

# Curriculum vitae

## Lucia Gemma Delogu

Last update: 30/01/2019

### Personal details:

**Name** Lucia Gemma Delogu  
**Nationality** Italian  
**Place and Date of Birth** Sassari, Italy  
6/1/1982  
**Marital Status** Married with one child (4 years old)  
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### Education

1/2005-5/2008 PhD, Biochemistry, Biology and Biotechnology  
Department of Biomedical Sciences, University of Sassari, Italy Thesis:  
“*Genetic of Multiple Sclerosis and Type 1 Diabetes: HLA class III*”.  
Supervisor: Dr. Laura Morelli. Co-Supervisor Prof. Francesco Cucca

11/2004 Laurea Magistralis (equivalent to BSc+MSc.), Università degli Studi di  
Sassari, Italy. Final score: 110/110 *summa cum laude*. Thesis Supervisors:  
Prof. Paolo Francalacci, Prof. Mario Pirastu (CNR)

9/2003-11/2004 Visiting Student Istituto di Genetica delle Popolazioni, Porto Conte Ricerche,  
Tramariglio, Alghero, Italy Supervisor Prof. Mario Pirastu

7/2000 Maturita' classica (equivalent to A Level)  
Liceo Classico “Canopoleno”, Sassari, Italy.

### Work experience

1/2018-to date Principal investigator ImmuneNanolab, Institute of Pediatric Research Section of  
Nanomedicine, Padua, Italy.

6/2018- to date Visiting Scientist Marie S. Curie H2020 Individual Fellow (Chair Prof. Xinliang Feng)  
Technische Universität Dresden, Dresden, Germany

11/2012-10/2017 Assistant Professor of Biochemistry non-tenure track (RTD-A) Department of  
Chemistry and Pharmacy, University of Sassari, Sassari, Sardinia, Italy

4/2017-9/2017 Senior Dresden Visiting Professor Fellow; Excellence in Science Program Technische  
Universität Dresden, Dresden, Germany Invited by Prof. Lorenz Hofbauer

5/2016-10/2016	Visiting professor “Elenore Trefftz” Chair of Materials Science and Nanotechnology Technische Universität Dresden, Dresden, Germany Invited by Prof. Gianaurelio Cuniberti
5/2013	Visiting Researcher Department of Transfusion Medicine National Institute of Health, Bethesda, USA. Invited by Prof. Francesco Marincola
10/2009-10/2011	Post Doctoral Fellow Department of Pharmacy, University of Sassari, Italy Supervisor: Prof. Francesco Sgarrella
7/2007-4/2009	Postdoctoral Fellow Institute for Genetic Medicine, University of Southern California, Los Angeles, USA
11/2007	Visiting Ph.D. Student Sanford-Burnham Institute, La Jolla, San Diego, USA

## Grants

**I obtained for the University of Sassari grants for more than 1 M of euros since 2010, a total budget of more than 2 M euros, I was under no-permanent positions such as post-doctoral fellow and Assistant Professor (RTDA). Among different international and national grants, I obtained three European Projects, two as Coordinator (under the EU Joint translational calls and HORIZON 2020) involving ten different Institutions present in Europe and worldwide, including China, Qatar and USA.**

