

CHRISTINA LANARA

Date of birth: 20/09/1993
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 Heraklion, Crete, Greece

EDUCATION **Bachelor Studies Materials Science and Technology, University of Crete, Greece, 09/2011-03/2017**
 Grade: **Very Good** (6,72/ 10)
 ECTS: 250

High school diploma 2nd Public High School of Ampelokipoi
 Thessaloniki-Greece, 2008-2011
 Diploma grade: **Very Good** (16,8/ 20)

RESEARCH **Master Thesis**
EXPERIENCE IESL- FORTH and Materials Science and Technology department,
 Heraklion Greece, 09/2017-/2018

Bachelor Thesis
 IESL- FORTH and Materials Science and Technology department,
 Heraklion Greece, 04/2016- 02/2017
 Project title: ***Fabrication and characterization of micro- structured silicon substrates and hierarchical micro-nano-structured silicon substrates with gold nanoparticles.***
 Supervisor: prof. Georgios Kioseoglou
 Advisors: Dr. Emmanuel Stratakis, Dr. Chara Simitzi

LABORATORY
TECHNIQUES

- Ultra-short pulsed laser processing of materials
- Materials surface functionalization with gold nanoparticles, oligopeptides, protein dilutes via chemical treatment
- Silanization
- Materials surface functionalization via ultra-short pulsed laser processing under different reactive gaseous atmospheres
- Dry thermal oxidation
- Fabrication of multi-layered biocompatible materials
- Scanning Electron Microscopy (SEM) (only data analysis)
- Energy-dispersive X-ray spectroscopy (EDS)
- Static contact angle measurements (water drop)
- Ultraviolet-visible spectroscopy (Perkin Elmer LAMDA 950 spectrophotometer)
- Fourier-transform infrared spectroscopy (FTIR) (only data analysis)
- X Ray Diffraction Spectroscopy (XRD) (only data analysis)

- Optical profilometer
- Image analysis software (Image J), Language Fortran 95, Data analysis and graphic design software (OriginLab), Mendelay software

- PUBLICATIONS**
- 1) C.Simitzi, P. K. Harimech, S. Spanou, **C. Lanara**, A. Heuer-Jungemann, A. Manousaki, C. Fotakis, A. Ranella, A. G. Kanaras and E. Stratakis, ‘ ‘ *Cells on hierarchically-structured platforms hosting functionalized nanoparticles* ‘ ‘, *Biomaterials Science*, 2018, 6, 1469-1479
 - 2) I. Gnilitzkiy , S.V. Mamykin, **C. Lanara**, M. Dusheyko, L. Orazi and E. Stratakis, ‘ ‘ *Femtosecond HR-LIPSS for Plasmon-resonance Sensors* ‘ ‘, to be submitted in *Advanced Functional Materials*
 - 3) **C.Lanara**, A.Mimidis and E. Stratakis, ‘ ‘ *Femtosecond pulsed laser induced hydrophilic and anti-corrosive steel microconical structures* ‘ ‘ , to be submitted

- MEETINGS ATTENDED**
- 1) **2nd Israel-Greece Joint Meeting on Nanotechnology and Bionanoscience**, 25 October – 28 October 2016, Heraklion, Crete, Greece
 - 2) **14th International Conference on Nanosciences & Nanotechnologies (NN17)**, 04 July-09 July 2017, Thessaloniki, Greece
 - 3) **11th International Summer Schools “N&N Organic Electronics & Nanomedicine” (ISSON17)**, 01 July-08 July 2017, Thessaloniki, Greece
 - 4) **28th Annual Conference of the European Society for Biomaterials (ESB)**, 04 September – 08 September 2017, Athens, Greece, *Voluntarily to the organizing committee*
 - 5) **International conference of Nanotechnologies and Bionanoscience (NanoBio)**, 24 September - 28 September 2018, Heraklion, Crete, Greece, *Voluntarily to the organizing committee*

- POSTERS**
- **5th European Congress of Immunology (ECI)**, 2 September - 5 September 2018, Amsterdam, Netherlands
 - **International conference of Nanotechnologies and Bionanoscience (NanoBio)**, 24 September - 28 September 2018, Heraklion, Crete, Greece

LANGUAGES **English:** (Level B2)

- **First Certificate in English (FCE-B2)**
- **IELTS exams:** results to be announced in September 2019

**COMMUNITY
SERVICE****Volunteer blood donor** , Greece , 02/2012 – 02-2017**OTHER
STUDIES****2001-2007:** Theoretical Classic Music Studies – Thermaiko music school
of Thessaloniki**2007-2009:** Theoretical Synchronize Music Studies – Thermaiko music
school of Thessaloniki**2009-2011 :** Architectural and free design studies – Morfes art school of
Thessaloniki