



Alessandra Di Serafino

ENVIRONMENTAL BIOLOGIST, Ph.D SCHOLAR

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BACKGROUND

2013 Undergraduate Thesis Research in Zoology

Dept. of Evolutionary Biology
University of California – Los Angeles (UCLA), USA

2015 Internship in Atmospheric Sciences

Centre of Excellence for the Remote Sensing and Forecast of Severe Weather - CETEMPS
University of L'Aquila, Italy

2015/2016 Master's Thesis in Atmospheric Sciences and Environmental Mutagenesis

Lab. of Environmental Mutagenesis
University of L'Aquila, Italy

2016/2017 Guest speaker and Co-Supervisor in Zoology and Ecology

Faculty of Veterinary Medicine
University of Teramo, Italy

2017 Internship in Conservation Biology and Environmental mutagenesis

Istituto Zooprofilattico Sperimentale Abruzzo e Molise "G. Caporale"
Teramo



UNIONE EUROPEA



MINISTERO DELL'ISTRUZIONE DELL'UNIVERSITÀ E DELLA RICERCA



Industrial Ph.D (PON 2014-2020) – XXXIIIth cycle

- **Research Project:** The epigenetic effects of atmospheric pollutants (ozone, particulate matter, nanoparticles) on human Amniotic Fluid Stem Cells (hAFSCs) differentiated towards male germ cells.
- **Tutors:** *Dr.ssa Ivana Antonucci, Dr. Piero Di Carlo*

Goals & Objectives 2018

- hAFSCs isolation and culture
- Differentiation towards male germ cells (RA, TE, RA+TE)
- Differentiated hAFSCs culture inside the Indoor Reaction Chamber (IRC) system
- Genotoxicity Assays
- DNA and RNA extraction

Planned Meetings and Conferences



**SCR Italy Meeting 2018
Milan, Italy**



**4^o International
Conference on Pollution
Control and Sustainable
Environment 2018
Rome, Italy**