

COST Action CA18111 "Genome Editing in Plants"

Online lecture series

Date: August 31, 2022 – 4 PM CEST

(Upcoming lectures: September 28, October 26, November 31, 2022; 4 PM CEST)

Speaker 1



Prof. José-Antonio Daròs – Instituto de Biología Molecular y Celular de Plantas (IBMCP), CSIC - Universitat Politècnica de Valencia, Spain

Title: CRISPR/Cas genome editing in plants using viral vectors to express the reaction components

Speaker 2



Dr. Azka Noureen – Sainsbury Laboratory, Norwich, UK

Title: Development of Broad-spectrum resistance in *Solanum tuberosum* against PVY by exploiting CRISPR/Cas13

About Prof. José-Antonio Daròs

Prof. José-Antonio Daròs supervises the research group "Plant Virus Biotechnology" at IBMCP, a joint center between the Spanish National Research Council (CSIC) and the Polytechnic University of Valencia, Spain. J.A. Daròs obtained his degree in Biological Sciences in 1991 at the University of Valencia (Spain) and his Ph.D. in 1994 in this same university, with research work about viroid replication. He gained post-doctoral experience working in potyvirus molecular biology for three years and a half in the laboratory of Prof. James C. Carrington at the Texas A&M University and the Washington State University, USA. He joined the laboratory of Prof. Ricardo Flores at IBMCP in 1998, where he investigated the viroid-plant interaction. In 2004, he obtained a permanent position as a Scientist in IBMCP. J.A. Daròs has authored more than one hundred research and review articles and book chapters about different aspects of plant virus and viroid biology and biotechnology.

About Dr. Azka Noureen

Dr. Azka Noureen completed her PhD in Plant Biochemistry in the National Institute for Biotechnology and Genetic Engineering (NIBGE) and Arid Agriculture University in Pakistan. She exploited CRISPR/Cas9 and CRISPR/Cas13 to develop immunity against pathological strains of PVY in *Solanum tuberosum*. She currently is visiting scientist in the Sainsbury Laboratory where she employs cutting-edge genome editing methods to increase the amount and quality of the potato harvest.

How to join the lecture session?

You can register for this online lecture session by submitting your name and email here:

<https://forms.gle/QR1i2EJio8MYh7Yv6>

A link to join the session will be sent to you later in August.

Program of upcoming online lecture series

September 28, 2022 – 4 PM CEST

Dr. Jochen Kumlehn, Division of Cell Biology and Biotechnology, Research group Plant Reproductive Biology, IPK Gatersleben, Germany

Prof. Yinong Yang, Department of Plant Pathology and Environmental Microbiology, Huck Institutes of the Life Sciences, Pennsylvania State University, USA

October 26, 2022 – 4 PM CEST

Prof. Dan Voytas, Department of Genetics, Cell Biology and Development, Center for Precision Plant Genomics, University of Minnesota, USA

Dr. Concetta Licciardello, Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria (CREA), Centro di ricerca Olivicoltura Frutticoltura Agrumicoltura (OFA), Italy

November 30, 2022 – 4 PM CEST

Prof. Neal Steward, Centre of Agricultural Synthetic Biology, University of Tennessee, USA

Prof. Sadiye Hayta, John Innes Centre, UK