

CURRICULUM VITAE (July 2007)

BEVERLY A. RUBIK, Ph.D.

PROFESSIONAL BACKGROUND

Education

- 1979 University of California, Berkeley
Ph.D. Biophysics, Phi Beta Kappa.
- 1972 Illinois Institute of Technology, Chicago
B.S. Chemistry, summa cum laude. Minor in Physics.

Professional Positions

- 2008-ongoing Adjunct professor, California Institute of Integral Studies, Department of Integrative Health Studies, San Francisco, CA
- 2007-ongoing Part-time faculty member, Integrative Health Concentration, Saybrook Graduate School and Research Center, San Francisco, CA
- 2007-ongoing Holistic Health Practitioner and Health Educator, part-time, Health Medicine Center, Walnut Creek, CA
- 2000-ongoing Core Professor, part-time, Union Institute & University, Graduate College, Interdisciplinary Arts and Sciences, Cincinnati, OH
- 2006-ongoing Adjunct Professor, Energy Medicine University, Sausalito, CA
- 2000-2006 Project Director, Institute for Frontier Science, Oakland, CA, in consortium with Department of Psychology, University of Arizona, Tucson (consortium funded by National Institutes of Health center grant).
- 1999-2002 Visiting Assistant Professor, University of Arizona, College of Medicine, Program in Integrative Medicine under Dr. Andrew Weil, Tucson, AZ
- 1998-1999 Adjunct faculty member, Calif. Inst. of Human Science, Encinitas, CA
- 1997 Visiting faculty member, University for Global Well Being, Hoor, Sweden
- 1996-ongoing Founder and President, Institute for Frontier Science, a 501(c)3 nonprofit corporation for education and research, Oakland, CA
- 1988-1995 Founding Director, Center for Frontier Sciences, Temple University Philadelphia, PA

1987-1989 Research Director, Homeopathic Research Foundation, Oakland, CA

1986-1987 Senior Scientist, Miles Laboratories, Berkeley, CA 94701

1985-1988 Lecturer, Institute for Culture and Creation Spirituality
Holy Names College, Oakland, CA

1985 Project Manager, Dynasty Laboratories, Santa Clara, CA

1984-1985 Senior Scientist, International Health Services,
Palo Alto, CA

1985 Visiting Associate Professor, California Institute of Integral Studies,
San Francisco, CA

1983-1988 Lecturer, Center for Interdisciplinary Sciences and NEXA (science-humanities
convergence program), San Francisco State University, San Francisco, CA

1983-1984 Visiting Lecturer, Chemistry Department, California State University
Hayward, CA

1981 Adjunct Professor, Holistic Health Studies
John F. Kennedy University, Orinda, CA

1979-1981 Assistant Professor, Physics Department, San Francisco State University
San Francisco, CA

Professional Associations

American Association for the Advancement of Science
Bioelectromagnetics Society
International Society for the Study of Subtle Energies and Energy Medicine
Society for Scientific Exploration

Community, Civic, and Professional Services

2008-ongoing Wellcorps International, Inc., International Advisory Council,
San Francisco, CA. Consulting scientist; conducted clinical research on
nutritional products

2008-ongoing Onni, LLC, Canfield, OH. Consulting biophysicist; conducted clinical
research on consumer wellness products

2007-ongoing Executive board member, Health Medicine Forum, Walnut Creek, CA

2006-2007 Nonprofit organizations: National Association of Nutrition Professionals; and Teleosis Institute, Berkeley, CA. Advised them on drinking water and related health issues.

2006 Bioponic Phytoceuticals, Kihei, HI. Provided assistance on patent application for herbal-based consumer health products

2006 Pet Parent Network, Monterey, CA. Designed and conducted pilot research study on canine nutrition and dietary supplementation

2004-2005 Optimal Performance Institute, Sunnyvale, CA. Lectured on health and wellness with psychophysiological assessment component

2004-2005 Taro Dream, Inc., Kamuela, HI. Advised them on probiotic content of fermented food products.

2002-2004 Taught free yoga and qigong classes and workshops to patients and the elderly in Larkspur, CA and Oakland, CA

2002-2003 Gave free consultations to Blue Planet Village on drinking water issues.

2002 American Medical Students Association, Washington, DC. Developed detailed outline of medical school curriculum in bioenergetic medicine, funded by NIH.

2000-ongoing Clarus Transphase Scientific, Inc., San Rafael, CA. Scientific Advisory Board; consulted on consumer health care products and electromagnetic effects in biology and health science

1997-ongoing Presented numerous free lectures to the public hosted by various nonprofit organizations throughout the San Francisco Bay Area, including the Health Medicine Forum, Lafayette, CA; Parapsychology Research Group, San Francisco, CA; Mind-Being Foundation, Palo Alto, CA; Institute of Noetic Sciences, Petaluma, CA; IONS Diablo-Walnut Creek Chapter, Walnut Creek, CA; California Society for Psychical Research, Berkeley, CA, New Frontiers of the Gold Country, Nevada City, CA; San Francisco Tesla Society; National Association of Nutritional Professionals, Berkeley, CA; The Taoist Center, Oakland, CA; and Teleosis Institute, Berkeley, CA

1996- ongoing Senior Scientist, part-time consultant to Institute for Frontier Science, a 501c3 nonprofit corporation, on scientific research and project management

- 1996 - ongoing Holistic health educator to individual clients on enhanced self-care including nutrition and mind-body fitness; blood, biofield, heart rate variability, vascular stiffness, ergometer, and stress testing
- 1993 - 2003 Starlight International, Monterey, CA. Member, Product Research Council, to help develop, scientifically test, and lecture on consumer health care products

