

Donna Lynne Cragle

PERSONAL INFORMATION:

Address: OAK RIDGE ASSOCIATED UNIVERSITIES  
Oak Ridge Institute for Science and Education  
Center for Epidemiologic Research, MS-45  
P. O. Box 117  
Oak Ridge, TN 37831

Phone: (865) 576-2866 FAX: (865) 576-9557

e-mail: Donna.Cragle@orau.org

Born: October 14, 1952, Ft. Knox, KY

ACADEMIC EXPERIENCE:

1970 Oak Ridge High School, Oak Ridge, TN

1970 Summer School; Virginia Polytechnic Institute and State University, Blacksburg, VA

1974 B.A., Biological Sciences, Indiana University, Bloomington, IN

1978 M.S., Human Genetics, Medical College of Virginia, Virginia Commonwealth University, Richmond, VA

1979 Summer School; 14th Graduate Session in Epidemiology, University of Minnesota, Minneapolis, MN

1984 Ph.D., Environmental Epidemiology, Department of Epidemiology, School of Public Health, University of North Carolina, Chapel Hill, NC

JOB EXPERIENCE:

January 2005-Present: Vice President and Director of Occupational Exposure and Worker Health, Oak Ridge Associated Universities, Oak Ridge, TN

January 1998-Present:

Director of Occupational Exposure and Worker Health Program, Oak Ridge Associated Universities, Oak Ridge, TN

March 1991-December 1998:

Director of the Center for Epidemiologic Research, and Epidemiology Research Section Leader, Oak Ridge Associated Universities, Oak Ridge, TN

January 1986-February 1991:

Deputy Director of the Center for Epidemiologic Research, and Epidemiology Research Section Leader, Oak Ridge Associated Universities, Oak Ridge, TN

January 1983-December 1985:

Epidemiology Research Section Leader, Oak Ridge Associated Universities, Center for Epidemiologic Research, Oak Ridge, TN

August 1981-December 1982:

Epidemiologist, Oak Ridge Associated Universities, Center for Epidemiologic Research, Oak Ridge, TN

August 1979-June 1980:

Teaching assistant, Department of Epidemiology, University of North Carolina, Chapel Hill, NC

September 1977-August 1981 (part time-20 hrs/wk):

Medical laboratory technologist, Blood Bank, North Carolina Memorial Hospital, Chapel Hill, NC

October 1976-August 1977:

Laboratory Specialist in genotyping laboratory, Department of Human Genetics, Medical College of Virginia, Richmond, VA

January 1975-October 1976 (part time-20 to 30 hrs/wk):

Laboratory specialist, Department of Clinical Pathology, Chemistry Division, Medical College of Virginia, Richmond, VA

January 1974-August 1974 (part time-30 hrs/wk):

Laboratory assistant to Dr. Howard Gest, Department of Microbiology, Indiana University, Bloomington, IN

#### COMMITTEES AND SPECIAL ACTIVITIES:

April 2006-present:

Board Member of the Beryllium Health and Safety Committee and Chair of the Epidemiology subsection of this committee. Member of NNSA Blue Ribbon Advisory Committee on Beryllium.

August 1981-December 1992:

Member of the Oak Ridge Associated Universities/University of North Carolina Research Planning Group to plan and approve ongoing and new projects in the Health and Mortality Study of Department of Energy Workers.

January 1983-December 1986:

Consultant to the Coal Employment Project, Oak Ridge, TN, in a study of reproductive outcomes in female coal miners.

1982, 1983, 1984:

Recipient of Department of Health and Human Services/Public Health Service Minority High School Student Research Apprentice Program Grant to expose minority high school students to health research through supervision of summer research projects.

1984-1985:

Member of a panel to produce document, "A Panel's Review and Findings of Ongoing Health Effects and Epidemiological Studies of Operations at the Savannah River Plant, Aiken, SC."

1985-1990:

Member of an international scientific steering committee (Chairman, Sir Richard Doll, UK) to determine whether exposure to specific forms of nickel significantly increases the risk of developing cancer. Sponsored by the U.S. Environmental Protection Agency and various European Agencies.

May 6-7, 1987:

Faculty member for a course entitled "Basic Concepts of Radiation for Attorneys," taught to the Department of Justice Radiation Defense Attorneys. Washington, D.C.

June 11-18, 1987:

Faculty member for the Taiwan Power Company sponsored seminar "Conference on Risk Assessment, Preventive Analysis and Emergency Preparedness." Taipei, Taiwan.

June 29-July 1, 1987, and January 6-8, 1993:

Faculty member for a course entitled "Basic Concepts of Radiation for Attorneys," taught at the Radiation Emergency Assistance Center/Training Site of Oak Ridge Associated Universities. Oak Ridge, Tennessee.

