



DIPARTIMENTO DI SCIENZE E TECNOLOGIE  
AGRO-ALIMENTARI

**MERCOLEDÌ 23 OTTOBRE 2019**

**Ore 11:00 - Sala Baldoni  
Viale Fanin 44 (4° piano) – Bologna**

**il Prof. Rex Bernardo**

**Endowed Chair in Maize Breeding and Genetics at the  
University of Minnesota – USA  
ISA Fellow**

**svolgerà il seminario:**

**I'M TIRED OF GENOMEWIDE  
SELECTION, SO WHAT  
SHOULD I DO NEXT?**

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Tuberosa / Salvi / Maccaferri**

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Dr. Rex Bernardo is Professor and Endowed Chair in Maize Breeding and Genetics at the University of Minnesota in the USA. Professor Bernardo was born and raised in the Philippines, where he obtained his undergraduate degree in agriculture in 1984. In 1988, he earned his Ph.D. degree in plant breeding at the University of Illinois. He was a research scientist with Limagrain seed company in Illinois from 1988 to 1997, and a professor at Purdue University in Indiana from 1997 to 2000.

Most of Professor Bernardo's work has been on marker-assisted breeding. He was the first to use best linear unbiased prediction or BLUP in plants, and in 1994 he developed a procedure that has since become known as genomic BLUP or GBLUP, which has become very widely used in animal breeding and in breeding major crop species. His work focuses on maize but he has also collaborated on research on apple, peach, soybean, and now wheat.

Professor Bernardo received the Young Crop Scientist Award from the Crop Science Society of America in 1999; was elected Fellow of the Crop Science Society of America and of the American Society of Agronomy in 2005; received the Plant Breeding Impact Award from the National Association of Plant Breeders in 2015, and is this year's recipient of the Crop Science Research Award from the Crop Science Society of America.

At Minnesota, Professor Bernardo teaches graduate courses in plant breeding and in professional skills for scientists. He has written two textbooks, entitled "Breeding for Quantitative Traits in Plants" and "Essentials of Plant Breeding." In his leisure time Rex enjoys playing the acoustic guitar, going tandem biking and swing dancing with his wife, and spending time with their six adult F1 progeny.