Awards, Recognitions, and Service to Peers

- 2008-ongoing Member, Editorial Board, *ReVision Journal*
- 2006-2007 Member, Annual Program Committee, International Society for the Study of Subtle Energies and Energy Medicine (ISSSEEM)
- 2006-ongoing Member, Editorial Board, *Integrative Medicine Insights*
- 2005 Scientist of the Year Award, 8th World Qigong Congress, San Francisco, CA
- 2004-ongoing Professional listing in *Who's Who in the World*
- 2003-2006 Member, Honorary Editorial Board, *Evidence-Based Integrative Medicine* (journal)
- 2002-2006 Member, Steering Committee, Center for Frontier Medicine in Biofield Science, University of Arizona, Tucson, AZ
- 2002-ongoing Member, Editorial Board, *Journal of Alternative and Complementary Medicine*.
- 2002 Roger Callahan Award, Association for Comprehensive Energy Psychology
- 2001-2004 Member, International Advisory Board, The International Joseph H. Navach Project, Human Energy Systems Laboratory, University of Arizona, Tucson, AZ
- 2001-2004 Founding Member, Institutional Review Board, Union Institute and University
- 2000-2001 Member, Board of Advisors, Lightbridge Productions, "Healing Quest", San Francisco, CA
- 1999-2000 Member, Medical Advisory Board, Integrative Medicine Arts Group, Beaverton, OR.
- 1999-2000 Member, Committee for the Application of Ki-Energy. Ministry of International Trade and Industry (MITI), JAPAN.
- 1998-ongoing Member, Scientific Advisory Board, Health Medicine Forum, Walnut Creek, CA

1997-2000 Member, Scientific Advisory Board, Biomed Comm Inc., Seattle, WA

1997-1998 Advisory Board Member, Wellness Sciences Inst., Philadelphia, PA

1996-1999 Member, Program Advisory Council, Office of Alternative Medicine, National Institutes of Health (NIH), Bethesda, MD

1996-2000 Advisory Board Member, HealthWorld Online

1996-2000 Advisory Board Member, CANHELP, and University for Global Well-Being, Malmo, Sweden

1995-2000 Member, Editorial Advisory Board, *Journal of Complementary Therapies in Medicine*

1995-2000 Member, Advisory Board, The Arizona Center for Health and Medicine, Phoenix, AZ

1995-2000 Member, Advisory Board, Program in Integrative Medicine, University of Arizona Medical School, Tucson, AZ

1995-1997 Member, Advisory Board, John Templeton Foundation, Radnor, PA

1995-1998 Member, Scientific Advisory Board, Tru-Light Corporation, Carmel, CA

1994-2003 Member, Product Research Council, Starlight International Inc., Monterey, CA

1994-1996 Committee Member, International Cancer Association Network, Sydney, Australia

1994-1997 Member, Advisory Board of Editors, *European Journal of Classical Homeopathy*

1994-ongoing Listed in *The World Who's Who of Women*

1994-2001 Member, Editorial Board, *Alternative Therapies in Health and Medicine*

1994-1999 Associate Editor, *Alternative Health Practitioner, Journal of Complementary and Natural Care*

1994-ongoing Member, Journal Advisory Board, *Subtle Energies and Energy Medicine*

1994-ongoing Listed in *Who's Who in Science and Engineering*

1993-1994 Nominator for Fellows Program of the MacArthur Foundation

1993-2002	Council member, Society for Scientific Exploration
1993-1996	Member, Advisory Board, International Centre for Earth Renewal, Vancouver, BC.
1993-2000	Member, Advisory Board, Institute for Functional Research, Tiburon, CA
1993	Invited Participant to White House Health Care Task Force Meeting on Alternative and Complementary Medicine (under Hillary Clinton)
1992-1994	Member, Ad Hoc Advisory Panel, Office of Alternative Medicine, NIH, Bethesda, MD
1992-1994	Chair, Bioelectromagnetics Panel, Office of Alternative Medicine, NIH
1992-ongoing	Listed in <i>Who's Who in Science and Theology</i>

SCHOLARLY ACTIVITIES

I. Research and Grant Support

2007-8, Neurotek, Inc., Goshen, KY. Support for research project on 40 Hz brainwave emission, neurofeedback, and altered states of consciousness.

2007, Union Faculty Development Grant for presentation of paper on the biofield at International Society for Neurofeedback and Research, San Diego, CA.

2007-ongoing, Anodos Foundation, Cambria, CA, grants for collaborative research toward the development of appropriate scientific methodology to study subtle interactions between mind and matter.

2006, Union Faculty Development Grant for presentation of original research paper on qigong at Complementary and Alternative Medicine Expo, Los Angeles, CA.

2005, Union Faculty Development Grant for presentation of original research paper on Reiki at International Society for the Study of Subtle Energies and Energy Medicine, Boulder, CO.

2004, Union Faculty Development Grant for presentation of original research paper on Reiki at International Society for the Study of Subtle Energies and Energy Medicine, Colorado Springs, CO

2003, Institute for Frontier Science, Oakland, CA. Lifebridge Foundation grant for general operating expenses for research programs.

2002-2006, Institute for Frontier Science, Oakland, CA. NIH Center Grant, for establishing the Center for Frontier Medicine in Biofield Science at University of Arizona, Tucson, and at Institute for Frontier Science, Oakland, CA, for conducting scientific and medical research on biofield science including therapeutic touch, qigong, Joh Rei, and related modalities, and training scientists in research.

