



University of Genova

Department of Earth, Environmental
and Life Sciences

Doctorate Course in Earth and
Environmental Science and
Technology

Università degli Studi di Genova



Dottorato in Scienze e Tecnologie
per l'Ambiente e il Territorio

Curriculum in biology applied to agriculture and the environment

Research theme 4

<p>Titolo: Valutazione degli effetti sulla fisiologia della cute di sostanze ad attività estrogenica Title: Effects of estrogenic compounds on skin physiology</p>
<p>Tutor: Elena Grasselli elena.grasselli@unige.it Co-tutor: Matteo Zanotti Russo info@angelconsulting.eu</p>
<p>Program description including the formation program abroad.</p> <p>This study will be conducted with the aim to test and describe estrogenic effects of natural derived compounds such as polyphenols in “next generation regulatory assessment” (NGRA) mode thus allowing empirical assay on the next step in cosmetic safety legislation, to be developed as experimental research, thus requiring an expertise in field.</p> <p>Thanks to this first step a broader approach will be applied. Besides endocrine disrupting properties, possible effects of the most common compounds included in a cosmetic will be simulated in a virtual laboratory and validated in a real one.</p> <p>Results will be evaluated in the framework of the most recent EU regulations concerning disrupting properties of compounds in cosmetic products.</p>
<p>Financial support will be on departmental Grasselli’s funds and on Angelconsulting’s H2020 funds</p>
<p>Tutor’s publications (max 3)</p> <ol style="list-style-type: none">1. Peptides for skin protection and healing in amphibians. Demori I, Rashed ZE, Corradino V, Catalano A, Rovegno L, Queirolo L, Salvidio S, Biggi E, Zanotti-Russo M, Canesi L, Catenazzi A, Grasselli E, <i>Molecules</i>, 2019, 24(2), 3472. Synthesis, Photoisomerization, Antioxidant Activity, and Lipid-Lowering Effect of Ferulic Acid and Feruloyl Amides. Lambruschini C, Demori I, El Rashed Z, Rovegno L, Canessa E, Cortese K, Grasselli E*, <i>Molecules (Basel, Switzerland)</i>, 2020, 26(1) (*equal contribution)3. Direct effects of Bisphenol A on lipid homeostasis in rat hepatoma cells. Grasselli E, Cortese K, Voci A, Vergani L, Fabbri R, Barmo C, Gallo G, Canesi L. <i>Chemosphere</i>, 2013, 91(8), pp. 1123–1129