2018	<b>Project</b> “IMM-GNRs: Human Immune profiling of Graphene Nanoribbons” by the European Commission Marie Skłodowska-Curie Individual Fellow. Call success rate about 10% <b>Role:</b> Beneficiary <b>Budget:</b> 128595,60 euros (Starting month June 2018)
2017	<b>Project</b> “G-NANOULTRA: Graphene as a new nanocontrast agent for cancer ultrasonography diagnosis and therapy” by the Government of Sardinia Region, Italy. This project was the first in the raking of the Biological Section in Sardinia. <b>Role:</b> Coordinator <b>Budget:</b> 60.000,00 euros
2016	<b>Project</b> “ <i>Multifunctional nanotools for advanced cancer diagnostics</i> ” by the Italian PRIN program from the Ministry of Education, University and Research (MIUR). <b>Role:</b> Partner Unit Coordinator; <b>Total Budget:</b> 372.319,00 euros
2016	<b>Project</b> “ <i>Carbo-IMmap – Immune activity Mapping of Carbon Nanomaterials</i> ” by the European Commission Marie Skłodowska-Curie Actions Research and Innovation Staff Exchange in the framework of H2020 program. Call success rate: about 20% <b>Role:</b> Coordinator <b>Total Budget:</b> 796.500,00 euros
2015	<b>Project</b> “G-IMMUNOMICS – “Characterization of Graphene immune-impacts through omics approaches and genotoxic analysis” by the EU Flag-ERA JTC program in the framework of H2020 Graphene Flagship. The project was among the 13 financed in all Europe and among the two in coordination selected in Italy <b>Role:</b> Coordinator <b>Total Budget:</b> 977.542,00 euro

- 2015 **Project** “Graphene Enchelone-Graphene based electrochemical and sers liquid biopsy detection; Starting grant from the Government of Sardinia Region for EU calls (Best international projects of Sardinia not funded).  
**Role:** PI of the Research Unit **Budget:** 10.000,00 euros
- 2015 **Project** “Nanotechnologies and graphene: new advances to fight leukemia” by the Italian Leukemia Association (AIL).  
**Role:** PI **Budget:** 13.000,00 euros
- 2015 **Project** “Graphene and Imaging Streaming: the fight against myelomonocytic leukemia” by The Foundation of Sardinia Bank.  
**Role:** PI **Budget:**85.400,00 euros
- 2014 **Project** “TheranosticNano: nanomaterials as imaging agents and therapeutic systems” by The Foundation of Sardinia Bank.  
**Role:** PI **Budget:**10.000,00 euros
- 2013 **Project** “Nanotechnology e immunotherapy: carbon nanotubes interaction with natural killer cells” by The Foundation of Sardinia Bank.  
**Role:** PI **Budget:**15.000 euros
- 2012 **Project** “Nanotechnology in biomedicine: functionalized carbon nanotubes as potential immunomodulator systems” by Government of Sardinia Region, Italy.  
**Role:** Coordinator **Budget:** 126.765,00 euros (all to LGD Unit)
- 2011 **Project** “New perspectives in nanotechnology: carbon nanotubes as potential immunotherapeutic agents” by The Foundation of Sardinia Bank.  
**Role:** PI **Budget:** 18.000,00 euros
- 2011 **Project** “TheranosticNANO Ultrasound contrast agents and immunomodulator systems” starting grant from the Government of Sardinia Region “Best projects not funded in National calls as coordinators”.  
**Role:** Coordinator **Budget:** 10.000,00 euros
- 2010 **Project** “Carbon nanotubes in pharmacology: impact on the immune system and gene expression” by The Foundation of Sardinia Bank, Italy. **Role:** PI **Budget:** 14.000,00 euros

## **Awards**

- 2018 Awarded of a Marie Curie Individual Fellow by the European Commission (Success rate about 10%)
- 2017 “Advanced Lecture on Graphene” at the Cambridge Graphene Center, UK
- 2017 Award “Feminas, Science and Culture Section”, among the five Sardinian women awarded by the Coldiretti Italian Association, Italy
- 2017 Awarded of “Dresden Senior Fellow-Excellence in Science program”, Technische Universität Dresden, Dresden, Germany (39300 euros)
- 2016 Awarded of a “Eleonore Trefftz Fellow-Excellence in Science program”, Technische Universität Dresden, Dresden, Germany (39300 euros)
- 2013 Award “Bedside to bench & Back Lecture Series Achievement Award” National