2002, Union Faculty Development Research Grant, Union Institute and University, Cincinnati, OH. Research project on drinking waters.

2001, Institute for Frontier Science, Oakland, CA. Grants from Ideas One, Inc., the Silicon Valley Community Foundation, and the Joseph Carley Foundation for research equipment and general operating expenses.

1999, Institute for Frontier Science, Oakland, CA. Grant from Lifebridge Foundation and the Joseph Carley Foundation for studies on the human biofield in health and healing.

1997-2007, Institute for Frontier Science, Oakland, CA. Annual grants from Jeanne Rich Foundation for purchase of research equipment and general operating expenses.

1996, Institute for Frontier Science, Philadelphia, PA. Grant from the Lifebridge Foundation to self-publish Life at the Edge of Science, a book, and establish a website.

1996-1999, Institute for Frontier Science, Philadelphia, PA. Personal donations from Laurance S. Rockefeller, Sr., for establishing the Institute for Frontier Science, a 501c3 nonprofit corporation for research & education.

1995, Temple University, Philadelphia, PA. Grant from Lifebridge Foundation for the Center for Frontier Science at Temple University, education and outreach programs on frontier science and medicine.

1988-1995, Temple University, Philadelphia, PA. Annual grants from the Richard J. Fox Foundation for the Center for Frontier Science at Temple University, education and outreach programs on frontier science and medicine

1988, Temple University, Philadelphia, PA. Grant from John Fetzer Foundation to set up the Center for Frontier Sciences, for education and international outreach programs on frontier science and medicine.

1980-1, San Francisco State University, San Francisco, CA. Grant from Ernest Holmes Foundation for Holistic Health to study effects of intention and prayer on bacterial cultures.

II. Scientific Publications

Rubik B. Measurement of the Human Biofield (Textbook chapter #20) (2009). In: Freeman LW, (editor) Mosby's Complementary and Alternative Medicine: A Research Based Approach. St. Louis, MO: Mosby (Elsevier, Inc.), pp 555-573.

Rubik, B; Brooks Audrey; and Schwartz, Gary (2006). *In Vitro* Effect of Reiki Treatment on Bacterial Cultures: Role of Experimental Context and Practitioner Wellbeing. *Journal of Alt. & Compl. Med* 2006;12(1):7-13.

Rubik, B. and Brooks, Audrey (2005). Digital Electrophotographic Assessment of the Fingertips of Subjects Practicing Qigong. *Evidence-Based Integrative Medical Journal* 2005;2(4):245-252.

Rubik, B.; Brooks, Audrey; and Schwartz, Gary (2004). The Effects of Reiki on Bacterial Culture Growth in Relation to Psycho-Social Context (abstract). Proceedings of the annual conference of the International Society for the Study of Subtle Energies and Energy Medicine, June 2004, Colorado Springs, CO.

Rubik, B. (2004) The Human Biofield and a Pilot Study on Qigong. In: Joaquim Fernandes (ed.) *Proceedings of the International Forum on Science, Religion, and Consciousness*. Porto, Portugal.

Rubik, B. (2004) Changes in biofield emission parameters of chronically ill subjects following qigong. In: R.I. Heinze (ed.). *Proceedings of the 20th International Conference on the Study of Shamanism and Alternative Modes of Healing*, Santa Sabina Center, Dominican University, San Raphael, CA, September 1-3, 2002. Berkeley, CA: Independent Scholars of Asia, Inc.,

Rubik, B and Brooks, AJ. Digital Electrophotographic Assessment of the Fingertips of Subjects Practicing Qigong. Submitted to *Journal of Alternative and Complementary Medicine*, July 2004.

Rubik, B (2003) The Biofield Hypothesis (abstract). *Proceedings of the Quantum Mind Conference*, University of Arizona, Consciousness Studies Program, Tucson, March, 2003.

Rubik, B. (2002). The Biofield Hypothesis: Its Biophysical Basis and Role in Medicine. *Journal of Alternative and Complementary Medicine*, December 2002, 8(6), 703-718.

Rubik, B. (2002) Sympathetic Resonance Technology: Scientific Foundation and Summary of Biological and Clinical Studies. *Journal of Alternative and Complementary Medicine*, December 2002, 8(6), 823-856.

Rubik, B. (2002) Scientific Analysis of the Human Aura. In: Heinze, R.I. (ed.) *Proceedings of the 19th International Conference on the Study of Shamanism and Alternative Modes of Healing*, Santa Sabina Center, Dominican University, San Raphael, CA, September 1-3, 2002. Berkeley, CA: Independent Scholars of Asia, Inc., 104-125.

Rubik, B. (1997) The unifying concept of information in acupuncture and other energy medicine modalities. *Proceedings of the 1996 Medical Acupuncture Research Foundation Symposium on the Physiology of Acupuncture*. *Journal of Alternative and Complementary Medicine*, Vol. 3, Suppl. 1, pp. S-67 - S-76.

