

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Joe Dan Coulter

eRA COMMONS USER NAME: jcoulter

POSITION TITLE: Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Oklahoma, Norman	B. A.	1966	Psychology
University of Oklahoma Medical Center, Oklahoma City	Ph.D.	1971	Biological Psychology
University of Texas Medical Branch, Galveston	Post-doc	1971	Neurophysiology
Universita di Pisa, Italy	Post-doc	1973	Neurophysiology
University of Edinburgh, Scotland	Post-doc	1974	Neurophysiology

A. Personal Statement

Dr. Coulter is an enrolled member of the Citizen Potawatomi Nation of Oklahoma (federally recognized) and currently active in teaching, research/scholarship, and community service in American Indian/Alaskan Native health. Since joining the College of Public Health in 2004, he teaches, conducts seminars, and makes public presentations/trainings on racial/ethnic health disparities, the development of cultural competence, and organizing community-based participatory health programs. He has conducted collaborative research and scholarship in the areas of children's oral health in Northern Plains tribal communities, tribal preparedness and emergency response, establishing working relations in clinical and translational research in partnership with Federally Qualified Community Health Centers, and development/evaluation of biomedical research programs in tribal colleges and communities. He holds membership in the American Indian Science & Engineering Society, National Indian Education Association, National Institute for Native Leadership in Higher Education, the American Indian and Alaskan Native Professors, the Society for Chicanos and Native Americans in Science, the Native Research Network, the American Indian, Alaskan Native, Native Hawaiian Caucus of the American Public Health Association and the American Indian Higher Education Consortium. Dr. Coulter is a member of the External Advisory Committee of the Montana State University (MSU) Idea Networks for Biomedical Research Excellence (INBRE) program, an NIH program to improve biomedical research infrastructure for Montana's higher education system and tribal colleges. He also serves MSU on the External Advisory Committees of the NIH supported American Indians into Research Program, Center for Native Health Partnerships, and the Culturally Connected Community Goals programs. In 2008, he was appointed to the External Advisory Committee of the Northern Plains Tribal Epidemiology Center of the Great Plains (Aberdeen Area) Tribal Chairman's Health Board. He has served on the Association of Schools of Public Health (ASPH) Diversity Committee, the ASPH-Indian Health Service Taskforce, and the ASPH/AAMC Expert Panel on Cultural Competence. He also serves as faculty advisor to American Indian and Alaskan Native students and established and directed the Life Sciences Comprehensive Enrichment Program for pre-college American Indian/Alaskan Native students at The University of Iowa. He assisted in the establishment of the Iowa First Nations Program that provides resident tuition status for members of American Indian Tribes/Nations historically linked to the State of Iowa. He is an advisor to the Historical Preservation Project of the Meskwaki Nation of Iowa, served on the Iowa Governor's Equal Employment Opportunities Task Force, and has served three terms on the Iowa Advisory Committee of the United States Commission on Civil Rights. In 2008, Dr. Coulter was appointed to the Iowa Commission on Native American Affairs, State Department of Human Rights. In 2011, he began service to the Governance Board of the Heartland Regional Health Equity Council of the National Partnership for Action (NPA) to End Health Disparities of the Office of Minority Health, U.S. Department of Health and Human Services.

B. Positions

1975-78	Assistant Professor, Department of Physiology & Biophysics and Department of Psychiatry & Behavioral Sciences, University of Texas Medical Branch, Galveston, Texas
1975-85	Member, Marine Biomedical Institute, Galveston, Texas
1978-84	Associate Professor, Department of Physiology & Biophysics and Department of Psychiatry & Behavioral Sciences, University of Texas Medical Branch
1980-81	Associate Program Director, Behavioral & Neural Sciences Division, National Science Foundation, Washington, D.C.
1983-85	Assistant, Office of the Associate Dean for Community Affairs, University of Texas Medical Branch
1984-85	Professor, Department of Physiology & Biophysics and Department of Psychiatry & Behavioral Sciences, University of Texas Medical Branch
1985-92	Head, Department of Anatomy, College of Medicine, The University of Iowa, Iowa City, Iowa
1988-96	Chair, Neuroscience Graduate Program, Graduate College, The University of Iowa
1996-99	Interim Associate Provost for Diversity and Director, Opportunity at Iowa, Office of the Provost, The University of Iowa
1999-04	Associate Provost for Diversity and Director, Opportunity at Iowa, Office of the Provost, The University of Iowa
1993-04	Coordinator/Liaison, American Indians & Alaskan Natives. Opportunity at Iowa, Office of the Provost, The University of Iowa
2004-08	Associate Dean for Diversity, College of Public Health, The University of Iowa
1985-2015	Professor, Department of Anatomy and Cell Biology, College of Medicine, The University of Iowa
1994-2015	Participating Faculty, American Indian and Native Studies Program, College of Liberal Arts and Sciences, The University of Iowa
2004-15	Professor, Community and Behavioral Health, College of Public Health, The University of Iowa
2015-	Professor Emeritus, Community and Behavioral Health, College of Public Health, Anatomy and Cell Biology, Carver College of Medicine, The University of Iowa

