

# CURRICULUM VITAE

Francesca Leone

## Contact

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## Current position

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- ◆ Ph.D scholar at Physics Department-University of Calabria and CNR-Nanotec;

## Personal development

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**Biology, Ecology and Earth Science Department-University of Calabria-Italy:**

MSc Health Biotechnology-December 2020, Dissertation Title: "*Biocompatibility of gold NPs coated with  $\beta$ -keratin in E.coli TG1*".

**Biology, Ecology and Earth Science Department-University of Calabria-Italy:**

BSc Science and Biological Technology-May 2017, Dissertation Title: "*Antimicrobial peptides*".

## Research experience

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### *Scientific research areas of interest:*

Localized surface plasmonic resonance, antimicrobial agents, diagnostic for human disease, gain bio-material, fluorescent protein, bio-polymer, protein expression in prokaryotic culture.

### *Microbiology and molecular biology techniques:*

Western Blot  
Plasmid cloning and expression  
DNA/RNA extraction  
DNA digestion  
Prokaryotic cell culture  
PCR, qPCR

## Work experience

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- ◆ Postgraduate internship at Physic Department & CNR-Nanotec-University of Calabria (2021)
- ◆ Traineeship on Diagnostic Techniques at Clinical Control s.r.l (CS) (2018-2019)
- ◆ Internship on Western Blotting techniques at Cellular Physiology Laboratory-University of Calabria (2016)

## Languages

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- ◆ Italian (-native speaker)
- ◆ English (-B1)

## Scientific Affiliation

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- ◆ Associazione nazionale biotecnologi italiani
- ◆ CNR - Nanotec Istituto per i Processi Chimico Fisici, Unità di Cosenza

## References

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