- Rubik, B. (1997) Bioelectromagnetics and the Future of Medicine. *Administrative Radiology Journal*, Vol. XVI, No. 8., August 1997, pp. 38-46.
- Rubik, B. (1997) Information, Energy, and the Unpredictable Whole. *Advances: The Journal of Mind-Body Health*. vol.13 (2), Spring, 1997, pp. 67-70.
- Bower, P.J., Rubik, B, and Weiss, S.J. (1997). *Manual Therapy: Hands on Healing*. *Patient Care*. December 15, 1997, pp. 69-90.
- Rubik, B. (1996) What Health Care Practitioners Can Learn from the Frontiers of Science. *Alternative Health Practitioner*. vol. 2 (3), Fall/Winter 1996, pp. 165-168.
- Rubik, B. (1996) The Challenge of Consciousness Study. In D. N. Ghista (ed.), *Biomedical and Life Physics, Proceedings of the Second Gauss Symposium, 2-8 August 1993, University of Munich, Munich, Germany*. Wiesbaden, Germany: Vieweg Verlag, pp. 375-382.
- Rubik, B., et al. (editorial review board) (1995) *NIH Report: Alternative Medicine: Expanding Medical Horizons*. (book, 420 p.) U.S. Government Printing Office, Washington, D.C.
- Rubik, B. (1995) The Status of Field Investigations by the U.S. National Institutes of Health, Office of Alternative Medicine, on the Efficacy of Some Alternative Cancer Treatments. In J. Burke (ed.), *Proceedings of the First World Congress on Cancer, Darling Harbor, Sydney, Australia, April 16-18, 1994, Sydney: Independent Medical Research*.
- Rubik, B. (1995) The NIH Office of Alternative Medicine: What Has It Accomplished in Its 3 Years? *Alternative Health Practitioner*, vol. 1, No. 1, Spring, pp. 7-11.
- Rubik, B. (1995) The Machine is Broken and No Medicine Can Fix It. *Alternative Health Practitioner*, vol.1(3), Fall 1995, pp. 159-161.
- Rubik, B. (1995) Can Western Science Provide a Foundation for Acupuncture? *Alternative Therapies in Health and Medicine*. Sept. 1995 1(4): 41-47.
- Rubik, B. (1995) Energy Medicine and the Unifying Concept of Information. *Alternative Therapies in Health and Medicine*, March, vol. 1(1): pp. 34-39.
- Rubik, B., Walleczek, J., Liboff, A., Hazelwood, C., and Becker, R.O. (1995) *Bioelectromagnetics Applications in Medicine*. In Rubik, B. et al., (11-member editorial review board), *NIH Report: Alternative Medicine: Expanding Medical Horizons*. U.S. Government Printing Office, Washington, D.C., pp. 45-65.
- Rubik, B., Pavek, R., Greene, E., Laurence, D., Ward, R., et al. (1995) *Manual Healing Methods*. In Rubik, B. et al., (11-member editorial review board), *NIH Report: Alternative Medicine: Expanding Medical Horizons*. U.S. Government Printing Office, Washington, D.C., pp. 113-157.

Rubik, B. (1995) Rethinking Pleomorphism in Biology and Medicine. In R. I. Heinze (ed.) Proceedings of the 12th International Conference on the Study of Shamanism and Alternate Modes of Healing, San Rafael, CA, September 2-4, 1995. Berkeley, CA: Independent Scholars of Asia, Inc., pp. 198-211.

Rubik, B. (founder and editor) *Frontier Perspectives* 1(1) (journal, ~60 p.) 1990-1995. Center for Frontier Sciences at Temple University, Philadelphia.

Rubik, B. (1993) Can Western Science Provide a Foundation for Acupuncture? *American Association for Medical Acupuncture Review*, 5(1), Spring-Summer, pp. 15-27.

Rubik, B. (1992) Volitional (Healer) Effects on a Bacterial System. In Rubik, Beverly (ed.) *The Interrelationship Between Mind and Matter*, The Center for Frontier Sciences at Temple University, Philadelphia, PA, p.169-191.

Rubik, B. (ed.) (1992) *The Interrelationship Between Mind and Matter*. (book, 281 p.) Center for Frontier Sciences at Temple University, Philadelphia, PA.

Josephson, B.D., and Rubik, B.A. (1992) The Challenge of Consciousness Research. *Frontier Perspectives* 3(1), Fall, 1992. P. 15-19.

Josephson, B.D., Rubik, B.A., Fontana, D., and Lorimer, D. (1992) Defining Consciousness. *Nature* 358, 20 August 1992, p. 618.

Rubik, B. (1992) Three Frontier Areas of Science that Challenge the Mainstream. *Frontier Perspectives* 3(1), 26-32.

Rubik, B. (1990) Homeopathy and Coherent Excitation in Living Systems. *Berlin J. on Res. in Hom.* 1(1), pp. 24-27.

Rubik, B. (1989) Report on the Status of Research on Homeopathy with Recommendations for Future Research. *British Homeopathic Journal* 78, pp. 86-96. {Reprinted in *Biol. Therapy: J. Nat. Med.* (1989) 7(2), pp. 25-35.}

Rubik, B. (1989) Bioresonance. In R. I. Heinze (ed.) *Proc. Of the 6th International Conference on the Study of Shamanism and Alternate Modes of Healing*. Berkeley, CA: Independent Scholars of Asia, Inc., 25-32.

Rubik, B. (1988) Shamanism and the Holographic Scientific Paradigm. *Proc. Of the 5th International Conference on the Study of Shamanism and Alternate Modes of Healing*, R. Heinze, (ed.), Berkeley, CA:Independent Scholars of Asia, Inc., 12-16.

Rauscher, E. and Rubik, B. (1983) Human Volitional (Healer) Effects on a Model Bacterial System. *Psi Research*, March, 1983, pp. 38-48.

Rubik, B. (1980) Biochemical Model for Bacterial Chemoreception and Chemotaxis. *Proc. Internatl. Symp. Olfact. & Taste*, 7, 195.

