



**“G. d’ANNUNZIO” UNIVERSITY
CHIETI – PESCARA**

**Earthquake and environmental hazard PhD
XXXIII cycle**

**PhD Student:
FALCONE LORENZA**



Cultural background:

- degree in Chemistry and Pharmaceutical Technology, at “G. d’Annunzio” University Chieti-Pescara
- BULATS certification Level: B1

Technical skills:

- basic practical lab skills
- cell culture set up and maintenance
- molecular biology assays (Real-Time PCR, Western Blotting)
- biochemical assays (ELISA, cell proliferation etc.)
- proteomic analysis with spectrometry technology

Personal interests:

- reading
- volunteering
- travelling, specially to know new cultures and landscapes
- working for the community



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Research Project:

The aim of the study is to understand the molecular mechanisms underlying the effects of ozone exposure in lungs and brain through *in vitro* experiments. The expected results will represent the basis for further *in vivo* studies aimed at identifying biomarkers useful to assess the health risk and to monitor the effectiveness of interventions.

PhD tutor: Prof.^{ssa} Patrizia Ballerini

until October 2018

Cell culture set up
and experiments
of ozone exposure

Molecular biology
and biochemical
assays

Proteomic studies

Possible future conventions:

- Faculty of Public Health Seminar - Kuwait University, Jabriya
- International conference on environmental pollution and remediation (ICEPR) – Madrid
- World Congress on Public Health – Londra
- International Air Quality - Barcellona

