GENOME EDITING FOR A SUSTAINABLE AGRICULTURE



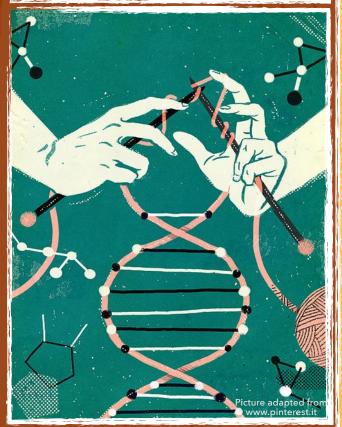




Under the patronage of the Italian **Society of Agricultural Genetics**

Aula Magna Scarascia Mugnozza - Complesso Santa Maria in Gradi

MARCH



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09:00-09:15

Prof. Alessandro Ruggieri Rector University of Tuscia - Italy 'Welcome speech'

09:15-09:30

Prof. Stefania Masci WP5 coordinator - DAFNE University of Tuscia - Italy

'SAFE-Med - Work package 5'

09:30-10:15

Prof. Dirk Inzé Science Director Center for Plant Systems Biology - Belgium 'Global and sustainable food security needs science-driven

10:15-11:00

innovation'

Dr. Luigi Cattivelli Council for Agricultural Research and Economics (CREA) - Italy DAFNE - University of Tuscia - Italy

'Biotecnologie sostenibili per l'agricoltura italiana: a national project for genome editing in plants'

11:00-11:30

Coffee break

11:30-12:15

Prof. Francisco Barro Institute for Sustainable Agriculture - Spain

'CRISPR/CAs for editing the celiac-disease related gliadins complex in wheat'

12:15-13:00

Prof. Antonio Granell Institute of plant molecular and cellular biology - Spain

'Editing the Solanaceae genome for plant and fruit quality traits'

13:00-13:15

Dr. Francesco Camerlengo DAFNE

University of Tuscia - Italy

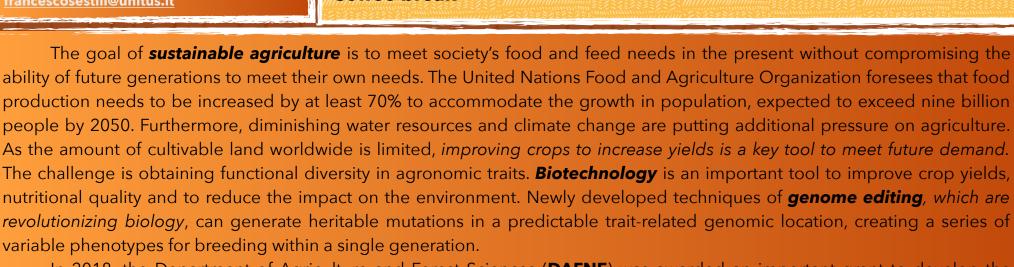
'Application of CRISPR-Cas9 technology to improve nutritional and health value in durum wheat'

13:15-13:30

Dr. Gabriella Dono. Dr. Maurizio E. Picarella

'Genome editing, a tool to study useful tomato fruit variants'





In 2018, the Department of Agriculture and Forest Sciences (DAFNE) was awarded an important grant to develop the project entitled 'Sustainability of Agricultural and Forest systems in the Mediterranean environment in a global change context' (SAFE-MED). This project is composed by 7 main work packages (WPs), among which WP5 focuses on the usage of biotechnology for a sustainable agriculture. During this meeting emerging approaches and strategies of genetic engineering, as well as their regulation, for a more sustainable agriculture will be shown and discussed with a panel of national and international experts.