

Curriculum vitae et studiorum

Dr. Cristina Bruno

Name: Cristina Bruno

Date of birth: 12/06/1988

Place of birth: Avellino

Citizenship: Italian

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Marital status: unmarried

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Education

2019 at present: PhD student in Food Science at University of Naples, "Federico II"

2018-2019: Volunteer training at Department of Translation Medical Sciences. Tutor: Prof. Roberto Berni Canani of University at Naples, "Federico II"

02/2018: Graduated in Biological Science at University of Naples, "Federico II"

2016-2018: Undergraduate internship at Department of Translation Medical Sciences – Section of Pediatrics, Naples; in laboratory led by Prof. Roberto Berni Canani under the supervision of Dr. Lorella Paparo.

12/2013: Graduated in Biology at University of Naples, "Federico II"

Technical skills and competences

Cell biology: Good experience in the maintenance of primary (PBMCs) and secondary (CaCo 2) cell cultures. Separation of cell population through gradient of Ficoll.

Molecular biology: DNA and RNA extraction by different human tissues and cells. DNA genomic extraction by fecal samples. cDNA synthesis, q-RT-PCR.
DNA Methylation analysis using HRM-Real Time.

Quantification of short chain fatty acid (acetic acid, propionate acid and butyric acid) by gas-chromatography method in serum and fecal samples in children with cow's milk allergy.

Levels of Beta defensin 2, alpha defensin and LL-37 in serum, fecal and cell culture supernatant, determined by ELISA.

Levels of Th1 and Th2 cytokines in children with cow's milk allergy determined by ELISA.

Analysis of microRNA expression involved in allergy response by Real Time PCR.