor of theology in a Protestant seminary in the Rhineland city of Wuppertal, and in 1963 he accepted the chairmanship of the department of systematic theology and social ethics at the University of Bonn. Named professor of systematic theology on the Protestant Faculty of the University of Tübingen in 1967, Dr. Moltmann became professor emeritus in 1994. As a visiting professor, he has taught all over the world. He is the recipient of prizes in literature, philosophy, and theology and holds honorary degrees from Raday College in Budapest, the University of St. Andrews and the University of Nottingham in Great Britain, the Catholic University of Louvain in Belgium, the University of Iași and "1 Decembrie 1918" University of Alba Iulia in Romania, Managua University in Nicaragua, Chung Yuan University in Taiwan, and the Methodist University in Sao Paulo, Brazil, as well as Emory University, Duke University, Bethlehem Theological Seminary, and Kalamazoo College in the United States. For many years, he served as editor of Evangelische Theologie and as a member of the board of directors of Concilium. In addition to his monumental study, The Crucified God (1972, ET 1974), a modern theologia crucis that directly engages mid-twentieth century atheism and presents God's loving solidarity with his creation in its suffering, Dr. Moltmann's influential early trilogy includes his Theology of Hope (1964, ET 1967), which set forth his abiding belief that God's promise to act in the future is even more important than the fact that He has acted in the past, and The Church in the Power of the Spirit (1975, ET 1977), in which he offers an ecclesiological and pneumatological perspective on lives lived between the past history of Jesus and the universal future when history will reach its fulfillment. A series of systematic contributions to theology began with The Trinity and the Kingdom of God, (1980, ET 1981), his fully social doctrine of the Trinity deeply involved in and affected by the world, and is followed by other notable works on creation, Christology, pneumatology, eschatology, and the foundations and methods of theology. Among his most recent books are Science and Wisdom (2003), a theological assessment of contemporary cosmology, In the End - The Beginning: The Life of Hope (2004), a consideration of the significance of the personal experiences of life for a contemporary understanding of the Christian doctrine of hope, his autobiographical A Broad Place (2008), and Sun of Righteousness, Arise! God's Future for Humanity and the Earth, a volume of lectures, meditations, sermons, and essays, published by Fortress Press last year, in which he sees the Trinitarian God reaching out to creation and drawing creation into the future.

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Gerald O'Collins, S.J., a prolific author widely respected for his work in Christology, is a research professor and writer-in-residence at the Jesuit Theological College (JTC) in Melbourne. For more than three decades, he was professor of systematic and fundamental theology at the Pontifical Gregorian University (Rome). Born in Australia, he studied at the University of Melbourne, where he took both a first-class honors baccalaureate degree and a master's degree. He was ordained a Roman Catholic priest in 1963 and went on to earn a licentiate in sacred theology at Heythrop College, London, in 1967. The next year he received a Ph.D. in theology from Cambridge University, where he held a research fellowship at Pembroke College. He taught at the Weston School of Theology (Boston Theological Institute) in Cambridge, Massachusetts, and the JTC in Melbourne for five years before accepting a professorship at the Gregorian in 1973. He served as dean of the theological faculty for six years. In 2006, he was named research professor at St. Mary's University College, Twickenham. He returned to Australia in 2009. Dr. O'Collins has initiated and co-chaired international, ecumenical symposia on the resurrection (1996), the Trinity (1998), the incarnation (2000), the redemption (2003), and the legacy of Pope John Paul II (2008), and co-edited their proceedings. He has been an honorary visitor and a visiting scholar at Pembroke College, and he currently serves as an honorary adjunct professor at the Australian Catholic University. He has delivered the Fisher Lecture and the Margaret Beaufort Lecture at Cambridge and the Cardinal Hume Lectures at Heythrop College. Amongst other honors, he is the recipient of the Malipiero Prize, the Stefano Borgia European Prize, and the Johannes Quasten Medal given by Catholic University of America. In 2006, he was made a Companion of the Order of Australia. Dr. O'Collins has been awarded honorary degrees by the University of San Francisco, the University of Surrey, Sacred Heart University in Bridgeport, Connecticut, John Carroll University in Cleveland, Ohio, and Melbourne College of Divinity. In addition to hundreds of papers published in academic journals, he is the author or editor of fifty-nine books. The theology of the resurrection and the incarnation are threaded throughout all his work. His Christology: A Biblical, Historical, and Systematic Study of Jesus Christ (1995) was acclaimed for its interpretations of contemporary and controversial issues; his Following the Way (2000), the Archbishop of Canterbury's Lent book, was among the first of that series to have been written by a non-Anglican. Dr. O'Collins's most recent publications include: Living Vatican II: The 21st Council for the 21st Century (2006), named best theology book of the year by the Catholic Press Association of the United States and Canada; The Lord's Prayer (2006); Christ Our Redeemer: A Christian Approach to Salvation (2007); Salvation for All: God's Other Peoples (2008), a comprehensive account of biblical testimony relevant to Jesus' role in redeeming the whole human race; and Jesus: A Portrait (2008), a volume widely hailed for its aesthetic sensitivity that reflects not only the author's vast knowledge of scripture but also a lifetime of seeking an answer to the question put to the disciples at Caesarea Philippi --- "Who do you say that I am?" His two newest books, both published by Oxford University Press, are (with Michael Keenan Jones) Jesus Our Priest: A Christian Approach to the Priesthood of Christ (2010), a study which presents the issue of priesthood as a key issues to the global church, and Rethinking