Institute of Health, Bethesda, USA

- 2012 Award “Medicine, Biology e Nanotechnology” by the Association of GianFranco Del Prete doctor and scientist, Italy (10.000 euros).
- 2011 “200 Best Young Talents in Italy, Science Section” (selected among over more than 10000 applicants) of from the Italian Ministry of Youth (Rome), Italy.
- 2007 Awarded of a Fellowship “Master and Back” by the Italian and Sardinia Government (23000 euros)
- 2006 Fellowship for training at the office of the Scientific office Italian Embassy, London by the Italian Ministry of Foreign Affairs, (I declined because of incompatibility with research activity)
- 2003 Fellowship “Best Student” at the University of Sassari, Italy (1000 euros)

### **Supervisor activities**

**All positions mentioned below were acquired on my own grants. My laboratory on Bionanotechnology in Sassari was created from the ground, any supply and instrument were purchased on my own grants including all the basic instruments for a bio-lab and a BD Flow Cytometer (CANTO II) the first in Sardinia dedicated to research only.**

- 2010 to 2017 6 M.Sc. Students (direct supervisor), 12 Ph.D. Students/fellows/postdoctoral-fellows

### **Teaching**

**I acquired in 7 years of activity experience in teaching at the University, in particular on Applied Biochemistry. More than 35% of my academic activity was dedicated to teaching due to the internal University policies.**

- 2016 course of 16 hours “Scientists in lab coats” for school students as introduction to the world of Biochemistry, Department of Chemistry and Pharmacy, UNISS.
- 2010-2017 course on Applied Biochemistry (72 hours per years), Department of Chemistry and Pharmacy, UNISS. Monthly exams were required. (enrollment: > 150 students).
- 2011 course of 8 hours in Bioinformatics Department of Chemistry and Pharmacy, UNISS (enrollment: > 150 students).

### **General contribution**

#### **▪ Organizer in scientific events**

- 1) 10-14/9/2018 Graphene Week 2018, San Sebastian, Spain; Role: co-organizer and chairman of the section “Graphene for space flight applications”.
- 2) 24-27/06/2017 International Workshop Nano Biomed-Sardinia, Alghero, Italy. Please see the full program

and speakers list at [www.nanobiomed.sardinia.eu](http://www.nanobiomed.sardinia.eu); Role: main organizer and chairman. It was an international event with over 200 participants, 11 Countries involved, several distinguished guests including 8 ERC winners.

- 3) 20/01/2017 Main Organizer at the Max Planck Institute of Molecular Biology in Dresden, Germany of the Seminar “Why fat does not accumulate in the muscle of a healthy vertebrate? A system biology approach” by Prof. G. Cesareni, University of Rome Tor Vergata, Italy. Number of participants:>100
- 4) 2016 One-day Event “Science and Culture” in UNISS, Italy; plenary speakers included Prof. Francesco Marincola Chief of the Sidra Center, Doha, Qatar. Role: main organizer. Number of participants: >200
- 5) 2016 International Conferences on Modern Materials and Technologies, Perugia, Italy. Role: scientific committee. Number of participants :> 300
- 6) 2011-2017 Lecture series at the University of Sassari in the fields of nanobiotechnology and immunology with recognized scientists (12 in total) from different National and International Institutions (i.e. France, USA, UK, Netherlands, Germany, Qatar). Role: main organizer. Number of participants :> 100.
- 7) 2014 “Science Day 2014 Symposium on Nanobiotechnology” University of Sassari, Italy. Role: Scientific committee. Number of participants: > 50.
- 8) 8-9/06/2012 International Conference “Cadmium Symposium”. Role: Scientific Committee. Number of participants: >500 from more 18 countries.
- 9) 22/02/2011 Workshop "Chemical and biotech patents by Sardinia Research PATLIB". Role: Scientific committee. Number of participants: >200.

#### ▪ Reviewer and referee activity

##### Panel list

**2015** Invited expert on the review panel of FP7 from Project Officer FET Flagships – Excellence in Science European Commission Graphene Flagship

##### Evaluator

**2012** Invited expert in different review panels for the National Science Centre, Poland.

##### 2012- to date

Invited Referee for a total of more than 80 papers  
i.e. for: “Nature Nanotechnology”, “ACSNano”, “Nanotoxicology”,  
“Biomaterials”, “Carbon”, “Nanoscale”.

