Yong-Bao Pan

Name (Dr/Mr/Ms.)	Dr. Yong-Bao Pan
Designation	Research Plant Molecular Geneticist
Date of Birth	November 06, 1948
Country	USA
Affiliation (Name of Organization/Institute/University)	USDA-ARS, SEA, Sugarcane Research Laboratory
Address for correspondence	5883 USDA Road Houma, LA 70360 Phone # 985-853-3162 Cell# 985-226-9067 Email: yongbao.pan@ars.usda.gov
Educational Background/ Name of the University	Ph.D. (Genetics/Biochemistry)/Iowa State University M.S. (Plant Breeding/Agricultural Chemistry)/University of the Philippines & IRRI B.S. (Agronomy)/Nanjing Agricultural University
Affiliation with other academic societies	American Society of Sugar Cane Technologists International Society of Sugar Cane Technologists
Awards/ Honours received (only 5 recent ones, in bullet form	**Distinguished Contribution Award/IAPSIT (2014)**
Experience in sugar sector /Research (not more than 5 in bullet form)	✓ Over 20 years of sugarcane research experience ✓ Involved in every stage of conventional breeding ✓ Responsible for molecular breeding ✓ Responsible for disease molecular diagnosis ✓ Over 5 years of tissue culture and transformation
Major research achievements (not more than 7 in bullet form)	✓ Contributed to the breeding and release of four sugar (HoCP 96-540, HoCP 95-988, Ho 00-950, HoCP04-838) and three energy cane cultivars ✓ Developed original PCR protocols for the diagnosis of sugarcane leaf scald and ratoon stunting diseases ✓ Developed genus- and species-specific DNA markers for the identification and selection of intergenic or interspecific sugarcane hybrids ✓ Developed a high throughput SSR genotyping technology based on fluorescence and capillary electrophoresis and the first sugarcane molecular identity database ✓ Developed *de novo* inter-specific hybrids with a *S. spontaneum* cytoplasm and one of which, Ho 02-113, is the first energy cane cultivar with a *S. spontaneum* cytoplasm ✓ Developed original tools for single pollen collection and PCR genotyping with DNA markers ✓ Developed a genetic linkage map based on a genetically verified LCP 85-384 self mapping population
Important Books/Monographs published (only 5 in bullet form)	None
Any Other important achievement (not more than two in bullet form)	Hosted and mentored 13 visiting sugarcane researchers from China (9), India (1), and Pakistan (3).