DR. BENILDO G. DE LOS REYES

Professor and Bayer Crop Science Chair in Plant Genomics, Plant and Soil Science

My research optimizes and fine-tunes the genome and epigenomes of plants to create the novel adaptive phenotypes for food and fiber crops of the 21st century.

RESEARCH EXPERTISE

- DNA methylation and non-coding RNAs
- OMICS science and large-data driven biology
- Epigenetic and chromatin-level regulation of cellular processes
- Genetic novelties and plant adaptation to marginal environments
- Genetic regulatory networks and adaptive evolution

PROFESSIONAL PREPARATION

- B.S. (Biology/Genetics), University of the Philippines, 1986
- M.S. (Genetics/Biochemistry), University of the Philippines, 1993
- Ph.D. (Cell and Molecular Biology), Oklahoma State University, 1999

A FAVORITE ARTICLE

de Los Reyes, B. G. (2019). Genomic and epigenomic bases of transgressive segregation–New breeding paradigm for novel plant phenotypes. *Plant Science, 288*, 110213. https://doi.org/10.1016/j.plantsci.2019.110213

"[T]he scientific works that I have published are important to me not only because they are products of my own ideas and visions and the hard works and talents of many graduate students, postdocs, and collaborators, but also because I believe that, through them, I am able to challenge traditional thinking and inspire new lines of thinking that depart from the conventions or trends."

WHAT MAKES THE DAVIS COLLEGE GREAT?

"The Davis CASNR is great because of the works of scientists, faculty and administrators in the past, who set the correct vision, strong foundation, timely priorities, and high standards to get us where we are now."