

## Curriculum Vitae

**Charles A. O'Brien**

Professor of Medicine and VA Research Scientist  
University of Arkansas for Medical Sciences, Little Rock, AR, USA

**Education**

- 1990 Ph.D., University of Oklahoma Health Science Center, Oklahoma City, Oklahoma (Microbiology and Immunology)
- 1984 B.S., University of Oklahoma, Norman Oklahoma (Microbiology)

**Professional Experience**

- 2009–Present VA Research Scientist, Central Arkansas Veterans Healthcare System
- 2007–Present Professor, Division of Endocrinology, University of Arkansas for Medical Sciences (with tenure)
- 2004–2021 Director, University of Arkansas for Medical Sciences Transgenic Mouse Facility
- 2001–2007 Research Associate Professor, Division of Endocrinology, University of Arkansas for Medical Sciences
- 1995–2001 Research Assistant Professor, Division of Endocrinology, University of Arkansas for Medical Sciences
- 1994–1995 Instructor in the Division of Endocrinology, University of Arkansas for Medical Sciences
- 1991–1994 Postdoctoral fellow at Yale University in the laboratory of Sandra L. Wolin, Department of Cell Biology
- 1986–1990 Ph.D. student at Oklahoma University in the laboratory of John B. Harley, Department of Microbiology and Immunology
- 1984–1986 Research Assistant, Arthritis and Immunology Program, Oklahoma Medical Research Foundation, Oklahoma City, Oklahoma

**Research Interests**

1. Osteocyte control of bone remodeling
2. Mechanisms controlling age-associated bone loss
3. Glucocorticoid-induced bone loss

**Publications**

1. Kim, H.N., Xiong, J., Macleod, R.S., Iyer, S., Fujiwara, Y., Cawley, K.M., Han, L., He, Y., Thostenson, J.D., Ferreira, E., Jilka, R.L., Zhou, D., Almeida, M., and C.A. O'Brien. Osteocyte RANKL is required for cortical bone loss with age and is induced by senescence. JCI Insight, Oct 2;5(19):138815, 2020. PMID: PMC7566701