



UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II



Dipartimento di Biologia

Dottorato in Biotecnologie

Coordinatore Prof. Marco Moracci

PhD in Biotechnology – 32° cycle

Esame finale - PhD thesis defence

April 20, 2020 - starting time 8.30

The examinations will be carried out using the MS Teams app. Each candidate will have 20 min to present his/her work, then 10 min will be devoted to the discussion of the results.

- 8.45-9.15** **Asmaa W. M. Al-Asmar** – Nanoreinforced and crosslinked hydrocolloid films to prevent the formation of toxic products during food cooking and to extend food shelf-life.
Supervisor: Loredana Marinello
- 9.15-9.45** **Cimafonte Martina** – Quartz-Crystal Microbalance (QCM) and electrochemical (EC) immuno-sensors for applications to food safety and quality.
Supervisor: Raffaele Velotta
- 9.45-10.15** **Dell’Olmo Eliana** – Host Defence Peptides (HDPs) as novel biopreservatives for food industry applications.
Supervisor: Angela Arciello
- 10.15-10.45** **Gallo Giovanni** – Development of biosensors for monitoring environmental pollutants
Supervisor: Gabriella Fiorentino
- 10.45-11.00** *break*
- 11.00-11.30** **Imbimbo Paola** – Microalgae as factory of high value bioproducts.
Supervisor: Daria Maria Monti
- 11.30-12.00** **Marzano Maria** – DNA G-quadruplexes: from nucleic acids involved in gene control expression to highly ordered supramolecular structures.
Supervisor: Gennaro Piccialli
- 12.00-13.00** **Committee meeting**
- 13.00-14.00** *break*



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- 14.00-14.30 Mauriello Valentina** – Development of new biocatalysts for the hydrolysis of lignocellulosic substrates.
Supervisor: Vincenza Faraco
- 14.30-15.00 Moretta Rosalba** – Design, fabrication and characterization of hybrid bio/non-bio interfaces for biomolecular interactions study and industrial applications.
Supervisor: Luca De Stefano
- 15.00-15.30 Papianni Marina** – Bacteriophage engineering for industrial application.
Supervisor: Rosanna Capparelli
- 15.30-16.00 Dana I I Salameh** – Development of processes for the production of postbiotic functional foods.
Supervisor: Antonio Marzocchella
- 16.00-16.30 Tortorella Emiliana** – Eco friendly “ocean solutions” for improvement of human wellness.
Supervisor: Donatella De Pascale
- 16.30-17.30 Committee meeting**
- 17.30 Proclamation**

Committee:

- 1. Prof. Chiara Schiraldi**, Università della Campania ‘L. Vanvitelli’, Dip. di Medicina Sperimentale
- 2. Prof. Mauro Majone**, Università di Roma la Sapienza, Dip. di Chimica
- 3. Prof. Amalia Porta**, Università di Salerno, Dip. di Farmacia
- 4. Prof. Peter Gotz**, Beuth University of Applied Sciences Berlin
- 5. Prof. Andreas Blennow**, University of Copenhagen, Department of Plant and Environmental Science



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Link to the team:

<https://teams.microsoft.com/j/channel/19%3a088a753abc5b436e9566ab2b72f753a8%40thread.tacv2/Generale?groupId=0de84b6b-6c74-4a78-8a8c-2509878f8bc6&tenantId=2fcfe26a-bb62-46b0-b1e3-28f9da0c45fd>

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