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EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY

COST Action CA18111 "Genome Editing in Plants"

Online lecture series

Date: **June 29, 2022 – 4 PM CEST**
(Upcoming lectures: August 31, September 28, October 26, November 31, 2022; 4 PM CEST)

Speaker 1

Prof. Yiping Qi – Dept. of Plant Science and Landscape Architecture, University of Maryland, College Park, USA

Title: Boosting plant genome editing with a versatile CRISPR-Combo system

Speaker 2

Prof. Avraham Levy – Dept. of Plant and Environmental Sciences, the Weizmann Institute of Science, Faculty of Biochemistry, Rehovot, Israel

Title: What determines genome editing efficiency: break or repair?

About Prof. Yiping Qi

Prof. Yiping Qi received his B.Sc. in Microbiology at the Nankai University, his M.Sc. in Biochemistry and Molecular Biology at the Shanghai Jiao Tong University, and his PhD in Plant Biology at the University of Minnesota, Twin Cities. From 2009 to 2013, he conducted postdoc research on plant genome engineering in Dr. Dan Voytas lab. Yiping Qi is currently an Associate Professor at the University of Maryland, College Park. His lab has developed multiple CRISPR systems for plant genome editing and transcriptome regulation. His recent recognitions include the NSF Plant Genome Early Career Award, the FFAR New Innovator in Food and Agriculture Research Award, the SIVB Young Scientist Award, the UMD-AGNR Faculty Research Award, and the University of Maryland Invention of the Year in Life Science Category.

About Prof. Avraham Levy

Prof. Avraham Levy received a PhD in plant genetics from the Weizmann Institute, Rehovot, Israel, in 1987. From 1987 to 1990, he conducted postdoctoral research at Stanford University, USA and in 1991, at the Institut National de Recherche Agronomique in Versailles, France. Since 1992, he joined the department of Plant and Environmental Sciences at the Weizmann Institute where he is a scientist and currently serves as dean of the Faculty of Biochemistry. Prof. Levy aims to better understand the genetic and epigenetic mechanisms that are responsible for the biodiversity of the plant kingdom. This includes DNA recombination and repair, transposons, hybridization and genome doubling. He is interested in utilizing these mechanisms to develop new plant breeding tools for sustainable food production. In particular, he harnesses and develops advanced genetic manipulations, such as genome editing, to modify plant features in a precise manner. Prof. Levy is involved in Israeli Agro-biotech companies. He was awarded the 2016 Landau Prize of Mifal Hapais for Plant Sciences and got an ERC grant for targeted engineering of plant genomes. He previously served as president of the Genetic Society of Israel. He is a reviewing editor for The Plant Cell and an associate member to the French Academy of Agriculture.

How to join the lecture session?

You can register for this online lecture session by submitting your name and email here: https://forms.gle/g1aEsBA1SPLJnTSM9

A link to join the session will be send to you later in June.

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Program of upcoming online lecture series

August 31, 2022 – 4 PM CEST

Prof. Jose Antonio Daros, Instituto de Biología Molecular y Celular de Plantas (IBMCP), Plant Virus Biotechnology lab, Spain

Dr. Azka Noureen, The Sainsbury Laboratory, UK

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