

**DONALD BRUCE McCORMICK, Ph.D.**  
**Fuller E. Callaway Professor of Biochemistry**  
**Emory University School of Medicine**  
**Atlanta, GA 30322-3050**

**Education**

- 1953 B.A., Vanderbilt University. Major: chemistry; Minor: mathematics  
1958 Ph.D., Vanderbilt University. Thesis (under direction of Dr. Oscar Touster): Glucuronate, pentitol, and xylulose metabolism; USPHS (NIH) Predoctoral Fellow  
1959-60 USPHS Postdoctoral Research Fellow with Dr. Edmond E. Snell, University of California, Berkeley; Vitamin B<sub>6</sub> metabolism and pyridoxal kinases

**Professional Positions**

- 1958 (Summer) Consultant Biochemist, Committee on Nutrition for National Defense  
1960 Assistant Professor, Graduate School of Nutrition (now the Division of Nutritional Sciences), Cornell University, Ithaca, NY  
1963 (Summer) Visiting Lecturer in Biochemistry, Department of Chemistry, Division of Biochemistry, University of Illinois, Urbana  
1963 Associate Professor, Graduate School of Nutrition and the Section of Biochemistry, Molecular and Cell Biology, Division of Biological Sciences, Cornell University  
1969-78 Professor, Graduate School of Nutrition, Section of Biochemistry, Molecular and Cell Biology, Cornell University  
1978 Liberty Hyde Bailey Professor of Nutritional Biochemistry, Cornell University  
1979-94 Chairman, Department of Biochemistry, Emory, and (concurrently, 1985-1989): Executive Associate Dean for Science, Emory School of Medicine  
1979-1997 Fuller E. Callaway Professor, Department of Biochemistry, Emory University  
1997-present Emeritus

**Awards/Honors**

- 1966 Elected Fellow: American Association for the Advancement of Science  
1966-67 Guggenheim Memorial Foundation Fellowship (sabbatic) to Institute for Inorganic Chemistry, University of Basel, Switzerland, and Biochemistry Department, Agricultural University, Wageningen, The Netherlands  
1967 Erwin Brand Travel Award from the American Society of Biological Chemists  
1970 Mead Johnson Award, American Institute of Nutrition  
1978 Osborne and Mendel Award, American Institute of Nutrition.  
1975 Six months sabbatic: Chemistry Department, University of Arizona, Tucson  
1986 Wellcome Visiting Professor in Basic Medical Sciences at University of Florida  
1989 Wellcome Visiting Professor, Medical College of Pennsylvania  
1989 Award for Excellence, Georgia Nutrition Council  
1992 Lucille S. Hurley Lecturer, University of California, Davis  
1993 Boyd O'Dell Lecturer, University of Missouri, Columbia  
1999 Bristol-Myers Squibb/ Mead Johnson Award for Distinguished Achievement in Nutrition Research  
2000 Elected ASNS Fellow in 2000.  
2005 Named in "Top 100 Scientists" by International Biographical Centre, Cambridge

### **Professional Societies**

American Association for the Advancement of Science (Fellow), American Chemical Society (Division of Biological Chemistry), American Institute of Biological Sciences, American Institute of Chemists (Fellow), American Institute of Nutrition (President, 1991), American Society for Biochemistry and Molecular Biology, American Society for Clinical Nutrition, American Society for Microbiology, American Society for Photobiology, Biophysical Society, NIH Alumni Association, New York Academy of Sciences, Protein Society, Sigma Xi, Society for Experimental Biology and Medicine

### **Research Interests**

Cofactors with emphases on chemistry, biochemistry, and nutrition of vitamins, coenzymes, and metal ions

### **Editorial Board Service (present/past)**

*Analytical Biochemistry; Archives of Biochemistry and Biophysics; Cancer Prevention; Enzyme Communications; Journal of National Cancer Institute; Editorial Committee and Biographical Editor for Journal of Nutrition; Journal of Nutrition, Growth and Cancer; Monatshefte fur Chemie; Proceedings of the Society for Experimental Biology in Medicine; Nutrition Reviews (Contributing Editor); Editorial Advisory Committee, Associate Editor and Editor for Annual Review of Nutrition; Editor for Vitamins and Coenzymes (Methods in Enzymology); Editor for Vitamins and Hormones; Editorial Advisory Committee for Encyclopedia of Dietary supplements*