January 1995 – January 2004:

Member of a Project Research Team (PRT) for the U.S. Department of Energy's Office of International Health Studies. The PRT is working with researchers in Chelyabinsk, Russia on studies of the health effects of working at and living in the vicinity of the Mayak plutonium processing facility in that region.

#### PUBLICATIONS:

Cragle DL, JI Townsend, MJV Smith, and WE Nance. 1977. A method for weighting to estimate gene frequencies in inbred populations. Virginia Journal of Science 28:101 (Abstract).

Cragle DL, DR Hollis, CM Shy, and TH Newport. 1984. A retrospective cohort mortality study among workers occupationally exposed to metallic nickel powder at the Oak Ridge Gaseous Diffusion Plant. In Symposium on Nickel in the Human Environment, International Agency for Research on Cancer, Lyon, France. IARC Publications No. 53, pp 57-64.

Cragle DL, DR Hollis, JR Qualters, WG Tankersley, and SA Fry. 1984. A mortality study of men exposed to elemental mercury. Journal of Occupational Medicine 26:817-821.

Cragle DL, CM Shy, RJ Struba, and EJ Siff. 1985. A case-control study of colon cancer and water chlorination in North Carolina. In Proceedings of the 5th Conference on Water Chlorination: Environmental Impact and Health Effects, pp. 153-159. Published by Lewis Publishers, Inc., Chelsea, Michigan.

Dupree EA, DL Cragle, R McLain, and MJ Teta. 1987. Mortality among workers at a Uranium processing facility: Linde Air Products Company Ceramics Plant, 1943-1949. Scandinavian Journal of Work, Environment & Health 13:100-107.

Checkoway H, NE Pearce, DJ Crawford-Brown, and DL Cragle. 1988. Radiation doses and cause-specific mortality among workers at a nuclear materials fabrication plant. American Journal of Epidemiology 127:255-266.

Cragle DL, RW McLain, JR Qualters, JLS Hickey, GS Wilkinson, WG Tankersley, and CC Lushbaugh. 1988. Mortality among workers at a nuclear fuels production facility. American Journal of Industrial Medicine 14:379-401.

Gilbert ES, SA Fry, LD Wiggs, GL Voelz, DL Cragle, and GR Petersen. 1989. Analyses of combined data on workers at the Hanford Site, Oak Ridge National Laboratory, and Rocky Flats Nuclear Weapons Plants. Radiation Research 120:19-35.

Frome EL, DL Cragle, and RW McLain. 1990. Poisson regression analysis of the mortality among a cohort of World War II nuclear industry workers. Radiation Research 123:138-152.

Gilbert ES, SA Fry, LD Wiggs, GL Voelz, DL Cragle, and GR Petersen. 1990. Methods for analyzing combined data from studies of workers exposed to low doses of radiation. American Journal of Epidemiology 131:917-927.

Wing S, CM Shy, JL Wood, S Wolf, DL Cragle, and EL Frome. 1991. Mortality among workers at Oak Ridge National Laboratory: Evidence of radiation effects in follow-up through 1984. Journal of the American Medical Association 265:1397-1402.

Cragle DL and AM Fetcher. 1992. Risk factors associated with the classification of unspecified and/or unexplained causes of death in an occupational cohort. American Journal of Public Health 82:455-457.

Cragle DL, SM Wells, and WG Tankersley. 1992. A morbidity study of workers potentially exposed to epoxy resins, hardeners, and solvents. Journal of Applied Occupational and Environmental Hygiene 7:826-834.

Wing S, CM Shy, JL Wood, S Wolf, DL Cragle, W Tankersley, and EL Frome. 1993. Job factors, radiation and cancer mortality at Oak Ridge National Laboratory: Follow-up through 1984. American Journal of Industrial Medicine 23:265-279.

Gilbert, ES,DL Cragle, and LD Wiggs. 1993. Updated analyses of combined mortality data on workers at the Hanford Site, Oak Ridge National Laboratory, and Rocky Flats Weapons Plant. Radiation Research 136:408-421.

Watkins, JP, DL Cragle, EL Frome, JL Reagan, CM West, D Crawford-Brown, and WG Tankersley. 1997. Collection, validation, and treatment of data for a mortality study of nuclear industry workers. Applied Occupational and Environmental Hygiene 12:195-205.

Frome, EL, DL Cragle, JP Watkins, S Wing, C Shy, WG Tankersley, and CM West. 1997. A mortality study of employees of the nuclear industry in Oak Ridge, Tennessee. Radiation Research 148:64-80.

Cragle, DL, JP Watkins, and K Robertson-DeMers. 1999. Mortality among workers at the Savannah River Nuclear Fuels Production Facility. American Statistical Association, 1998

Proceedings of the Section on Statistics in Epidemiology, pp 83-87.

