



SECONDA UNIVERSITÀ DEGLI STUDI DI NAPOLI

SCUOLA DI MEDICINA

DIPARTIMENTO DI
BIOCHIMICA BIOFISICA E
PATOLOGIA GENERALE

Curriculum vitae et studiorum

Lucia Altucci

Index:

Personal information	pg. 2
Education & degrees	pg. 3
Career, additional commitments	pg. 4
International Expertise in evaluation & quality	pg. 5
Didactics	pg. 6
Award & Honors	pg. 7
Research interests	pg. 8
National Research grants as PI (selected)	pg. 9
International Research grants as PI (selected)	pg. 10
Conferences (or Invited talks, selected)	pg. 11
Societies, Editorial Boards	pg. 13
Patents, Spin Off & Companies	pg. 14
Publication links	pg. 15

PERSONAL INFORMATION

Seconda Università degli Studi di Napoli

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INTERNET SITES

<http://www.dbbpg.unina2.it>

www.unina2.it

<http://www.igb.cnr.it/>

www.altucci.com

Spoken Languages

Italian (mother tongue)

English (fluent)

French (fluent)

Spanish (elementary)

Education & degrees

1. 1992. Degree in **Medicine & Surgery** from the 1st Medical School University of Naples, maximum vote (**Cum Laude**). Thesis in Experimental Oncology: was congratulated by the Commission.
2. 1992. Habilitation to practice Medicine & Surgery
3. 1996. Specialization in **medical Oncology** at the Second University of Naples, supported by an EC grant (4 years). During this period L.A. worked on a collaborative project in the laboratory of Dr M. Parker, Imperial Cancer Research Foundation, London, UK. Thesis defense in medical Oncology (*Cum Laude*);).
4. 1996. Winner of the FIRC fellowship to attend the advanced course on "Cancer treatment" IEO, Milan, IT.
4. 1996. Collaborative project at IGBMC (*Institut de Génétique et Biologie Moléculaire et Cellulaire*), Strasbourg, FR.
6. PhD course in Molecular and Cellular Pathology, University of Naples Federico II. **PhD defense**. Thesis in Molecular and Cellular Biology and Pathology

Career

1997. Supervisor of Oncology at the “short degree ”University course in Infirmery Science, Second University of Naples (S.U.N.).

1997 - 1999, IGBMC, (*Institut de Genetique et Biologie moleculaire et cellulaire*), Strasbourg, FR.

1999. Subsequent to a nation-wide competition LA was appointed on March 1999 the 31st *Assistant Professor at the Second University of Naples (S.U.N.)*

Present Position

2006. LA has been appointed on February 2006 **Associate Professor** in Varese Insubria University. LA has been ‘called’ on Nov 2007 by the II University of Naples, SSD MED/04.

Additional Commitments

From 2009 Lucia Altucci has a ‘free of charge’ commissioned Research job (Incarico di ricerca a titolo gratuito) at the **IGB-CNR** (Istituto di Genetica e Biofisica "Adriano Buzzati Traverso"), Via P. Castellino 111, 80131, Naples, IT.

International Expertise in evaluation & quality (selected)

- Member of ESF panel (panel 2) to revise the scientific quality value of the Bulgarian Academy of Science (2009)
- Member of the evaluation panel within the EU 7th Frame program for the call 'Incurable cancers' both for the 1st and 2nd step of evaluation (2010 and 2011)
- Member of the evaluation panel of INCA, 2010-13 (France)
- Member of the evaluation panel of INNOBIOSANTE evaluation 2008 (France)
- Member of the evaluation panel of ARC evaluation 2009-15 (France)
- Member of the evaluation panel from IGA of the *Ministry of Health of the Czech Republic (2012)*
- Member of the evaluation panel from the Ministry of education of Science of the Russian Federation (2010-15)
- Member of the evaluation panel for the Dutch Cancer Society (2010)
- Member of the evaluation panel of Competence Centre for Estonian cancer research (2012)
- Evaluator of MIUR projects (PRIN)
- Acting as referees for many International Journals such as, for example: Nature, Nature Medicine, EMBO J, EMBO reports, Science, PNAS, Genes & Dev., J.Med.Chem., I.J.B.C.B., M.C.B., Blood, Mol Cell, Cancer Cell, etc.
- Acting as External Evaluator for the ER-Africa Common Call Management. (www.erafrica.eu) 2015
- ANVUR expert and evaluator, IT.
- AVA expert and evaluator, IT
- External evaluator of the Skolkovo Foundation, Russia, 2013-2015
- External evaluator for the INOO-INDIGO, EU-Indian grants, 2015
- External evaluator for the ANR, France, 2016
- External evaluator for the LLC, UK, 2016
- External expert for the Irish academy of Science, 2014-16, UK
- External evaluator for *THE* program (Plancancer), France, 2016
- Expert and evaluator for the COST, H2020 action, 2016