Honors (Selected)

1996	Association of American Medical Colleges, Council of Academic Societies	Elected Officer/Distinguished Service Member
1999-04	Explorations in Biomedicine: Native American Issues In Science Education and Research, American Physiological Society, Montana State University	Faculty Scientist
2001	Association of Neuroscience Departments and Programs	Elected Officer/Distinguished Service Member

Federal Review/Advisory Committees: (From a total of 30 since 1980)

2001, 2002	Member, Special Emphasis Panel, Biomedical Research Infrastructure Network, National Center for Research Resources, NIH
2002	Member, Special Emphasis Panel, Centers of Biomedical Research Excellence, National Center for Research Resources, NIH
2002-2004	Chair, Research Centers in Minority Institutions Review Committee, National Center for Research Resources, NIH
2003, 2004	Chair, Special Emphasis Panels, Centers of Biomedical Research Excellence, National Center for Research Resources, NIH
2003	Member, Special Emphasis Panel, Pre-doctoral Awards for Minority Students and Students with Disabilities, NIH Center for Scientific Review
2004	Member, Committee of Visitors, evaluation of Tribal Colleges and Universities Program, National Science Foundation
2005	Member (Ad hoc) Research Centers in Minority Institutions Review Committee, National Center for Research Resources, NIH
2005	Member, Broadening Participation in Computing Review Panel, National Science Foundation

2006	Member, Special Emphasis Panel, Pre-doctoral Awards for Minority Students and Students with Disabilities, NIH Center for Scientific Review
2008	Member, Special Emphasis Panel, Clinical and Translational Science Awards, National Center for Research Resources, NIH
2008	Member, Research Centers in Minority Institutions and IDeA Review Committee, National Center for Research Resources, NIH
2009	Member, Community-Based Participatory Research, Panel 2, National Center for Minority Health and Health Disparities, NIH
2012	Member, Healthcare Safety and Quality Improvement Research (HSQR) Study Section, Agency for Healthcare Research and Quality
2012	Member, Transdisciplinary Collaborative Centers for Health Disparities Research Review Panel, National Institute for Minority Health and Health Disparities
2014	Member, Deliberative Approaches: Patient and Consumer Input for Implementing Evidence-Based Health Care Review Panel, Agency for Healthcare Research and Quality
2015	Member, Advancing Health Disparities Interventions Through Community-Based Participatory Research Review Panel, National Institute for Minority Health and Health Disparities

C. Contribution to Science

Selected peer-reviewed publications from a total of 79 (in chronological order):

- a. Jones EG, Coulter JD, Hendry SHC. Intracortical connectivity of architectonic fields in the somatic sensory, motor and parietal cortex of monkeys. *J Comp Neurol*, 181: 291-348, 1978.
- b. Westlund KN, Coulter JD. Descending projections of the locus coeruleus and subcoeruleus/medial parabrachial nuclei in monkey: axonal transport studies and dopamine-B-hydroxylase immunocytochemistry. *Brain Res Rev*, 2:235-264, 1980.
- c. Fabian, R.H. and Coulter, J.D. Transneuronal transport of lectins. 1985. *Brain Res.*, 344:41-48
- d. Ritchie, T.C., Fabian, R.H. and Coulter, J.D. 1985. Axonal transport of antibodies to subcellular and protein fractions of rat brain. *Brain Res.*, 343:252-261
- e. Ritchie, T.C., Fabian, R.H., Choate, J.V.A. and Coulter, J.D. 1986. Axonal transport of monoclonal antibodies. *J. Neurosci.*, 6:1177-11
- f. Ritchie, T.C., Thomas, M.A. and Coulter, J.D. 1989. A nerve terminal protein with a selective distribution in spinal cord and brain. *J. Neurosci.*, 9:2697-2709
- g. Coulter JD, Tallchief V, Artzberger J, Bliss J, Landis K, Mullins J, Pautler N, Improving Partnerships for Tribal Preparedness. ASPH/CDC Tribal Preparedness Collaboration Group. 1-37, 2006-07. Retrieved from:<http://preparedness.asph.org/perlc/documents/Tribal07-FINAL.pdf>