#### ▪ Membership of scientific societies

- 1) Member upon invitation of the SITC “Society for immunotherapy of Cancer”
- 2) Member of the SIB (Italian Society of Biochemistry)
- 3) Member of the Ph.D. School in Life Science at the University of Sassari, Italy (2013-2017)

#### ▪ Editorial Board member of the following peer-reviewed Journals

- 1) Journal of Translational Medicine
- 2) Autoimmunity
- 3) International Journal of Pharmaceutical Sciences Research
- 4) Frontiers in Molecular Biosciences
- 5) Frontiers in Bioengineering and Biotechnology
- 6) Flat Chem

▪ **Italian Qualification as associate (II grade) and full professor (I grade) (ASN) and declined positions**

- 1) General Biochemistry (II grade)
- 2) Applied Biology (II grade)
- 3-4) Clinical Biochemistry (II grade and I grade).
- 5-6) Pathology (II grade and I grade).

6/2018 I declined an offer as Associate Professor from Qatar University, Doha, Qatar, because of incompatibility with the Marie Individual Fellow financed by the EU under HORIZON 2020

▪ **Conference and seminars**

**Key note and invited talks**

1. 23-25/10/2019 (upcoming) Invited Speaker “NanoMed 2019, Smart Materials and Interface”, Lisbon, Portugal
2. 12/6/2019 (upcoming) Invited Speaker “Nanomedicine Symposium”, Karolinska Institute, Stockholm, Sweden
3. 6/2019 (upcoming) Keynote Speaker “Graphene 2019”, Rome, Italy
4. 22-24/10/2018 Invited Keynote Speaker “3<sup>rd</sup> Innovative technologies in Biomedicine International Conference”, Krakow, Poland  
Title: Nanomaterials interaction with immune cells: from immunotherapies to regenerative medicine (Declined for family reasons)
5. 19-21/9/2018 Invited Keynote Speaker “Graph China 2018”, Xi’ An, China  
Title: Interactions of Graphene with immune cells: applications and potentialities (declined for family reason)
6. 18-21/9/2018 “Nanotox 2018”, Neuss, Germany  
Title: Graphene impact on immune cells
7. 10-14/9/2018 “Graphene Week 2018” San Sebastian, Spain  
-10/9 Within the Partnering Division section  
Title: G-immunomics project results  
-11/9 Within the Workshop Graphene for spaceflight applications  
Title: Nanomaterials for health applications in space  
-13/9 Within the Biomedical Section  
Title: Transcriptomic and single cell interaction properties of graphene in human primary immune cells

