



The Association for Women in Mathematics
University of Kansas Student Chapter

Everyone is Invited!

Tuesday, May 6, 2014

4:15 PM

306 Snow Hall

Barbara N. Timmermann, Ph.D.

Distinguished Professor, Department of Medicinal Chemistry, KU

In Quest of Tomorrow's Medicines

Barbara N. Timmermann joined the University of Kansas faculty in August 2005 as a Distinguished Professor and Chair of the Department of Medicinal Chemistry in the School of Pharmacy following an academic career of almost 25 years at the University of Arizona. Since 2006, she is Director of the NIH/GM-funded Center for Cancer Experimental Therapeutics, a Center of Biomedical Research Excellence (COBRE). After completing a B.S. in Biology (Honors) at the National University of Cordoba, Argentina in 1970, she began graduate research at the University of Texas at Austin under the direction of Prof. Tom J. Mabry and received an M.S. in 1977 and a Ph.D. in 1980 in Botany/Phytochemistry. In 1981, she joined the faculty at the University of Arizona, ascended the professorial ranks and established a research program in plant natural products chemistry. With NIH funding, she established the Arizona Center for Phytomedicine Research for the study of botanical medicines and completed a 12-year term as the PI of the Latin American International Cooperative Biodiversity Groups (ICBG) Program. At Arizona, she was named a Regents Professor, the highest honor accorded by the University only to full professors for academic achievements that have earned them national and international acclaim. Her research is focused on the discovery and biological investigation of novel compounds with potential utility in the treatment of cancer, infectious and inflammatory diseases from plant biodiversity. Additional research focuses on the safety and efficacy of botanical dietary supplements. Her research has continuously been supported since 1983 by extramural research grants from the National Institutes of Health (NIH), the National Science Foundation (NSF), the US Department of Agriculture (USDA), US Agency for International Development (USAID), the Tinker Foundation and the John D. and Catherine T. MacArthur Foundation. She has more than 30-year history of contributions to interdisciplinary science through more than 200 original research publications in peer-reviewed scientific literature, numerous major federal and foundation grant and patent awards and national study section service chairmanships, including those organized by the National Institutes of Health and the American Association for the Advancement of Science. Professor Timmermann is also a co-editor of two proceedings volumes and 20 book chapters, and the co-author of the classic "*Sesquiterpene Lactones: Chemistry, NMR and Distribution*" which is a standard reference in pharmacy and phytochemistry research laboratories around the world and among the most cited books in the plant chemistry literature. Fluent in several languages, she speaks at national and international conferences and is often consulted by national and foreign organizations on issues related to access and conservation of biodiversity. She serves on the Editorial Board of the *Journal of Natural Products* and is a member of the Executive Committee of the American Society of Pharmacognosy. Prof. Timmermann is a member of the American Society of Pharmacognosy; the Phytochemical Society of North America; American Association for the Advancement of Science; Phytochemical Society of Europe and the American Chemical Society. She served as President of the American Society of Pharmacognosy (2012), as Chair of the Department of Medicinal Chemistry at the University of Kansas (2005-2012) and as a member of the NIH National Advisory Council for Complementary and Alternative Medicine (2001-2005). In 2000, she was elected a Fellow of the American Association for the Advancement of Science (AAAS) was named a Woman of Distinction at the University of Kansas and was recently inducted to the Woman's Hall of fame at the University of Kansas. She has shown a long-term commitment to professional pharmacy and graduate education.



Pizza will be Served.