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Torstein Theodor Tollefsen *Fundamental Theology* (2011), an examination of revelation, faith, and other basic theological realities. An edited volume (with Mary Ann Meyers), *Light from Light: Scientists and Theologians in Dialogue*, will be published by Wm. B. Eerdmans in 2011.

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One of the world's leading environmental ethicists, Holmes Rolston III has devoted his career to interpreting the natural world from a philosophical perspective. His work is unusually accessible to a wide audience, and he has been a pioneer in the application of ethical theory to actual environmental problems through consultancies with conservation and policy groups, including the United States Forest Service, the National Park Service, a Presidential commission and the United States Congress. A graduate of Davidson College, where he majored in physics and mathematics and was elected to Phi Beta Kappa, he earned a B.D. from Union Theological Seminary in Richmond, Virginia, and a Ph.D. in theology from the University of Edinburgh in 1958 before spending nearly a decade as a Presbyterian pastor in rural southwest Virginia. He learned the natural history of his surroundings in splendid detail and became an activist on local environmental issues. In his search for a philosophy of nature to complement his love for and curiosity about nature, he entered the philosophy program at the University of Pittsburgh and received a master's degree in the philosophy of science in 1968. He then embarked on a teaching career at Colorado State University where he was named a full professor in 1976 and University Distinguished Professor of Philosophy in 1992. Dr. Rolston delivered the Gifford Lectures at the University of Edinburgh in 1997-98, and in the course of nearly four decades, invitations to lecture or teach have taken him to all seven continents. His work has been recognized by the 2003 Templeton Prize and the Mendel Medal, which he was awarded in 2005 by Villanova University. He is a founder and the associate editor of the influential academic journal Environmental Ethics and a member of various editorial boards, including Zygon: Journal of Religion and Science. The author of more than 130 papers published in academic journals or as chapters in volumes of collected essays, he is the editor (with Andrew Light) of Environmental Ethics: An Anthology (2003). His eight books include Science and Religion-A Critical Survey (1987 and 2006), the groundbreaking Environmental Ethics: Values in and Duties to the Natural World (1988), a systematic presentation of his developed views that provides a philosophical defense of policies aimed at preserving wild species and wilderness, Conserving Natural Value (1994), and Genes, Genesis and God: Values and their Origins in Natural and Human History (1999), a volume based on the author's Gifford Lectures showing the relevance of modern biology to social, ethical, and religious thought. His most recent book, Three Big Bangs: Matter-Energy, Life, and Mind, which was published last year by Columbia University Press, is a meditation on three major singularities that led to the existence of human beings in a universe of evolving complexity. Dr. Rolston's lifelong advocacy for protection of the Earth's biodiversity and his efforts to reconcile evolutionary biology and Christianity are celebrated in a biography by Christopher Preston, Saving Creation (2009).

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Robert J. Russell is the founder and director of The Center for Theology and the Natural Sciences (CTNS) in Berkeley, California and the Ian G. Barbour Professor of Theology and Science in Residence at The Graduate Theological Union in Berkeley. He is an ordained minister in the United Church of Christ and has been a leader in the enterprise of promoting dialogue between scientists and theologians for the past three decades. A graduate of Stanford University, he holds a master's degree in physics from the University of California, Los Angeles, a bachelor of divinity degree, magna cum laude, and a master of theology degree, both from the Pacific School of Religion, Berkeley. He received a Ph.D. in physics from the University of California, Santa Cruz, in 1978. Dr. Russell began his teaching career as an assistant professor of physics at Carleton College where he was also a pastoral associate practicing campus ministry through the Carleton Chapel. He returned to California in 1981 to found CTNS and was named an adjunct visiting professor at The Jesuit School of Theology, Berkeley, that same year. Appointed an assistant professor in residence at The Graduate Theological Union in 1982, he was promoted to associate professor in 1986 and full professor in 1991. Dr. Russell has delivered numerous invited lectures in the United States and abroad and organized some twenty-five national and international symposia on the subject of science and religion. The founding co-editor of Theology and Science and the founding editor of CTNS Bulletin, he previously served as general editor of Scientific Perspectives on Divine Action, a series published jointly by CTNS and the Vatican Observatory, and as book review editor of Zygon: Journal of Science and Religion. He currently serves on Zygon's editorial advisory board, as well as on board of editorial advisors of the Fortress Press series, Theology and the Sciences. A former consultant to the Committee on Technology and Values of the National Conference of Catholic Bishops, he serves on the executive committee of the International Society for Science and Religion and the board of advisors of the John Templeton Foundation (JTF), as well as being a member of JTF and the Templeton World Charities Foundation. The author of a dozen physics papers and some eighty-five articles on science and religion published in academic journals or in volumes of collected works, Dr. Russell is the co-editor of twelve books, including (with Nancey Murphy and Arthur Peacocke) Chaos and Complexity: Scientific Perspectives on Divine Action (1995), which won a Templeton Prize for Outstanding Books in Theology and Science, and, most recently, (with Nancey Murphy and LeRon Shults) Science, Philosophy and Divine Action (2009). He is the author of Cosmology from Alpha to Omega: Theology and Science in Creative Interaction, which was published by Fortress Press in 2008, and Time in Eternity: Pannenberg, Physics and Eschatology in Mutual Interaction, which will be published in 2012 by the University of Notre Dame Press.