8. 3-7/9/2018 Plenary Speaker “Trends In Nanotechnology Conference”, Lecce, Italy  
Title: Nanomaterials and Immune Cells: a box of opportunities
9. 9-10/7/2018 “Frontiers in Immunology Workshop” Milano Bicocca, Italy;  
Title: Carbon nanomaterials interaction with immune cells
10. 3-5/7/2018 Plenary speaker “Graphene NowNano”, organized by the University of Manchester and the University and Cambridge, UK;  
Title: Carbon nanomaterials and graphene on immune cells
11. 26-29/6/2018 Invited Speaker “Graphene 2018”, Dresden, Germany;  
Title: Graphene and immune cells: a box of opportunities
12. 25-27/6/2018 “Attracting Researchers to Apply for Marie Skłodowska-Curie Individual Fellowships at TU Dresden Workshop” in Dresden, Germany;  
Title: Tips for a successful Marie S. Curie Fellow Application
13. 25/8/2017 Keynote Speaker at the “Chem2Dmat Conference” in Strasbourg, France;  
Title: Carbon Nanomaterials from immune cell interaction to bone regeneration.
14. 05-09/6/2017 Keynote Speaker at the “Trends in Nanotechnology International Conference (TNT2017)”, Dresden, Germany; title: Graphene and immune cells.
15. 01-03/4/2017 “2<sup>nd</sup> Nanotechnology Conference and Expo Dubai”, Dubai, United Emirates;  
title: Graphene for bone regeneration.
16. 05-07/12/2016 “3<sup>rd</sup> Edition Nanotech Dubai 2016 Conference and Exhibition”, Dubai, United Arab Emirates; Title: Impact of different shaped and functionalized graphene on immune cell subpopulations
17. 22-24/11/2016 “Nanobio&med 2016”, Barcellona, Spain; Title: Immune characterization of graphene oxide and amino functionalized graphene using new high-throughput analysis
18. 13-17/06/2016 Plenary Speaker “Graphene week 2016”, Warsaw, Poland; title: Immune cell impact of different shaped and functionalized graphene
19. 19-22/04/2016 “Graphene 2016 International Conference & Exhibition”, Genoa, Italy; title: Graphene oxide lateral dimensions can mediate different molecular responses of human immune cells
20. 28-30/10/2015 “4<sup>th</sup> International Immunology Summit”, Houston, USA; title: Molecular impact induced by differently shaped graphene oxide on immune cells
21. 23-27/11/2014 “7<sup>th</sup> International Symposium On Macro- and Supramolecular Architectures and Materials” Johannesburg, South Africa, title: Carbon nanomaterials for theranostic applications

22. 29/9-01/10/2014 “3rd International Conference and Exhibition on Clinical & Cellular Immunology”, Baltimore, USA, Title: Functionalized carbon nanotubes as immunomodulator systems and ultrasound contrast agents
23. 16-17/1/2013 Keynote speaker at the conference “Immunotherapy: what’s new in the future oncology?” Istituto Scientifico Romagnolo per la cura dei Tumori, Meldola, Forlì Italy, title: Functionalized carbon nanotubes for immunotherapy

### Contributed talks

- 1) 16-19/7/2013 “Dalla Nanomedicina al Brain Imaging”, Pula, Italy; title “ Carbon nanotubes for biomedical applications”
- 2) 26-29/9/2012 “56th National meeting of the Italian Society of Biochemistry and Molecular Biology”, Chieti, Italy; title “Functionalized carbon nanotubes and their application in biomedicine”.
- 3) 28-30/9/2009 “Nanotech Europe 2009 International Congress”, Berlin, Germany, title: Increased IL-2 production by PEGylated carbon nanotubes Treated T-cell
- 4) 27-30/10/2008 “5th International Congress of Nano-Bio & Clean Tech 2008”, San Francisco, USA; Title: ASO-conjugated PEGylated carbon nanotubes for PTPN22 silencing

### Invited seminars (most relevant)

*For 2019 I received several invitations for seminars at Universities and Research Institutes such as at: The Italian Institute of Technology (host Prof. Vittorio Pellegrini) the Karolinska Institute (host Prof. Bengt Fadeel).*

1. 30/1/2018 Institute for Pediatric Research, Padua, Italy; Title: Nanomaterials in Medicine: interactions with immune cells and bio-applications. Host: Antonella Viola
2. 3/11/2017 University of Cambridge, Cambridge, UK; Title: Carbon Nanomaterials with the immune cells: a box of opportunities. Host: Andrea Ferrari
3. 20/02/2017 IIT, Genoa, Italy; Title: New opportunities from nanomaterial interaction with immune cells. Host: Fabio Benfenati
4. 21/10/2015 University of Rome Tor Vergata Italy; Title: Carbon Nanomaterials in Nanomedicine: applications and interactions with immune cells. Host: Gianni Cesareni
5. 29/11/2015 Houston Methodist Research Institute USA; title: Interaction of Carbon nanomaterials with immune cells: perspectives in Medicine. Host: Ennio Tasciotti
6. 2/7/2015 Cedar Sinai Medical Center, Department of Medicine Los Angeles, USA; title: Nanotechnology in everyday clinical practice: How far are we with carbon nanomaterials? Host: Lauda Tomasi