Rubik, B. (1980) Biochemical Model for Bacterial Chemotaxis. *Fed. Proc. Fed. Amer. Soc. Exp. Biol.* 57, 824.

Rauscher, E. and Rubik, B. (1979) Effects on Motility Behavior and Growth Rate of Salmonella Typhimurium in the Presence of Olga Worrall. *Research in Parapsychology* 1979, 140.

Rubik, B. and Koshland, D. E., Jr. (1978) Potentiation, Desensitization, and Inversion of Response in Bacterial Chemotaxis. *Proc. Natl. Acad. Sci. USA*, 75(6), 2820.

Rubik, B. and Koshland, D. E., Jr. (1977) Relationships between Multiple Stimuli in Different Receptor Classes in Bacterial Chemotaxis. *Fed. Proc. Fed. Amer. Soc. Exp. Biol.*, 36, 796.

III. Interdisciplinary Publications

Rubik, B (2008) (essay). In Awe and Gratitude for the Body. In: Originally Blessed: The 25th Anniversary of Matthew Fox's Original Blessing. Henry, Matthew (editor). Golden, CO: Creation Spirituality Communities, pp 88-91.

Rubik, B. (2007) (Textbook chapter #11). Qigong for Health and Wellness. In: Volume 2, *Psychology, Spirituality, and Healthcare* of 3-volume series. Serlin, Ilene (editor), Whole Person Healthcare. Westport, CT: Greenwood Publishing Group (Praeger), pp. 211-234.

Rubik, B (2007). Ethical and Other Concerns in Human Manipulation Research and Development. Proceedings of the International Conference on Science and Religion in an Age of Crisis. Yoko Civilization Research Institute, Tokyo, Japan (bilingual publication in Japanese and in English)

Rubik, B. (2002) Can Science Offer Us Hope for the Future? Essay in: Warnstrom, Ingemar (ed.) The First Book of Hope. Malmö, Sweden: Bohlins Grafiska, 17-21.

Rubik, B. (2001) Complementary and Alternative Medicine: The Paradigm Shift Underway in Science and Medicine. Network, 17(1), March 2001, p 4-8.

Rubik, B. (2000). Subtle Energies in Biology and Medicine. In Akutsu, Jun (ed.), Shocking Science Tokyo: Tokuma Press, p.57-70, (in Japanese).

Rubik, B. (1999). "Alice experiences coherence in the quantum community", (fiction). In: Shanley, William (editor), Alice Zwischen Den Welten (Alice Between the Worlds), Stuttgart, Germany: DVA, ISBN 3-421-0521-05179-8, (in German).

Rubik, B. (1999). The perennial challenge of anomalies at the frontiers of science. Infinite Energy, Vol. 5, Issue 26, pp. 34-41.

Rubik, B. (1997) *The Perennial Challenge of Anomalies at the Frontiers of Science*. In: Bastide, M. (ed.) *Signals and Images*, Amsterdam: Kluwer Academic Publishers, pp. 15-28.

Rubik, B. (1996) *Life at the Edge of Science*. Oakland, CA. Institute for Frontier Science. [book of 14 papers; 192 pp].

Rubik, B. (1996) *A Major Life Change Anticipated and Aided by Dreams*. In: R. I Heinze (ed.) *Phoenix Rising IV: Proceedings of the International Conference on the Study of Shamanism and Alternative Modes of Healing*. San Raphael, CA, Aug. 31 - Sept. 2, 1996. Berkeley, CA: Independent Scholars of Asia pp. 178-185.

Rubik, B. (1994) *The Feminine Archetype: A Missing Factor in Contemporary Psi Research*. In Coly, L. and White, R. (eds.), *Women and Parapsychology*. Proceedings of an International Conference held in Dublin, Ireland. September 21-22, 1991. New York, NY: Parapsychology Foundation, Inc., pp. 51-67.

Rubik, B. (1994) *The Role of Frontier Scientists' Personae in Their Research*. In R. I. Heinze (ed.), *Proceedings of the 11th International Conference on the Study of Shamanism and Alternate Modes of Healing*, San Rafael, CA, September 3-5, 1994. Berkeley, CA: Independent Scholars of Asia, Inc. pp. 30-38.

Rubik, B. (1994) *The Perennial Challenge of Anomalies at the Frontiers of Science*. *British Homeopathic Journal*, Vol. 83, pp. 155-166.

Rubik, B. (1994) *Shamanism and Spirits of Darkness*. In L. Sherman (ed.), *Evil, The Cosmic Shadow*, Cauldron Productions, NY, pp. 29-40.

Rubik, B. (1993) *Energy Medicine: A Challenge for Science*. *Noetic Sciences Review*, Winter 1993. The Institute of Noetic Sciences, Sausalito, CA, pp. 37-39.

Rubik, B. (1993) *Changing Science, Changing Ourselves*. In Feuerstein, G. and Feuerstein, T.L. (eds.) *Voices on the Threshold of Tomorrow*. Quest Books, Wheaton, IL, pp. 158-160.

Rubik, B. (editorial consultant) (1993) *William Poole and the Institute of Noetic Sciences. The Heart of Healing*. (companion volume to Turner Broadcasting Television Program "The Heart of Healing", 192 p.) Atlanta: Turner Publishing, Inc.

Rubik, B. and Rauscher, E. (1993) *Volitional (Healer) Effects on a Model Bacterial System*. In Kane, Beverly; Millay, Jean; and Brown, Dean (eds.) *Silver Threads: 25 Years of Parapsychology Research*, Praeger, Westport, CT, pp. 181-187.

