

Kent D. Chapman, Ph.D.

Regents Professor, Department of Biological Sciences

SUMMARY

Kent Chapman completed a B.A. degree in biology in 1986 from Lycoming College in Williamsport, PA. He then traveled Tempe, AZ, where he earned a Ph.D. degree in botany (plant cell biology) at Arizona State University under the supervision of Richard N. Trelease for studies on peroxisome membrane lipids. After completing his doctoral degree, Chapman was awarded a 2-year NSF postdoctoral fellowship to study plant biochemistry with Thomas S. Moore, Jr., at Louisiana State University in Baton Rouge, LA. In 1993, he accepted a position as a tenure-track, Assistant Professor of Biochemistry at the University of North Texas (UNT) in Denton. During the last 25 years, Chapman has developed an internationally-recognized research program in plant biochemistry and cell biology, specifically in the area of plant lipid metabolism. The Chapman lab has contributed more than 130 publications to the primary plant biology and biochemistry literature, and new ideas about the evolutionary conservation of lipid metabolism and function in eukaryotes have emerged from these efforts. With John Ohlrogge (Michigan State), Chapman proposed and chaired the inaugural Gordon Research Conference on Plant Lipids: Structure, Metabolism and Function in 2009 in Galveston TX. Chapman is co-inventor on ten patents (issued or pending), and in 2010 was recognized with an award for Outstanding Achievement in Intellectual Property at UNT. In 2010, and again in 2017, Chapman was appointed Regents Professor of Biochemistry at UNT. In January, 2014, he took leave from UNT for eighteen months to serve as Program Director at the US National Science Foundation's Division of Integrative Organismal Systems. Chapman currently serves as Director of the BioDiscovery Institute. He is Executive Editor for the journal, *Progress in Lipid Research*, and is Reviewing Editor for *The Plant Cell*.

CURRENT RESEARCH INTERESTS

- Lipid Signaling in Plants
- Compartmentalization of Neutral Lipids in Plant Cells
- Plant Lipids for Human Health and Industrial Applications
- Lipidomics in Tissues and Organelles