



**Corso di Dottorato in Scienze, Tecnologie e
Biotecnologie Agro-Alimentari**
Ph.D Workshop
30 Novembre 2018

9.00 – 9.10 Apertura dei lavori – *Opening*

Prof. Alessandro ULRICI (Coordinatore del Dottorato STEBA)

Chairpersons

Prof.ssa Luisa A. VOLPELLI (Segretario del Dottorato STEBA – Secretary, STEBA Doctorate)

Dott.ssa Laura ARRU (Docente del Dottorato STEBA – Teacher, STEBA Doctorate)

Dott. Enrico FRANZIA (Docente del Dottorato STEBA – Teacher, STEBA Doctorate)

9.10 – 12.15 Relazioni orali dei dottorandi del terzo anno (XXXI Ciclo)

Oral presentations of 3rd year (XXXI Cycle) Ph.D students

- **Dott. Massimo BELLELLI:** Properties of poly(vinyl alcohol) films as determined by thermal curing and addition of polyfunctional organic acids (Tutor: Prof. Patrizia Fava; Prof. Andrea Pulvirenti) - *currently engaged in other activity*;
- **Dott.ssa Melissa BIZZARRI:** Molecular mechanisms of cell identity and hybrid sterility in an allodiploid *Zygosaccharomyces* yeast unravelled by synthetic biology and de novo genome assembly from MiSeq and MinION platforms (Tutor: D.ssa Lisa Solieri; Dott. Stefano Cassanelli);
- **Dott.ssa Silvia CODELUPI:** Antimicrobial food packaging (Tutor: Prof. Andrea Pulvirenti; Prof. Patrizia Fava);
- **Dott.ssa Nicoletta FACONDINI:** Production and reactivation of ADY in winemaking: physiological and technological aspects (Tutor: Prof. Paolo Giudici; Dott. Tommaso Bonciani) - *currently engaged in other activity*;
- **Dott.ssa Silvia GIGLIANO:** Improvement in shelf-life of pizza ingredients by the development of edible food packaging in vending machines sector (Tutor: Prof. Andrea Pulvirenti; Prof. Patrizia Fava);
- **Dott.ssa Serena MARTINI:** Hydroxycinnamic acids: *in vitro* antiproliferative activity and metabolism (Tutor: Prof. Angela Conte; dott. Davide Tagliazucchi);
- **Dott.ssa Giorgia ORLANDI:** Development of multivariate image analysis methods for food colour characterization (Tutor: Prof. Alessandro Ulrici; Dott.ssa Rosalba Calvini);
- **Dott. Andrea PIRONDINI:** Nanoparticles Zinc Oxide application on human and zootechnical pathogens (Tutor: Prof. Andrea Pulvirenti);
- **Dott.ssa Tiziana Maria SIRANGELO:** Microbiota of cooked ham and fresh sausage packed in modified atmosphere throughout the shelf-life (Tutor: Prof. Maddalena Rossi; Dott. Stefano Raimondi).

12.15 – 13.15 Visione poster dei dottorandi del primo e del secondo anno (XXXIII e XXXII Ciclo)

Poster session, 1st and 2nd year Ph.D students (XXXIII and XXXII Cycle)

13.15 – 14.30 Pausa pranzo - *Lunch*

14.30 - 15.30 Flash presentation dei dottorandi del secondo anno (XXXII Ciclo)

Flash presentations of 2nd year Ph.D students (XXXII Cycle)

- **Dott. Andrea BEZZECCHI:** Development of innovative acetification processes and products (Prof. Maria Gullo);
- **Dott. Antonio BISCOTTI:** Study and analysis of process technologies for ice-cream mix treated with Carpigiani machines (Prof. Maddalena Rossi);
- **Dott. Umberto CANCELLI:** Management strategies and enhancement of some by-products of the wine industry (Tutor: Prof. Andrea Antonelli; Dott. Francesca Masino);
- **Dott.ssa Federica CARADONIA:** Innovative strategies and environmentally friendly management practices for the production of processing tomato (*Solanum lycopersicum* L.) (Tutor: Dott. Enrico Francia; Dott. Domenico Ronga);
- **Dott. Roberto DE GIORGIO:** The influence of the quality certifications and the food safety on the agri-food business (Prof. Andrea Pulvirenti);
- **Dott. Hossein HAGHIGHI:** Comparative analysis of blend and bilayer films based on chitosan and gelatin enriched with Lauroyl Arginate Ethyl for food packaging applications (Prof. Andrea Pulvirenti);
- **Dott. Ivano PECORELLA:** Development of a high throughput plant phenotyping system for innovating durum wheat breeding in the Mediterranean (Prof. Nicola Pecchioni; Dott. Pasquale De Vita);
- **Dott.ssa Lucia RIGHINI:** Isolation and molecular typization of *E. coli* and Enterobacteriaceae gut population from healthy volunteers (Prof. Maddalena Rossi);
- **Dott.ssa Corina SCUTARU:** N-3 and antioxidants in pig diets (Tutor: Prof. Domenico P. Lo Fiego; Prof. Luisa A. Volpelli);
- **Dott.ssa Silvia VOLPATO:** Quality control of microbials (Tutor: Prof. Emilio Stefani; Prof. Andrea Pulvirenti);
- **Dott. Sai Shivakrishnaprasad VURUKONDA:** Symbiotic Agriculture: increasing knowledge on the mode of action of beneficial microorganisms (Prof. Emilio Stefani) - *currently abroad*.

Elenco dei Poster del primo anno (XXXIII Ciclo) - *List of Posters, 1st year (XXXIII Cycle)*

- **Dott. Giacomo BULGARINI:** Investigations on biology and behavior of *Halyomorpha halys* (Heteroptera: Pentatomidae) aimed at its sustainable management in agro-ecosystems (Tutor: D.ssa Lara Maistrello);
- **Dott. Gaetano CAMMILLERI:** Optimization and validation of a loop-mediated isothermal amplification (LAMP) system for the detection of *Anisakis spp.* DNA in processed fish products (Tutor: Prof. Andrea Pulvirenti);
- **Dott.ssa Lara CAMPANI:** A study on new organic preservatives to improve the shelf life of foods (Tutor: Prof. Andrea Pulvirenti) - *currently in suspension*;
- **Dott. Francesco CANDELIERE:** Ecology and function of gut microbiota (Tutor: Prof.ssa Maddalena Rossi; dott. Stefano Raimondi);
- **Dott. Salvatore LA CHINA:** Genome sequencing of a cellulose producing *Komagataeibacter* strain (Tutor: D.ssa Maria Gullo);
- **Dott. Leonardo SETTI:** Characterization and winemaking of ancient grape cultivars (Tutor: Prof. Andrea Antonelli);
- **Dott.ssa Anna SIMONETTO:** Quantitative models for the multidimensional assessment in the food chain (Tutor: Prof. Gianni Gilioli; Prof. Andrea Pulvirenti);
- **Dott. Giorgio SPERANDIO:** Development of mathematical models supporting sustainable agriculture in Europe (Tutor: Prof. Gianni Gilioli; D.ssa Lara Maistrello);
- **Dott.ssa Irem ALTIN:** Implementation of IPM strategies to control bacterial diseases of stone fruits and nuts caused by copper resistant/ tolerant pseudomonads and xanthomonads (Tutor: Prof. Emilio Stefani; with University Namik Kemal, Turkey).