Rubik, B. (1993) *Natural Light from Organisms: What, if Anything, Can It Tell Us?* *Noetic Sciences Review*, Summer, 1993. The Institute of Noetic Sciences, Sausalito, CA, pp. 10-15.

Rubik, B. (1993) *Introduction to the Song of Songs*. In Sherman, L. (ed.), *The Union of Sex and Spirit*, Cauldron Productions, NY, pp. 61-70.

- 2008 Lecture, “Research Project on Higher Consciousness: What Inner States Do People Experience when Emitting High Frequency Brainwaves from the Prefrontal Cortex?” Annual Taoist Gathering, Oakland, CA, October 2008
- 2008 Research Paper, “Do Gamma Brainwaves Correlate with Higher Consciousness?” 25th Annual International Conference on the Study of Shamanism and Alternate Modes of Healing, San Rafael, CA, September 2008
- 2008 Invited presentation, “Fields as Bridges Between Mind and Matter” Assisi Institute Conference, Brattleboro, VT, August 2008
- 2008 Research Paper, “The Perceived Experience Associated with Emission of 40 Hz Brainwaves”. Annual conference, Society for Scientific Exploration, Boulder, CO, June 2008
- 2008 Workshop, “Intent, Emotion, and the Memory of Water.” Annual Conference, International Society for Subtle Energies & Energy Medicine, Boulder, CO June, 2008
- 2008 Invited presentation, “Healing and the Biofield”, Assisi Institute Conference, Brattleboro, VT, May, 2008
- 2007 Lecture, “The Biofield: Flame of Life”. Taoist Gathering, Oakland, CA, October, 2007
- 2007 Invited presentation, “The Biofield: The Flame of Life and a Key Link Between Science and Spirit. Second Annual Conference on the Convergence of Science and Spirituality. Iliff School of Theology, Denver, CO, September, 2007
- 2007 Workshop, “Frontiers of Holistic Health Testing for Optimal Wellness”. Health Medicine Forum, Lafayette, CA, September 2007
- 2007 Paper, “Polycontrast Inteference Photography of the Human Energy Field in Health and Disease—a Pilot Study” 24th Annual International Conference on the Study of Shamanism and Alternate Modes of Healing, San Rafael, CA, September, 2007
- 2007 Invited panel presentation, “The Biofield: Frequency Interventions” International Society of Neurofeedback and Research. San Diego, CA, September, 2007
- 2007 Invited presentation, “Healing and Mystical States: Evidence and Anecdotes”, Assisi Conference on Fields of Healing: Wisdom and the new Sciences, Assisi, Italy, July 2007

- 2007 Guest Faculty Member, Presentations on Human Bioenergetics, Saybrook Graduate School, Residential Conference, San Francisco, June 2007
- 2007 Invited lecture, “Polycontrast Interference Photography of Humans in Health and Disease“, Annual conference, Society for Scientific Exploration, Michigan State University, East Lansing, MI, May 2007
- 2007 Two Lectures, “Some Remarkable Anecdotes on Healers and Their Intervention” and “Polycontrast Interference Photography (PIP) of the Human Energy Field”, Winter Brain Conference, Palm Springs, CA, January 2007
- 2007 Lecture, “Frontiers of Drinking Water and Health”, National Association of Nutrition Professionals, Berkeley, CA, January 2007
- 2006 Keynote presentation, “How Mind-Body Science is Changing Medicine and Healing the Rift between Science and Spirit” at International Conference on the Convergence of Science and Spirituality: Healing the Earth and Healing the Self. Iliff School of Theology and the Bhaktivedanta Research Institute, Denver, CO
- 2006 Presentation, “Measuring Energy Flow Before and After Qigong using the EMAS (Electro-Meridian Assessment System)”. 9th World Qigong Congress, CAM Expo West, Los Angeles, CA
- 2006 Lecture, “Parallels Between Science and Taoism”. Taoist Center Gathering, Oakland, CA
- 2006 Lecture, “The Measurement of Subtle Energies in Biology and Medicine”. Foundation for Mind-Being Research, Palo Alto, CA
- 2006 Lecture, “Frontiers of Subtle Energy Research: Where East Meets West”, International Society for Subtle Energies & Energy Medicine, Boulder, CO
- 2006 Invited presentations on Reiki and Biofield Measurements, Biofield Science Conference hosted by National Center for Complementary and Alternative Medicine, National Institutes of Health, Bethesda, MD
- 2006 “Frontiers of Water Research and Health”. Public lecture series to the San Francisco Bay Area Community, Institute for Frontier Science, Emeryville, CA
- 2006 Lecture, “Water, the Matrix of Life: What to Drink for Health and Ecological Living”, Teleosis Institute, Berkeley, CA
- 2006 Lectures on Subtle Energy, Qigong, and Water, Winter Brain Conference, Palm Springs, CA