7. 29/6/2015 Sandford Burnham Medical Discovery Center, La Jolla, San Diego, USA; Title: Carbon Nanomaterials in Medicine: Immune cell Interactions? Host: Erkki Ruoslahti
8. 27-29/5/2015 University of Dresden, Dresden, Germany; title: Issues and promises of carbon nanomaterials for biomedical applications. Host: Gianaurelio Cuniberti
9. 9/04/2015 SIDRA Medical and Research Center, Doha, Qatar; title: New advances in biomedicine from nanotechnology: issues and promise of carbon nanomaterials. Host: Davide Bedognetti
10. 19/5/2013 National Institute of Health, Bethesda USA; title: Carbon Nanotubes for Biomedical Applications. Host: Davide Bedognetti
11. 11/5/2012 University of Trieste, Italy; title: Carbon Nanotubes: applications in medicine. Host: Renato Gennaro
12. 1/7/2011 University of Genoa, Italy; title: Nanotechnology and functionalized carbon nanotubes in Nanomedicine. Host: Andrea De Maria
13. 4/12/2010 CNRS, Strasbourg, France; title: PEGylated carbon nanotubes into T cells. Host: Alberto Bianco

#### **Posters as corresponding author (a short list)**

- 1) 18-21/9/2018 Nanotox Conference, Neuss, Germany; title "*maGO-CaP: a novel graphene-based nanotool for bone regeneration*" (*Awarded for travel grant*)
- 2) 18-21/9/2018, Nanotox Conference, Neuss, Germany; title "*the importance of swine model for the immune characterization of graphene nanomaterials*"
- 3) 16-17/7/2018 Advanced Materials 30<sup>th</sup> Conference, TU Dresden, Germany; "*Graphene-based tool for bone regeneration*"
- 4) 26-29/7/2018, Graphene 2018, Dresden, Germany; title "*maGO-CaP: a novel graphene-based nanotool for bone regeneration*"
- 5) 24-27/6/2017 NanoBiomedSardinia, Alghero, Italy, title "The application of swine model for immune characterization of graphene nanomaterials"
- 6) 24-27/6/2017 NanoBiomedSardinia, Alghero, Italy, title "*Graphene oxide-calcium phosphate: the revolutionary nanomaterial for bone regeneration*"
- 7) 24-27/6/2017 NanoBiomedSardinia, Alghero, Italy, title "*Space scaffolds and bone regeneration in microgravity*"
- 8) 24-27/6/2017 NanoBiomedSardinia, Alghero, Italy; title "*Functionalized nanodiamonds: effects of human immune cells in ex vivo experiments*".
- 9) 10-13/3/2017 Hearth Rhythm society HSR 2017, Chicago, USA; title "*Biocompatibility of Carbon Nanotubes Fibers in Clinical Applications*"
- 10) 7-10/3/2017 NanoSpainConf2017, San Sebastian, Spain; title "*Molecular impact of functionalized nanodiamonds on ex vivo human immune cells response*"
- 11) 16-10/12/2015 4th Nanotoday Conference, Dubai (UAE); title "*Molecular impact of small and large graphene oxide on immune cells*".
- 12) 25-26/11/2015 International Conference NanotechItaly 2015, Bologna, Italy; title "*Graphene oxide with*"

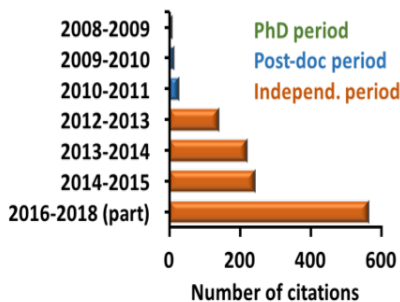
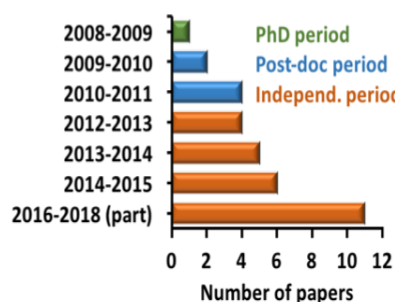
*different shape dimensions impact on immune cells”.*