Didactics

LA (has been) or is teaching General Pathology at

Degrees in:

- Medicine & Surgery
- Obstetric sciences
- Radiological techniques
- Nurse sciences
- Technical Sciences applied to Bio-Medicine
- Physiotherapy

School of Specialization

- Immunology for Medical doctors
- Clinical Pathology for Medical doctors and Biologists
- Emergencies for Medical doctors

LA is member of the Collegium of the PhD “Translational Medicine”.

AWARDS & HONORS

- award of the Rotary International;
 - award of the F.R.M. (the French foundation for medical studies)
 - award of the A.R.C. (French association against cancer)
 - EMBO short-term fellowship”
 - ‘*Poste verte*’ (INSERM, France)
- **2002.** Winner of the 1st Price AICC. The price has been given in Milan during the 2002 Meeting of the Italian association for cell cultures in December 2002.
 - **2005.** Winner of the Price Foundation Berlucci for Cancer Research.
 - **2005.** Winner of the International Price de Luca for Medical Doctors applied in Cancer research. The Price was given from the prestigious **Accademia dei Lincei** by Carlo A. Ciampi, at that time President of the Italian Republic.
 - **2010.** Winner of the Presidential gold medal for scientific excellence given by the President of the Italian Republic (Giorgio Napolitano). The medal was attributed for the scientific excellence in epigenetics & cancer.
 - **2010.** Winner of the Start Cup-Campania for the best idea to be applied at industrial level.
 - **2015.** Winner of the 1st price for industrial ideas, **TechHub** competition.

Research Interests

Area: biological systems and human diseases

Focus: **Drug Discovery, pathogenesis & Translational medicine.**

Mechanism of growth regulation, differentiation and apoptosis by epigenetic drugs and nuclear receptors signaling.

Interests: Identification and characterization of mechanism(s) of diseases, with cancer as first hint. In details:

- Identification and mining of genome and epigenome deregulations
- Novel biomarkers of diseases
- Mining & use of epigenome signatures for patient's stratification
- Novel (epi)drugs against cancer
- Novel use for matching of patient's stratification (epi)genome signatures with therapeutic schemes
- Precision and personalized medicine

National Research Grants (selected)

1. "Identificazione di geni coinvolti nella regolazione dell'apoptosi in cellule di leucemia: caratterizzazione dell'azione di nuovi trattamenti a base di retinoidi (funded by the Italian Government: L. R. (Law of 31.12.94) n. 41. proposed in 1999.
2. "Identificazione di nuovi trattamenti che interferiscono sulla regolazione della morte cellulare in leucemie L.R. 31.12.94 n.41 annualità 2000.
3. Finalized project of the Italian 'Ministero della Salute' 2002, RF-182: "Caratterizzazione funzionale e molecolare degli effetti di farmaci interferenti con la trasduzione del segnale e la trascrizione Two years grant; present status: grant ended up in June 2005.
4. Project of relevant national interest PRIN 2004.
5. Project of relevant national interest PRIN 2006.
6. Regione Campania L.5 annualità 2005.
7. Associazione Italiana per la ricerca contro il cancro AIRC MFAG grant.
8. Project of relevant national interest PRIN2008.
9. Associazione Italiana per la ricerca contro il cancro AIRC 2011-2013
10. Programma Operativo Nazionale "Ricerca e Competitività" 2007-2013
PON01_01227: Development of Sirtuin modulators as a novel therapeutic approach in neurodegenerative, oncology and cardiovascular disease. Acronym: 'SIRT-IN'.
11. Programma Operativo Nazionale "Ricerca e Competitività" 2007-2013,
PON01_02782: Novel nanotech strategies for development of drugs and diagnostics for targeting of circulating cancer cells.
12. Progetto Bandiera Epigenomica 'EpiGen', Consiglio Nazionale delle Ricerche 2011-2014.
13. Project of relevant national interest PRIN2012
14. TechHub project for industrial ideas for the Spin-Off (2015)
15. Associazione Italiana per la ricerca contro il cancro AIRC 2016-2018

