



# *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) – XXXIII<sup>th</sup> 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° International  
Conference on Pollution  
Control and Sustainable  
Environment 2018**  
**Rome, Italy**