- 13) 25-27/6/2015 Federation of Clinical Immunology Society FOCIS meeting San Diego, USA; title “*Molecular impact of graphene oxide with different shape dimensions on immune cells*”.
- 14) 15-16/4/2015, BRECI International Conference, Doha, Qatar; title “*Carbon nanomaterials as contrast agents for breast cancer diagnosis and therapy*”.
- 15) 23-27/11/2014, 7th International Symposium On Macro- and Supramolecular Architectures and Materials, Johannesburg, South Africa; title: “*Carbon nanomaterial immunomodulators are able to fight immune function dysregulation in spaceflight conditions*”.
- 16) 26-28/11/2014, Nanotech Italy International Conference, Venice, Italy; tile: “*Carbon nanomaterial immunomodulators are able to fight immune function dysregulation in spaceflight conditions*”.
- 17) 5/12-16/2013, “Nanotech Conference 2013” Washington, USA; title: “*Cystine-functionalized superparamagnetic nanoparticles interaction human immune cells ex vivo*”.
- 18) 21-23/11/2012, “NanotechItaly 2012” Venice, Italy; title: “*Carbon Nanotubes for Biomedical applications*”.
- 19) 4-6/10/2012 “ESMRMB 2012”, Lisbon, Spain; title: “*Cystine-functionalized superparamagnetic nanoparticles on immune cells*”.
- 20) 15-22/4/2012 7th ENII Spring school in advanced immunology, Porto Conte Alghero, Italy; title: “*Carbon nanotubes for biomedical applications.*”
- 21) 3/2012 International conference organized by Nature Publishing Group: Nanotechnology in Biomedicine 2012 Miami Winter Symposium, Miami, USA; title: “*Immunostimulatory Effect of Functionalized carbon nanotubes*”.
- 22) 30/5-1/6/2010 International Conference "EuroNanoForum & Nanotech Europe 2011", Budapest, Hungary; title: “*Functionalized carbon nanotubes on human immune cells.*”

## Publications

Since April 2009, including a maternity leave of 5 months, I published 33 articles in peer-reviewed journals; 19 as senior/corresponding author or first author.

Among all my works, I published 18 peer-reviewed articles in journals with an impact factor (IF)> 5, moreover almost half of them (8) have an IF>9 and for all of them I am the corresponding author (**18 publications IF>5; 8 publications IF>9**). I published 16 articles on leading Nanotechnology journals (i.e. ACSNANO, Nanoscale, Nanomedicine London, Biomaterials, Angewandte Chemie, etc.) and 9 articles on leading multidisciplinary journals (i.e. Nature Communications and PNAS as corresponding author). During my early independent career, I published as corresponding author with continuity in high IF journals thus demonstrating again the groundbreaking nature of my research. Here I report the number of papers and the total citations received during my career (source: Scopus, January 2019). PhD (green), post-doc (blue) and independent (orange) periods are indicated in each graph. My scientific activity in the context of life science and nanotechnology lead to an H-index of 21 (scopus since 2010).



Here the ten most relevant with IF on the right side, in all of them I'm the corresponding author.

1	Avitabile E, Bedognetti D, Ciofani G, Bianco A, <b>Delogu LG</b> . How can nanotechnology help the fight against breast cancer? <i>Nanoscale</i> , 2018.	7.3
2	Toma CC, [...] <b>Delogu LG</b> , Rinaldi R. Immune Profiling of Polysaccharide Submicron Vesicles. <i>Biomacromolecules</i> , 2018.	5.7

