David M. Kramer is the Hannah Distinguished Professor of Bioenergetics and Photosynthesis in the Biochemistry and Molecular Biology Department and the MSU-Department of Energy Plant Research Lab at Michigan State University. In 1990, he received his Ph.D. in Biophysics at University of Illinois, Urbana-Champaign, followed by Post-doc at the Institute de Biologie Physico-Chimique in Paris and a 15-year tenure as a faculty member at Washington State University. He took his current position at MSU in 2010. His research seeks to understand how plants convert light energy into forms usable for life, how these processes function at both molecular and physiological levels, how they are regulated and controlled in response to fluctuating environmental conditions, how they define the energy budget of plants and the ecosystem and how they might be improved to increase the efficiency and sustainability of agriculture. This work has led his research team to develop a series of novel spectroscopic tools for probing photosynthetic reactions both in vitro and in vivo. To disseminate these tools, he co-founded Phenometrics, Inc. PhotosynQ.org and the MSU Center for Advanced Algal and Plant Phenotyping.

