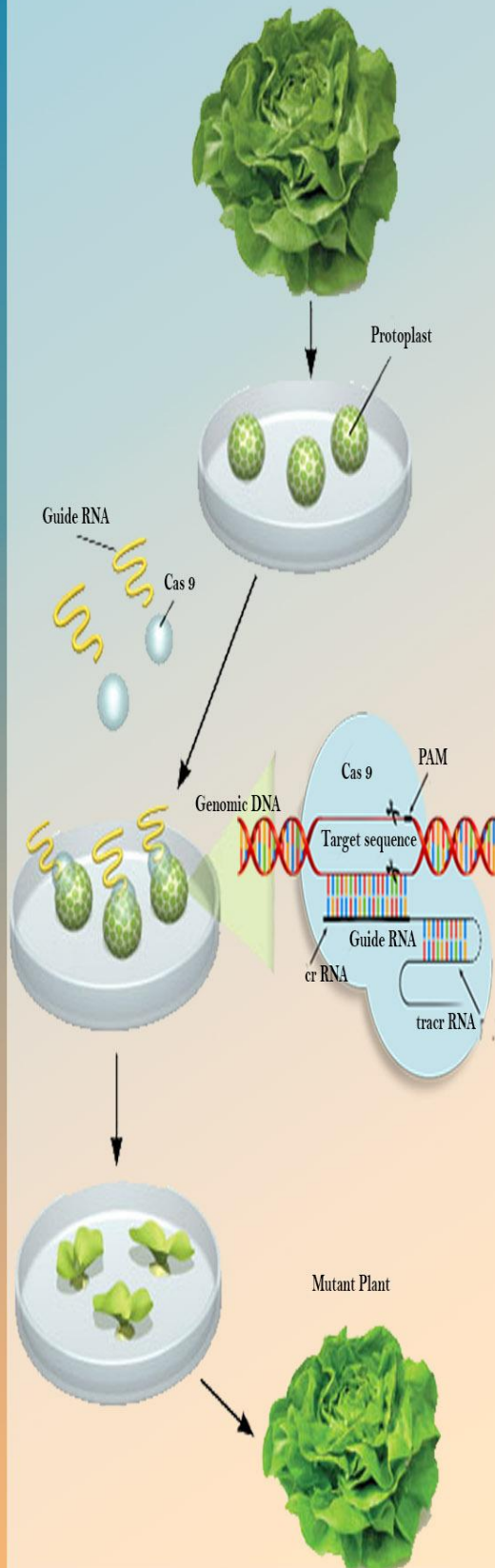




DBT SPONSORED WORKSHOP ON CROP GENOME EDITING USING CRISPR/Cas9 SEPTEMBER 05 - 09, 2017

Organized by
T.A.L. SAMY UNIT OF PLANT TISSUE CULTURE & MOLECULAR BIOLOGY
DEPARTMENT OF PLANT BIOLOGY AND BIOTECHNOLOGY
LOYOLA COLLEGE, Chennai-34



Aim of the workshop

Micronutrient malnutrition, also termed as “hidden hunger” possess an alarming threat to the health status of the world’s population. Biofortification is a sustainable approach to overcome micronutrient deficiencies by developing nutrient-dense food crops. Crop nutritional improvement by conventional plant breeding requires longer time to develop new varieties, while genetic modification results in the random insertion of transgenes. Therefore, targeted genome modification in agricultural crops is the key to enhance the nutritional security. In this genomic era, genome engineering tools play a pivotal role in accelerating the crop improvement by exploiting the genetic and genomic resources of various crops. The workshop on "Crop Genome Editing using CRISPR/Cas9" is highly relevant to train young scientists and researchers in the emerging area of New Plant Breeding Techniques. Since the use of CRISPR/Cas9 for nutritional improvement is in its infancy in India, this workshop aims to provide adequate skills to plant researchers and in-depth guidance for sgRNA design, construction of CRISPR vectors, PEG-mediated transfection in protoplasts and mutation analysis of genome-edited events.

Eligibility

Target Participants for this workshop will include young scientists, academicians and research scholars working in the area of Plant Biotechnology. Preference will be given to participants with prior experience on genomic resources and those willing to utilize genome engineering tools in their research.

Total no of participants : 15

How to apply

Application forms can be downloaded from the events sections of the college website (www.loyolacollege.edu). Filled-in application forms should be sent by email to DR. R. RAVINDHRAN, Convener (raviloyola1998@gmail.com) on or before August 16, 2017. Selected participants will be intimated via email by August 20, 2017. Accommodation will be provided on payment basis to selected outstation participants depending on the availability in our guest house.

DR. R. RAVINDHRAN
CONVENER

REV. DR. M. AROCKIASAMY XAVIER, S.J
PRINCIPAL