3	Orecchioni M, Bedognetti D, Newman L, Fuoco C, Spada F, Hendrickx W, Marincola FM, Sgarrella F, Rodrigues FA, Ménard-Moyon C, Cesareni G, Kostarelos K, Bianco A, <b>Delogu LG</b> . Single cell mass cytometry and transcriptome profiling reveal the impact of graphene on human primary immune cells. <i>Nature Communications</i> , 2017.	12.3
4	Russier R, Léon V, Orecchioni M, Hirata E, Viridis P, Fozza C, Sgarrella F, Cuniberti G, Prato M, Vazquez E, Bianco A, <b>Delogu LG</b> . Few-Layer Graphene Kills Selectively Tumor Cells from Myelomonocytic Leukemia Patients. <i>Angew. Chem. Int. Ed.</i> , 2017.	12.1
5	Orecchioni M, Menard-Moyon C, <b>Delogu LG</b> , Bianco A. Graphene and the immune system: Challenges and potentiality. <i>Adv Drug Deliv Rev.</i> , 2016.	13.6
6	Orecchioni M, Jasim DA, Pescatori M, Manetti R, Fozza C, Sgarrella F, Bedognetti D, Bianco A, Kostarelos K, <b>Delogu LG</b> . Molecular and Genomic Impact of Large and Small Lateral Dimension Graphene Oxide Sheets on Human Immune Cells from Healthy Donors. <i>Adv Healthc Mater.</i> , 2016.	5.1
7	Crescio C, Orecchioni M, Ménard-Moyon C, Sgarrella F, Pippia P, Manetti R, Bianco A, <b>Delogu LG</b> . Immunomodulatory properties of carbon nanotubes are able to compensate immune function dysregulation caused by microgravity conditions. <i>Nanoscale</i> , 2014.	7.3
8	Pescatori M, Bedognetti D, Venturelli E, Ménard-Moyon C, Bernardini C, Muresu E, Piana A, Maida G, Manetti R, Sgarrella F, Bianco A, <b>Delogu LG</b> . Functionalized carbon nanotubes as immunomodulator systems. <i>Biomaterials</i> , 2013.	8.5
9	<b>Delogu LG</b> et al. Functionalized multiwalled carbon nanotubes as ultrasound contrast agents. <i>Proc Natl Acad Sci U S A</i> , 2012.	9.1
10	<b>Delogu LG</b> et al. <i>Ex vivo</i> impact of functionalized carbon nanotubes on human immune cells. <i>Nanomedicine (Lond)</i> , 2012.	5.2

Here the full list of publications, \*=corresponding author.

1. Disentangling structure-activity relationships for graphene-based materials. Bengt F... Delogu LG...and Bianco A. *ACS Nano* 2018
2. Silica and carbon decorated silica nanosheet impact on primary human immune cells. Al Soubaihi RM, Furesi G, Saoud KM, Al-Muhtaseb SA, Khatat AE, Delogu LG\*, Dutta J. *Colloids Surf B Biointerfaces*. 2018 Sep 12;172:779-789. doi: 10.1016/j.colsurfb.2018.09.022.
3. Immune Profiling of Polysaccharide Submicron Vesicles. Toma CC, Aloisi A, Bordoni V, Di Corato R, Rauner M, Cuniberti G, Delogu LG\*, Rinaldi R. *Biomacromolecules*. 2018 Aug 13;19(8):3560-3571. doi: 10.1021/acs.biomac.8b00832.
4. How can nanotechnology help the fight against breast cancer? Avitabile E, Bedognetti D, Ciofani G, Bianco A, Delogu LG\*. *Nanoscale*. 2018 Jul 5;10(25):11719-11731. doi: 10.1039/c8nr02796j.
5. Single cell mass cytometry and transcriptome profiling reveal the impact of graphene on human primary immune cells Orecchioni M, Bedognetti D, Newman L, Fuoco C, Spada F, Hendrickx W, Marincola FM, Sgarrella F, Rodrigues FA, Ménard-Moyon C, Cesareni G, Kostarelos K, Bianco A, Delogu LG\*. *Nature Communications* 8, 2017 doi:10.1038/s41467-017-01015-3
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