

Biographical Sketch

Professor Bruce Eaton

Professor Bruce Eaton has had a career in both academia and industry. He moved to CU from NCSU in 2005. At NCSU he helped establish the Keck Center for RNA Mediated Evolution of Materials. He moved to NCSU in 2000 from Washington State University where he was a tenured Associate Professor research active in both the Department of Chemistry and Biochemistry. He received his B.S. degrees (Chemistry (Honors) and Biology 1980) and M.S. degree (Chemistry 1981) from the University of Oregon where he began his research career working with National Academy of Science member Virgil Boekelheide. He obtained his Ph.D. degree (Chemistry 1988) from the University of California, Berkeley working with Professor Peter Vollhardt on mechanistic organometallic chemistry.

Professor Eaton has also served in a variety of roles in industry leading to new technologies and commercial products. From the period 1981 to 1983 he was a research associate at Hana Biologics in Emeryville, CA. where he was involved in the development and product launch of an antibody based diagnostic test for fetal lung maturity. From the period 1986 to 1989 he was a senior scientist with Amoco Central Research in Naperville, IL where his first issued US patent became an important commercial polymer product. From the period of 1994 – 1999 Professor Eaton directed the efforts of over 50 scientists and managed the group responsible for the production of the first successful aptamer IND, NX1838 now known as MacugenTM (Eyetechnology, Pharmaceuticals), for age-related macular degeneration. Professor Eaton named as inventor on more than 30 issued patents relating to diverse topics in polymer science, organometallic catalysis and nucleic acid invitro selection. Since 1994 he has given over 50 invited seminars mostly in the US and Europe.