

January 2017

USDA-ARS
Dale Bumpers National Rice Research Center Highlights
Stuttgart, Arkansas

For More Information: Dr. Anna McClung, Research Leader/Center Director
anna.mcclung@ars.usda.gov

1. Recently Accepted Publications

2. Technology Transfer

a. Formal Events:

To Non-research Stakeholders

To Research Community

On January 14-18, 2017, Drs. Jeremy Edwards and Georgia Eizenga of the Dale Bumpers National Rice Research Center, Stuttgart, AR, attended the 25th Plant and Animal Genome Conference in San Diego, California. Dr. Edwards made a presentation entitled “Ricebase-a Resource for Rice Breeding” and chaired the Allele Mining workshop. Dr. Eizenga presented a poster entitled “Genetic Variation for Traits Associated with Domestication Identified in a Cultivated Rice, Nipponbare (*Oryza sativa* ssp. *japonica*) x Ancestral Rice, *O. nivara*, Mapping Population”.

On January 24, 2017 Drs. Jeremy Edwards and Georgia Eizenga attended the Southern Rice Breeders meeting in Crowley, Louisiana. As part of the meeting, Dr. Edwards presented “Ricebase (genomics) and pedigree tracking/graphics system” and Dr. Eizenga chaired the annual Rice Crop Germplasm Committee meeting. At this meeting, a report on grain quality and genetic marker analyses as determined by the DBNRRC on the elite breeding lines evaluated in the Uniform Regional Rice Nursery was presented to the southern rice breeders.



b. Informal Contacts

On January 24, 2017, Dr. Yulin Jia provided information on effective blast resistance genes to a rice researcher at USA university.

c. Germplasm Exchanged:

During January 1,047 rice accessions from the Genetics Stocks *Oryza* (GSOR) collection were distributed to researchers in the US. On January 17, 2017, Dr. Yulin Jia provided 3 rice germplasm lines to a university researcher in the US to validate new genetic markers for blast resistance.

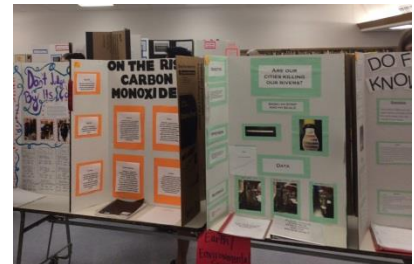
Dr. Anna McClung deposited three rice accessions with the NSGC that had been imported from Asia a number of years ago – HB1, Dragons Eyeball100, and IAC 600 – all rice varieties with colored bran.

3. Education and Outreach

On January 10, 2017, Ms. Melissa Jia, Geneticist, was invited as a representative of DBNRRC, by Superintendent Dr. Lynne Dardenne to participate in a round table discussion with education administrators and other local employers as part of the Dewitt School Leadership Council. The purpose of the discussion was to identify knowledge and skills that will be needed in the local workforce.



On January 10, 2017, DBNRRC research staff, Tracy Bianco, Eric Grunden, Quynh Grunden, Melissa Jia, and Jai Rohila participated as judges in the Stuttgart High School science fair. The fair consisted of over 135 posters from 9-12th grade AP and PreAP students. 1st, 2nd, and 3rd place winners in each category will compete at University of Arkansas, Pine Bluff in February and then winners will compete at regionals at University of Arkansas, Monticello. Any winners at Monticello will continue on to the State competition.



On January 31, 2017, Dr. Yulin Jia successfully completed 2016 federal Asian Pacific American Council (FAPAC) Career Development for High Performers (CDHP) mentoring program starting in May 2016. As a mentor he volunteered 40 hours and served as a resource for self-improvement and professional development, offered opportunities to strengthen personal goals and career planning, and provided a forum to discuss concerns in regard to becoming a high performer in federal government. The graduation of the 2016 mentoring program will take place at the USDA, Washington DC on February 8 2017.

4. New Significant Research Collaborations