Selected Invited Talks/Presentations (From a total of 56):

- Making a Difference: Culture, Science and Community.* Banquet Presentation. NIGMS National Minority Research Symposium, New Orleans, Louisiana. October, 1997.
- Achieving Racial/Ethnic Diversity in Biomedical/Behavioral/Social Science Research.* Panel 1. *Progress in Recruiting, Retaining, and Graduating Underrepresented Minorities on Regular NRSA Institutional Training Grants.* Panel 2. Panelist and Presenter. National Institute of Mental Health Workshop on Minority Training Programs. Washington, D. C., October 1999.
- Inextricable Links: The Convergence of Diversity and Academics in Higher Education.* Panel Presenter. The College Board Midwestern Regional Meeting, Chicago, Illinois, September, 2001
- Community-Based Participatory Research with Tribal Communities.* Featured Presentation. Montana INBRE Research Conference, Red Lodge, Montana. September 2005.
- Tribal Community-University Partnerships for Health.* Presentation. Asthma Education Conference for Tribal Health Officers of the Northern Plains. Rapid City, South Dakota, April, 2006
- Healthy Smiles Study: Community-Based Participatory Research on Oral Health of Northern Plains Indian Children.* Presentation, Blackfeet Community College, Browning, Montana, July, 2008
- Native Community Health: Health Disparities in Northern Plains Tribal Communities* Northern Plains Native American Research Center for Health Summit, Rapid City, South Dakota, August 2013

D. Research Support

Ongoing Research Support

Completed Research Support (since 2004)

RFA-MD-05-004 (Lefthand)
NIH/NCMHD

10/01/08-09/30/12

Building Research Infrastructure for the Crow Community (BRICC).

The NIH Research Infrastructure in Minority Institutions (RIMI) program at Little Big Horn College builds on the campus commitment to the professional, vocational and personal development of Crow Indian students in both higher education and the workplace in the health sciences and research.

Role: Principal Investigator on sub-award/Consultant for evaluation.

Cooperative Agreement 1U48DP001902-01 (Nothwehr/Parker) 03/01/11-02/28/12
CDC/National Center for Chronic Disease Prevention and Health Promotion
University of Iowa Prevention Research Center for Rural Health.

The focus of the PRC-RH is to improve the health of rural communities in Iowa and the Midwest through participatory research. The research themes are nutrition, physical activity, and aging. These are in line with the health priorities identified by state and local entities. The PRC-RH conducts these activities and outcomes consistent with the CDC Prevention Research Center Program logic model.

Role: Co-Investigator.

1 R24 MD001658-01 (Robertson/Jaiyeola)
NIH/NCMHD

9/30/2005–6/30/2010

Using CBPR to Improve Oral Health in Northern Plains Indian Children.

The overall objective is to plan and develop appropriate interventions to improve oral health in Northern Plains (South Dakota) Indian Children using a community based participatory research (CBPR) approach.

Role: Principal Investigator on sub-award.

RFA-RM-O7-002 (Hunninghake/Rosenthal)
NIH/NCRR

09/01/2007-08/31/2010

University of Iowa Clinical and Translational Science Program.

For the Community Engagement component, establishing working relations in clinical research in partnership with Federally Qualified Community Health Centers has been a priority, including developing qualifications for Federal Wide Assurances, training in human subjects' research, HIPAA, and Institutional Review Boards approvals.

Role: Co-Investigator for Community Engagement.

1 R13 HS016435-01 (Osterberg)
AHRQ

06/01/2006-05/31/2007

Asthma Education Conference for Tribal Health Officers Serving the Aberdeen Area.

The project conducted a regional conference on asthma designed to inform representatives of Northern Plains tribal health agencies about the current state of knowledge, research and treatment of asthma, its potential environmental triggers, prevention strategies, and environmental improvement measures.

Role: Co-Investigator.

U90/CCU724262-01 (Atchison)

09/01/2004-08/31/2009

Centers for Disease Control and Prevention (CDC)

Upper Midwest Center for Public Health Preparedness.

The Center's objective is training of the public health workforce, including tribal health personnel and emergency responders, to respond to bioterrorism and other public health emergencies.

Role: Co-Investigator for tribal preparedness (2004-2008).