- 2006 Invited Presentations on Biofield Research to the National Center for Complementary and Alternative Medicine, National Institutes of Health (NIH), Bethesda, MD
- 2005 Keynote presentation on Yoga Research, Holistic Health Conference, Kawakami Yoga Ashram, Tokyo, Japan
- 2005 Invited speaker, “Ethical and Other Concerns in Human Manipulation Research and Development”, International Conference on Science and Religion in an Age of Crisis, Yoko Civilization Research Institute, Awaji, Japan
- 2005 Invited speaker & panelist, Health Medicine Forum, Orinda, CA
- 2005 Contributed paper, “*In Vitro* Effect of Reiki Treatment on Bacterial Cultures”, Healing Research Symposium, International Society for the Study of Subtle Energies and Energy Medicine, Colorado Springs, CO
- 2005 Invited presentations on phototherapy and on qigong at Whole Person Healing Symposium, Bethesda, MD
- 2005 Lecture & workshops on energy medicine, Winter Brain Meeting, Palm Springs, CA
- 2004 Keynote presentation on feminine contributions in frontier science, United States Psychotronics Association, Annual Conference, Columbus Ohio
- 2004 Presentation, Healing Research Symposium, International Society for the Study of Subtle Energies and Energy Medicine, Annual Symposium, Colorado Springs, CO
- 2003 Digital Electrophotography of Chronically Ill Subjects Pre- and Post-Qigong, presented at 19th Annual International Conference on the Study of Shamanism and Alternate Modes of Healing, San Raphael, CA.
- 2003 Invited presentation, International Forum on Science, Religion, and Consciousness. University of Fernando Pessoa, Porto, Portugal
- 2003 Digital Electrophotography of Chronically Ill Subjects Pre- and Post-Qigong, presented at 19th Annual International Conference on the Study of Shamanism and Alternate Modes of Healing, San Raphael, CA.
- 2003 Contributed paper, Changes in Heart Rate Variability and the Autonomic Nervous System Following Yoga, Annual Meeting of the Society for Scientific Exploration, Kalispell, MT.

- 2003 Invited speaker on Heart Rate Variability: The Next Vital Sign, Chicago Medical Society Annual Conference, Chicago, IL
- 2003 Workshop, Exploring the Science of Body Energy Therapies, Department of Holistic Health Education, San Francisco State University, San Francisco, CA
- 2003 Speaker on biofield hypothesis at Quantum Mind Conference, University of Arizona, Tucson, AZ
- 2003 Invited speaker on heart rate variability following complementary medical interventions, Future Health's Winter Brain Conference, Palm Springs, CA
- 2002 Keynote speaker, Non-linear Systems Dynamics in Living Systems, International Conference on Seeds of Wholeness, Hilversum, The Netherlands
- 2002 Invited speaker on Scientific Assessment of the Human Energy field in Subjects Practicing Dayan Qigong, 5th World Congress on Qigong, San Francisco, CA
- 2002 Invited speaker on subtle energy research in acupuncture, Annual Meeting, California Society for Oriental Medicine and Acupuncture, San Francisco, CA
- 2002 Invited speaker on Leadership and the New Science, Summer Leadership Conference, Southern Oregon State University, Ashland, OR
- 2002 Invited speaker on biofield research, Annual Conference, Association for Applied Psychophysiology and Biofeedback, Las Vegas, NV
- 2002 Scientific Analysis of the Human Aura", 19th Annual International Conference on the Study of Shamanism and Alternate Modes of Healing, San Raphael, CA.
- 2001 Colloquium speaker on research on energy medicine, Panum Institute, University of Copenhagen Medical School, Denmark.
- 2001 Keynote speaker on mind-body-spirit in medicine, Spirituality, Health, and Healing Conference, University of Arizona, Tucson, AZ
- 2001 Invited speaker on qigong research methodology, 4th World Qigong Congress, San Francisco, CA
- 2001 Invited speaker, Society for Orthomolecular Medicine, Annual Conference. San Francisco, CA
- 2000 Keynote speaker on acupuncture research, Annual Symposium, Society for Acupuncture Research, Baltimore, MD
- 2000 Keynote speaker on bioelectromagnetic applications in medicine, Syntonic Optometry Annual Conference. St. Louis, MO.

- 2000 Keynote speaker, bioelectromagnetic medicine, 1st National Symposium on Complementary and Alternative Medicine in Geriatric Health Care. Logan College of Chiropractic Medicine, St. Louis, MO.
- 2000 Keynote speaker on new paradigms in the life sciences, Year 2000 World Summit on Peace, Freedom, and Time. Planetary Academic Federation. Kobe, Japan.
- 2000 Invited speaker, science & consciousness, Mind & Supermind Colloquium Series, Santa Barbara City College, Santa Barbara, CA
- 1999 Invited speaker & workshop presenter on consciousness studies, Conference on New Paradigms in Science and Education, Autonomous University of Baja California, Mexicali, Mexico.
- 1999 Invited Speaker, 3rd World Congress on Qigong. San Francisco, CA.
- 1999 Invited speaker, State of the World Forum, San Francisco, CA.
- 1999 Keynote speaker, Third International Conference of the Yoko Civilization Research Institute, Takayama, Japan.
- 1999 Invited speaker, International Conference on Integrative Medicine, Seattle, WA.
- 1999 Invited speaker, International Conference on Science and Consciousness, Albuquerque, NM.
- 1998 Keynote speaker on subtle energies in biology and medicine. Waseda University, Tokyo, Japan
- 1998 Invited speaker, Penn State University, Subtle energies and bioelectromagnetic applications in medicine. State College, PA
- 1998 Seminar on the implications of a post-modern view of consciousness for integrative medicine, Program in Integrative Medicine, University of Arizona Medical School, Tucson, AZ
- 1997 Invited speaker, Antioch College Conference on Self-Organizing Systems, Keene, NH
- 1997 Invited speaker, Holistic Medicine, University of Urbino, Italy
- 1997 Invited speaker, Bioelectromagnetic applications in medicine, Alternative Therapies Second Annual Symposium, Orlando, FL

