

FAO Global Agrifood Biotechnologies Conference 2025

16th – 18th June 2025

POSTER PRESENTATI DAL CREA

CREA - Research Centre for Animal Production and Aquaculture

- **Titolo:** OMICS techniques used with Precision Livestock Farming tools to reduce dairy farms' greenhouse gas emissions

Autori: Cinzia Marchitelli, David Meo Zilio, Roberto Steri, Miriam Iacurto

CREA - Research Centre for Cereal and Industrial Crops

- **Titolo:** miPEPs innovative biotechnological tools to improve plants resistance to pests.

A case study on potato (*Solanum tuberosum* L.)

Autore: Laura Bassolino

- **Titolo:** Present and future of new breeding technologies in hemp, a crop with a thousand uses

Autore: Roberta Paris

CREA - Research Centre for Food and Nutrition

- **Titolo:** Food Design Thinking: a transdisciplinary approach to overcoming barriers to the conscious adoption and acceptance of food biotechnology

Autori: Stefania Ruggeri, Susanna Lelli

CREA - Research Centre for Forestry and Wood

- **Titolo:** Application of new genomic techniques for the modification of lignocellulosic biomass composition and plant architecture in poplar

Autori: Paolo Calligari, Andrea Carra, Giusi Zaina, Davide Guerra, Gianni Tacconi, Chiara Biselli, Giuseppe Nervo

CREA - Research Centre for Genomics and Bioinformatics

- **Titolo:** Production of non-browning eggplants by CRISPR/Cas9-mediated HQT gene knocking out

Autori: Fabio D'Orso, Laura Toppino, Fausta Natella, Barbara Felici, Giorgio Morelli, Cathie Martin, Giuseppe Leonardo Rotino

- **Titolo:** Functional study of SpARF6b in the IL7-4-1 introgression line (*S. lycopersicum* x *S. pennellii*) using CRISPR/Cas9 genome editing technology

Autori: Maddalena Sala, Silvia Americo, Tiziano Cervoni, Marco Possenti, Barbara Felici, Massimiliano Beretta, Angela Roberta Lo Piero, Giorgio Morelli, Luigi Cattivelli, Fabio D'Orso

- **Titolo:** CoCas9, a new friend to expand the plant genome editing toolbox for a changing agrifood landscape

Autori: Marco Renzetti, Daniela Palma, Valentina Forte, Antonio Casini, Barbara Felici, Giorgio Morelli, Anna Cereseto, Fabio D'Orso

- **Titolo:** Gene Editing as a Tool to Improve Psa Resistance in Kiwifruit

Autori: Vania Michelotti, Gianni Tacconi (con Simona Lucioli, Emilia Caboni – CREA OFA)

CREA - Research Centre for Olive, Fruit and Citrus Crops

- **Titolo:** Genetic approaches for the improvement of resilient and sustainable *Prunus* crops

Autori: Sabrina Micali, A. Muskaj, N. Santillo, Ignazio Verde, Elisa Vendramin

- **Titolo:** Gene Editing as a Tool to Improve Psa Resistance in Kiwifruit

Autori: Simona Lucioli, Emilia Caboni (con Vania Michelotti, Gianni Tacconi – CREA GB)

- **Titolo:** Microbial biotechnology for sustainable Agrifood systems: from nutrition to food safety and valorisation of by-products

Autori: Flora Valeria Romeo, Paola Foti

CREA - Research Centre for Vegetable and Ornamental Crops

- **Titolo:** Harnessing native microbial consortia as bioinoculants to improve smallholder farm productivity and soil health in degraded agroecosystems

Autori: Riccardo Scotti, Fernando Monroy, Catello Pane, Cono Vincenzo, Massimo Zaccardelli, Eliana Dell'Olmo, Boris Basile, Aida Raio, Loredana Sigillo

- **Titolo:** Biotechnological and genomic approaches toward next generation breeding in vegetable crops

Autori: Pasquale Tripodi, Sara Sestili, Marina Laura, Alessandro Nicolai