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A research and teaching fellow at the University of Exeter, Christopher C.B. Southgate writes about the relation between scientific and theological accounts of the development of the cosmos and of life on Earth, including the problem of evolutionary theodicy, and about the theological and ethical implications of the present increasing disruption of the global environment. He is also a published poet. Dr. Southgate was educated at Cambridge University, where he studied at Christ's College, earned a B.A. with honors in the natural sciences, and went on to receive a Ph.D. in biochemistry in 1978. After post-doctoral research at the University of North Carolina, he worked as a research officer in the pharmaceutical chemistry group at Bath University. He was awarded a certificate of theology with distinction by Exeter University in 1989 and a general ministry certificate of the Church of England in 1991. For six years, he served as the St. Luke's Foundation Pastoral Assistant to the University Chaplaincy at Exeter, and he was director of modular studies at Exeter from 1997 to 2001. He then became a staff tutor in the South-West Ministry Training Course, a non-residential Anglican theological training institution, and was appointed dean of studies in 2005, positions he continues to hold along with his current academic post at Exeter to which he was named in 2006. Dr. Southgate has been a visiting fellow at the Center for Theology and the Natural Sciences in Berkeley. He is the recipient of two John Templeton Foundation course development awards, a Hawthornden Fellowship, and a School of Humanities and Social Sciences Merit Award from Exeter in addition to research grants from the Arts and Humanities Research Council and several awards for his poetry. He won three rounds of funding from CTNS in its Science and Transcendence Advanced Research Series for his ongoing research on information and the origin of life. In addition to some thirty-five papers published in scientific and scholarly journals or as essays in volumes of collected works, he is the editor of two books, God, Humanity and the Cosmos (1999, 2005, and 2011) and, most recently, (with D.G. Horrell, Cherryl Hunt, and Francesca Stavrakopoulou) Ecological Hermeneutics, essays examining the use of the bible in environmental ethics and ecotheology, which was published by Continuum last year. He is also the author of The Groaning of Creation: God, Evolution and the Problem of Evil (2008), a reflection on sin and redemption in an evolutionary universe that considers the problem of animal suffering. His newest book (with D.G. Horrell and Cherryl Hunt) is Greening Paul: Rereading the Apostle in an Age of Ecological Crisis, an analysis of Pauline literature from an ecological perspective, which was published by Baylor University Press in 2010. Dr. Southgate has also published five poetry collections, including a verse biography of T.S. Eliot.

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Torstein Theodor Tollefsen is a professor of philosophy at the University of Oslo. He is also a painter of icons whose work has been featured in several exhibitions in Norway. Educated at the University College in Kristiansand and at University of Oslo, he earned a master's degree in philosophy from Oslo in 1983 and took his Ph.D. in philosophy there in 2000. Dr. Tollefsen began his teaching career at Oslo in 1985, was promoted to associate professor in 2000, and was named to his present position in 2008. He has also taught in the Ansgar School of Theology in Kristiansend for the past nine years. In addition to publishing papers in academic journals, he is the author of two books in Norwegian, (with Henrik Syse and Rune Nicolaisen) a history of philosophy and an illustrated volume on icons for general audiences, as well as The Christocentric Cosmology of St. Maximus the Confessor, an investigation into the structure of St. Maximus's metaphysical conceptions of the cosmos as centered in Christ, which was published by Oxford University Press (OUP) in 2008. His newest book, Activity and Participation in Late Antique and Early Christian Thought, which is forthcoming from OUP early next year, focuses on the ancient background of an important topic in modern Orthodox spirituality-the concept of divine energies and how created beings may participate in them.

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