



GTR
Nagoya University

“Maps, Markers and Rice Improvement”

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2026 年 9 月 15 日 (火曜日)

16:00-17:30 農学部 第8講義室

My introduction to rice was through RFLP mapping, Southern blots and linkage analysis. Though I initially knew little about rice as an organism, I understood how maps and molecular markers could be used to identify genes underlying traits of interest, validate pedigrees, define introgressions, analyze population structure, and drive marker-assisted selection in breeding. By collaborating with rice scientists from around the world, I came to appreciate rice in many dimensions, as a bridge to human history and deeply held cultural values, as a source of beauty, as an essential natural resource, as a product that provides livelihoods, promotes health & well-being and generates income, as the foundation for partnership, education, and innovation, and most importantly, as a source of inspiration. The opportunity to pursue a career as a rice researcher, to live and work in Asia, and to establish an academic program at a US university that trained a generation of rice researchers and breeders, was beyond my wildest imagination. In this talk I will share some of the high points and some of the challenges of my career and will offer a perspective on how sequencing the rice genome continues to impact the field of plant breeding.



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