International Research Grants (selected)

1. EC shared cost RTD action “Targeting chromatin in cancer: Histone deacetylases and differentiation therapy of acute myeloid leukemias” (Acronym: Chromatin and Cancer, contract QLG1-CT2000-01935)
2. EC shared cost RTD action “Synthesis and mechanism of action of novel classes of retinoids and rexinoids with antineoplastic activities” (Acronym: “anticancer retinoids”, contract QLK3-CT2002-02029).
3. 6th European Framework program Integrated Project “EPITRON” Contract 518417
4. 7th Frame program EU project ‘Cancer-Dip’ Contract n°200620.
5. 7th Frame program EU project ‘Apo-sys’. Contract n°200767.
6. **Coordinator** of 7th Frame program EU project ‘ATLAS’ (www.atlas-eu.com) (duration 42m, 2009-2012): ‘Development of Laser-Based Technologies and Prototype Instruments for Genome-Wide Chromatin Immunoprecipitation Analyses’. Contract n° 221952
7. 7th Frame program EU project ‘Blueprint’ Contract n° 282517.
8. World association of Cancer research, previously known as AICR, grant 2015-2018. Grant will stand for 3 years.
9. **H2020** –RISE ‘Ocean Medicines’, 2015-2018.
10. **H2020** COST action: Epigenetic Chemical Biology – Action CM1406.

PARTICIPATION IN SCIENTIFIC CONGRESSES (selected)

2016 *Invited speaker at VARI, USA.*

2016 Invited speaker at the EU, Sept 8, BRU, BE

2016 Organiser of the International meeting 'Chromatin, Epigenome and Drug Discovery training school', 21-23 March.

2016 Organizer of the SIBBM International meeting 'From Single Cell Analysis to Precision Medicine', 16-18 June.

2015 (19-23 Oct) 3rd *International Retinoid Meeting, Gifu, Japan. Invited Speaker*

2015 (26-29 August) *Drug Discovery meeting InnovaBalt, Riga, Latvia. Invited Speaker.*

2015 (20 May), University Policy making, BRU, BE.

2015 (16-17 Apr). *EUA meeting, Antwerp, BE.*

2014 (1 Oct). Epigen meeting, CNR, Rome, IT. **Invited Speaker**

2014 (28-30 May). Stem cell research Italy, Salerno, IT. **Invited Speaker**

2014 (18-20 Feb). EPIGEN meeting, Rome, IT.

2013 (9-12 Nov). IHEC meeting, Berlin, DE.

2013 (13-16 Oct). FEBS Meeting, Translating Epigenome, Capri, IT. **Invited Speaker**

2013 (11-14 Sept). 1st International Retinoid Meeting, University of Calabria, Cosenza, IT.

Invited Speaker

2013 (2-5 June). Epigen meets Epigenesys, PA, IT. **Invited speaker.**

2013 18 April. Taiwan-Italy joint workshop. IGB-CNR, Naples, IT. **Invited speaker**

2013 (13-15 Feb) Joint Workshop on Relationship between Genome and Epigenome, EU commission Research & Innovation, Bruxelles, BE **Invited speaker**

2012 (22 Nov) Meeting Of the Italian Society of experimental Ematology, Florence, IT.