- 1997 Lecture and workshop on alternative medicine, Antioch New England Graduate School and Consortium of Healthcare Clinics, Keene, NH
- 1997 Lecture, Cntr. for the Study of Complementary & Alternative Therapies, University of Virginia, Charlottesville, VA
- 1996 Keynote speaker and member, International Organizing Committee, 1st International Conference on Consciousness, New Medicine, and New Energy, Tokyo, Japan
- 1996 Invited speaker, International Conference on New Paradigms in Science and Education, Autonomous University of Baja California, Mexicali, Mexico
- 1996 Invited speaker, 1st International Conference on the Physiology of Acupuncture, Medical Acupuncture Research Foundation, Crystal City, VA
- 1996 Invited speaker, Assisi Conference on the Confluence of Matter and Spirit, Assisi, Italy
- 1996 Keynote speaker, 19th Annual Symposium, American Holistic Medical Association, Philadelphia, PA
- 1996 Lecture on science and the sacred, University of Pennsylvania, Philadelphia
- 1996 Invited speaker and workshop leader, University of Arizona Medical School, Program in Integrative Medicine
- 1996 Invited speaker, Society for Enlightenment and Transformation, United Nations, New York, NY
- 1996 Invited speaker, 1st Annual Conference, Alternative Therapies in Health and Medicine, San Diego, CA
- 1995 Participation in Conference on the New Scientific Paradigm Applied to Business, SEI Center for Advanced Studies in Management, Wharton Business School, University of Pennsylvania, Philadelphia, PA
- 1995 Two invited presentations at the Italian Homeopathic Foundation, Naples, Italy
- 1994 Lecture on Alternative Medicine to World Presidents' Organization. South China University Conference, Hong Kong
- 1994 Presentation at NIH Office of Alternative Medicine Conference on Research Methodology, Bethesda, MD

- 1994 Lecture on Biophoton Emission to Japan Psychotronics Institute, Tokyo, Japan
- 1994 The Center for Frontier Sciences in Relation to Alternative Medicine. Lecture at Uniformed Services University of the Health Sciences, Bethesda, MD
- 1994 Keynote presentation on Subtle Energy. Annual Conference of the International Society for the Study of Subtle Energies and Energy Medicine, Boulder, CO
- 1994 Keynote presentation on Scientific Basis for Homeopathy and Energy Medicine. Annual Conference of the National Center for Homeopathy, Chicago, IL
- 1994 Role of the NIH Office of Alternative Medicine in Researching Alternative Treatments for Cancer. World Congress on Cancer, Darling Harbour, Sydney, Australia
- 1994 Workshop on the Challenge of the Frontier Sciences to Contemporary Science and Its Foundations. University of Guadalajara, Mexico

Scholarship of Engagement, Service, and Social Action

200 hours Yoga Teacher Training, 2002, Dharma Yoga Institute, Larkspur, CA. Taught free yoga classes and workshops in Oakland and Larkspur, CA to patients and the elderly; 2002-ongoing.

Free consultation to Blue Planet Village, Inc., on drinking water issues; 2002-2003.

Member, Union Institute Institutional Review Board (IRB), 2001-2004

Helped develop the original IRB materials for Union Institute review of research proposals, 2001-2003

Member, Union Institute Faculty Development Committee, 2000-2001

Presented numerous free lectures to the public hosted by various nonprofit organizations throughout California, including the Health Medicine Forum, Oakland, CA; Teleosis Institute, Berkeley, CA; National Association of Nutritional Practitioners, Berkeley, CA; Parapsychology Research Group, San Francisco, CA; Mind-Being Foundation, Palo Alto, CA; Institute of Noetic Sciences, Petaluma, CA; California Society for Psychical Research, Berkeley, CA, New Frontiers of the Gold Country, Nevada City, CA; 1997-ongoing.

Serves on numerous advisory boards and peer-reviewed professional journal editorial boards as listed under section, “Awards, Service, and Recognitions”; ongoing.

Scholarship of Teaching and Student Guidance

Mentored doctoral students as core professor and as reader of doctoral students’ dissertations at Union Inst. and University; and at Saybrook Graduate School and Research Center

Developed and taught the following Union Institute & University Doctoral Seminars in Interdisciplinary Arts & Sciences:

“Science and Consciousness”, convened in 2000, 2001, 2002, 2004

“Art, Science, and Creativity”, co-convened in 2005 with Dr. Susan Amussen in Padua, Italy

“Conducting Human Subject Research”, convened in Spring 2006

“Quantitative Research Design”, convened in Fall 2006

“Research Design: Qualitative, Quantitative, and Mixed Methods”, convened in Spring, 2008

Developed and taught masters level course in mind-body approaches in health and healing at California Inst. of Integral Studies

Taught doctoral level courses in (1) neuroscience: psychology and the brain; (2) mind-body interventions in health and medicine; and (3) grantwriting for NIH; at Saybrook Graduate School and Research Center

AREAS OF SPECIALIZATION

- Biological science with a concentration in biophysics, physiology, mind-body interactions, bioelectromagnetics and bioenergetics
- Foundations of science; new paradigms of inquiry including frontier science
- Dynamical systems theory (“chaos” theory) and its applications
- Consciousness studies; science and consciousness; mind-body science; subtle energies
- Basic and clinical research in alternative, complementary, and integrative health
- Integrative health practices, holistic health assessment, anti-aging, and enhanced self-care
- East-West perspectives on consciousness, health, healing, and the mind-body; yoga; qigong