

農学国際教育研究センター 2023年度 第2回オープンセミナー

# ICREA 2<sup>nd</sup> Open Seminar in AY2023

2023. **7.26** (Wed) 15:30 – 17:00

## QTLs and Genes for Salt Stress Tolerance of Rice: A Journey from Seed to Seed Continued

イネ耐塩性に寄与するQTLと遺伝子：種子から種子へと続く旅



### Dr. Vandna Rai

Principal Scientist/Professor

National Institute for Plant Biotechnology,  
Pusa, New Delhi

- 言語：英語
- 開催形式：対面
- 場所：名古屋大学農学部第7講義室
- Language : English
- Venue: Lecture Room No.7, School of Agricultural Sciences, Nagoya University

Rice (*Oryza sativa* L.) is a crucial crop contributing to global food security. Several QTL mapping studies for salinity tolerance have been reported. However, QTLs and markers flanking QTLs for salinity tolerance are not utilized in breeding programs. The main reason is attributed to the large chromosome intervals delimited by those QTLs. Thus, identifying the candidate genes and understanding the salinity tolerance mechanism remained challenging. Identifying markers linked to genes contributing to salinity tolerance during reproduction provides opportunities to breed high-yielding rice varieties for salt stress-affected areas. This study aims to identify genomic regions contributing to salt tolerance at the reproductive stage in rice by using a high-density linkage map.

#### ■問い合わせ Contact■

〒464-8601 名古屋市千種区不老町 名古屋大学 農学国際教育研究センター  
International Center for Research and Education in Agriculture, Nagoya University  
TEL : 052-789-4225 FAX : 052-789-4222 MAIL : icrea@agr.nagoya-u.ac.jp