Invited Speaker

2012 (5-8 Sept) IHEC meeting, Seoul, Corea

2012 (21-25 May) Nutrition & Cancer Third international meeting, **speaker and Organizer**

2012 (12-16 Feb) Keystone symposium Sirtuins in Metabolism, Aging and Disease, Tahoe city, Reno, US. **Invited speaker**

2011 (12-16 Nov) AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics, San Francisco, US. **Invited speaker**

2011 (21-23 Nov) 24^o Convegno Annuale dell'Associazione Italiana di Colture Cellulari(ONLUS-AICC), STRUTTURA, MODIFICAZIONI EPIGENETICHE E MECCANISMI DI RIPARO DEL DNA COME BERSAGLIO PER TERAPIE INNOVATIVE ANTITUMORALI. Roma, IT. **Invited speaker**

2011 (18 Oct) Chromatin&Epigenetics@Milan meeting, Milan, IT. **Invited speaker**

2011 (23-24 March) Towards an epigenetic treatment of neoplastic disease, Athens, GR.

Invited speaker

2011 (11-12 March) ECDO Meeting, Homburg, DE. **Invited speaker**

2010 (June) First International Workshop on Epigenetic Cancer Therapy, DKFZ, Heidelberg, Germany. **Invited speaker**

2010 (November) CNIC Meeting, FC Barcelona

2009 (December) Chromatin Remodelling and Human Disease, IRE 1st meeting, Roma, IT.

Invited Speaker

2009 (July) Methylome, Idibell, Barcelona, ES (**speaker**)

2009 (April) Epitron brainstorming meeting, Montenegro. **Speaker**

2008 (23-27 August) 8th EMBL transcription meeting, Heidelberg, DE

2008 (9-10 June) HDAC inhibitors & Cancer 1st workshop, Heidelberg, DE. **Invited**

Speaker.

2008 (15-17 May) SIBBM meeting, Milan, IT. **Invited speaker**

2007 (November) Epigenetics and Cancer, CNIO, Madrid. **Invited Speaker**

2007 (September) Epitron brain storming meeting Crete, Greece **Invited Speaker.**

SCIENTIFIC SOCIETIES

From 1996-2009, member of the AIOM (Associazione Italiana di Oncologia Medica). From 2002, member of the AICC (Associazione Italiana per le Colture Cellulari).

From 2006, member of the SIP (Società Italiana di Patologia).

From 2010 co-founder of the no-profit association 'Le donne per l'arte e la scienza. (<http://www.ledonneperlarteelasienza.it>).

From 2011 Arfacid scientific board member

From 2013, member of SIBBM (Società Italiana di Biofisica e Biologia Molecolare)

EDITORIAL BOARDS

From 2002, Associate Member of the 'Editorial Board' of the Journal '*International Journal of Biochemistry and Cell Biology*'.

From 2006, L Altucci is the Editor of the '*Medicine in focus*' section of the journal.

In 2007, L Altucci edited a special issue of the International Journal of Biochemistry and Cell Biology entitled 'Molecular pathways in cancer'.

From 2009 in the Editorial board of the journal '*Clinical Epigenetics*'

From 2010, in the Editorial board of *American J. Of Cancer Research*

From 2011 in the Editorial Board of *Frontiers in Cancer Molecular Targets and Therapeutics*

From 2011 in the Editorial Board of *Frontiers in Epigenomics*

From 2013 member of the Editorial Advisory Board of the Journal '*Cellular Senescence and Therapy*', edited by Versita, www.versita.com/cst/

From 2013 member of the Editorial Board of JGS (J Genetics Study) HERBERT PUBLICATIONS, UK.

From 2013, Editorial board of the Journal of Cancer Research and Therapeutic Oncology, a new journal launched by Jsolar publishers.

From 2013 member of the Editorial Board of ASR (Applied Scientific Reports) HERBERT PUBLICATIONS, UK.

PATENTS

WO2008125988A1. Novel derivatives of psammaplin A, a method for their synthesis and their use for the prevention or treatment of cancer.

102016000051855. Method for the prognosis and/or treatment of acute promyelocytic leukemia

SPIN OFF & COMPANIES

1. Epi-C, *Epigenetic compounds*, SPIN-OFF of the Second University of Naples
2. Mesogenics

Publications can be consulted at

<http://www.ncbi.nlm.nih.gov/pubmed/?term=altucci+l>

Citations and H-index can be found looking for Lucia Altucci on Google scholar

https://scholar.google.it/scholar?q=altucci+lucia&hl=it&as_sdt=0,5

and/or ISI WEB of knowledge, typing Altucci L

<http://login.webofknowledge.com/>

Currently, she is author of more than 170 international publications and several international book chapters, series and special issues.