### **Other Professional Service**

- 1977-81 Member/Chairman, NIH Nutrition Study Section  
1982 USDA Grant Review Panel  
1983 National Institute of Aging Small Grants Review Panel  
1985-87 NIH Chemical (Metabolic) Pathology Study Section  
1988-92 Member, NCI Board of Scientific Counselors, Cancer Prevention and Control  
1980-85 Member/Chairman, Scientific Advisory Committee to Life Sciences Research Office (FASEB)  
Member, Executive Committee, Association of Medical School Departments of Biochemistry  
Representative from Medical Biochemistry Departments to Council of Academic Societies of Association of American Medical Colleges  
Member, Executive Committee, Georgia Nutrition Council  
Consultant and Distinguished Lecturer, Clinical Nutrition Research Unit, Medical College of Georgia  
1969, 1984 Member, Organizing Committee, IIIrd, VIIIth, IXth (Chairman), Xth International  
1987, 1990 Symposia on Flavins and Flavoproteins Enzymes  
1987, 1989 Member, Organizing Committee, VIIth International Congress on Chemistry and Biology, Aspects of Vitamin B<sub>6</sub> Catalysis; Xth Meeting of Vitamin B<sub>6</sub> and Carbonyl Catalysis, etc.  
1985-91 Co-Chairman, Committee on Diet and Health (NRC, IOM/NAS)  
1987-91 Member/Vice-Chairman, Food and Nutrition Board (IOM/NAS)  
1991-92 Ex-officio Member, U.S. National Committee of the International Union of Nutritional Scientists  
1989-95 Member, Organizing Committee, IInd International Congress on Vitamins and Biofactors in Life Science  
Member/Chairman, FASEB LSRO Committee  
1990 Member, Dietary Guidelines Implementation Committee (NRC, NAS)

- 1990,1999 Member, Organizing Committee, VIIIth International Symposium on Vitamin B<sub>6</sub> and Carbonyl Catalysis
- 1990-99 NASA Nutrition Advisory Committee
- 1992-95 Member, FASEB, representing A.I.N.
- 1988-91 Scientific Evaluation Panel, Pew Foundation National Nutrition Program Endowment
- 1991 Scientific Evaluation Panel, Heinz Endowment
- 1996-97 Panelist/Reviewer, U.S. Civilian Research and Development Foundation
- 1996-97 Member, Food and Nutrition Board Panel: Folate and Other B Vitamins
- 1998-99 Chairman, Joint FAO/WHO Expert Consultation on Human Vitamin and Mineral Requirements.
- 1999 Subchair, Review Committee on scientific programs, CFSAN/FDA
- 2001 Member, Technical Consultation, Pan Amer. Health Org., Fortification
- 2002 Discussant, B-Vitamins and dietary Beef --- Future Research Directions, NCBA
- 2001- 05 Consultant, Gambro/Navigant

### **Cornell University Committee Service (1960-1979)**

- Member, New York State College of Agriculture and Life Sciences Policy Committee, Division of Biological Sciences Nominating Committee
- Member, Division of Nutritional Sciences Director Search; Executive, Membership, Appointments and Tenure, and Curricula Committees
- Member, Chairman Search, Section of Biochemistry, Molecular and Cell Biology; Appointments and Tenure, Admissions, Seminar, and Curricula Committees
- Secretary, American Chemical Society
- Secretary, Vice-President, Sigma Xi

### **Cornell University Teaching Duties**

General lectures in biochemistry; nutritional biochemistry courses; advanced lectures in vitamins and coenzymes; undergraduate Honors research course. Training of students for MS and PhD degrees in both biochemistry and nutrition. Major and minor advisor to graduate and undergraduate students from College of Arts and Sciences and New York State Colleges of Agriculture and Life Sciences and Human Ecology at Cornell

### **Emory University Committee Service (from August, 1979)**

- Member, Faculty Advisory Council
- Member, Council of Chairs
- Member, Medical Executive Committee of the Medical School
- Member, Nutrition Steering Committee
- Member, Clinical Research Facility Advisory Committee
- Member, Committee for Biomedical Research Support
- Member, University Council on Biosciences
- Member, Life Sciences Building Advisory Committee
- Member, Executive Committee of the Graduate School
- Member, Search Committees: Chairman of Dept. of Medicine, Dean of Medical School, and Vice President for Medical Center
- Member, Advisory Committee for Cancer Center
- Chair, Search Committee, Woodruff Professor of Molecular Genetics
- Member, Advisory Committee and Chairman, Research Committee for Emory Emeritus College

### **Emory University Teaching Duties**

General lectures and laboratory in biochemistry both for service (Dental, Medical, Physician Associate) and graduate courses. Coverage includes vitamins and coenzymes, metal ions, enzymes, metabolism, and nutrition. Also lectured in Center for Lifelong Learning.

### **Listed in:**

*Who's Who in the World; Who's Who in America; Who's Who in the East; Who's Who in Georgia; Who's Who in Education; Who's Who in Technology Today; Dictionary of International Biography; Leaders in American Science; American Men and Women of Science*

### **Early Education and Achievements**

1932 Born in Front Royal, VA (July 15)  
Attended junior and senior high schools in Oak Ridge, TN; additional training at  
Oak Ridge Institute for Nuclear Studies

1947 First Prize, Tennessee Academy of Science  
Bausch and Lomb Award  
Named Honorary Member, American Association for the Advancement of Science

1950 Winner, National Westinghouse Science Talent Search

### **Personal**

1955 Married: Norma Jean (Dunn)  
Children: Susan Lynn, Donald Bruce Jr., Michael Allen  
Address: 2245 Deer Ridge Drive, Stone Mountain, GA 30087 and  
581 Mountain View Dr. (P.O. Box 81), Scaly Mt., NC 28775