Letz, R, F Gerr, D Cragle, RC Green, J Watkins, and AT Fidler. 2000. Residual neurologic deficits 30 years after occupational exposure to elemental mercury. NeuroToxicology 21(4):459-474.

Frome, EL, LS Newman, DL Cragle, SP Colyer, and PF Wambach. 2003. Identification of an abnormal beryllium lymphocyte proliferation test. Toxicology, 183:39-56.

Watkins, JP, EL Frome, DL Cragle. 2005. "Age-based methods to explore time-related variables in occupational epidemiology studies." 2005 Proceedings of the American Statistical Association, Section on Statistics in Epidemiology [CD-ROM], Alexandria, VA: American Statistical Association: 2652-2657.

Van Dyke, MV, JQ Martyny, MM Mroz, LJ Silveira, M Strand, DL Cragle, SM Wells, LS Newman, and LA Maier. 2011. Exposure and genetics increase risk of beryllium sensitization and chronic beryllium disease in the nuclear weapons industry. Occupational and Environmental Medicine. 68:842-848.

#### CHAPTERS, REVIEW ARTICLES AND OTHER PUBLICATIONS:

Cragle DL. 1978. Masters thesis, Virginia Commonwealth University, Medical College of Virginia, Department of Human Genetics. Richmond, VA. A method for weighting to estimate gene frequencies in inbred populations.

Fry SA, DL Cragle, JR Qualters, and CC Lushbaugh. Feasibility of a mortality study of workers at nuclear power plants. EPRI Proj. RP2088-1, November 1983.

Cragle DL. 1984. Ph.D. dissertation, University of North Carolina, School of Public Health, Department of Epidemiology, Chapel Hill, NC. The effects of genetic and environmental interaction in an epidemiologic investigation of colon cancer and water quality.

Fry SA, CC Lushbaugh, CM Shy, DL Cragle, H Checkoway, SB Blum, AV Carpenter, EA Dupree, EL Frome, PG Groer, and J Wilson. 1985. The US Department of Energy health and mortality study: the Oak Ridge studies. In: Epidemiological Studies of Some Populations Exposed to Ionizing Radiation, (Weeks, JL, Compiler), pp. 18-40, Atomic Energy of Canada Limited, Pinawa, Manitoba, AECL-8360.

Flanders WD, DL Cragle, and JW McClanahan. 1985. Evaluation of non-worker residents as a comparison group in occupational studies of Oak Ridge workers. Oak Ridge Associated Universities Technical Report (ORAU-241).

Fry SA, AV Carpenter, DL Cragle, EA Dupree, PG Groer, CC Lushbaugh, H Checkoway, DJ Crawford-Brown, CM Shy, JE Watson, and EL Frome. 1988. Studies of mortality among populations of US nuclear industry workers. In Health effects of low dose ionizing radiation.

BNES, London, Paper 14, pp.77-80.

Doll R, A Andersen, WC Cooper, I Cosmatos, DL Cragle, D Easton, P. Enterline, M Goldberg, L Metcalfe, T Norseth, J Peto, J-P Rigaut, R Roberts, SK Sielkop, H Shannon, F Speizer, FW Sunderman, Jr., P Thornhill, JS Warner, J Weglo, and M Wright. 1990. Report of the International Committee on Nickel Carcinogenesis in Man. Scandinavian Journal of Work, Environment & Health 16:1-82 (special issue).

Watkins, JP, JL Reagan, DL Cragle, EL Frome, CM West, DJ Crawford-Brown, and WG Tankersley. 1993. Data collection, validation, and description for the Oak Ridge nuclear facilities mortality study. Oak Ridge Institute for Science and Education technical report 93/J-42.

Watkins, JP, DL Cragle, EL Frome, CM West, DJ Crawford-Brown, and WG Tankersley. 1994. Adjusting external doses from the ORNL and Y-12 Facilities for the Oak Ridge Nuclear Facilities Mortality Study. Supplemental Report to ORISE 93/J-42. Oak Ridge Institute for Science and Education technical report 94/G-34.

Fry, SA, DL Cragle, DJ Crawford-Brown, EA Dupree, EL Frome, ES Gilbert, GR Petersen, CM Shy, WG Tankersley, GL Voelz, PW Wallace, JP Watkins, JE Watson Jr, and LD Wiggs. 1995. Health and mortality among contractor employees at U.S. Department of Energy facilities. IN: Radiation and Public Perception: Benefits and risks, edited by Jack P. Young and Rosalyn S. Yalow. American Chemical Society. pp.239-258.

#### COLLEGE LEVEL COURSES TAUGHT:

1993, 1994, 1995, 1996: General Genetics, Pellissippi State Technical Community College

1993, 1995: Introduction to Biology, Pellissippi State Technical Community College