

Curriculum Vitae LUCIANA DINI
PERSONAL INFORMATION LUCIANA DINI
Sapienza, Piazzale Aldo Moro, 00185 Roma
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luciana.dini@uniroma1.it

Sex F | Nationality Italian

CURRENT POSITION

SSD (if applicable) Full professor (Full time)

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RESEARCH TOPICS / EXPERIENCES Cell Biology /

Cell Death/

Nanobiotechnology/

Nanotoxicology/

Ultrastructure characterization/

SCIENTIFIC / TECHNICAL QUALIFICATION

(source: Scopus) H-index: 41

No. publications: 226

No. citations: 9646

EDUCATION AND TRAINING

[Start from the most recent.]

1977/07/26 Laurea degree Scienze Biologiche cum laude

WORK EXPERIENCE

[Start from the most recent.]

since 1984/05/01 Researcher

University of Rome Tor Vergata

since 1992/11/01 Associate Professor

University of Lecce whose name was changed in University of Salento, Lecce

since 2000/03/01 Full Professor

University of Salento, Lecce

Since 2018/09/01 Sapienza University of Rome

MAIN ROLES AND RESPONSIBILITIES

[Start from the most recent.]

From 2016/06/15

To now National coordinator of the BIO/06 Full Professor Committee

From 2018/01/01

To now Member of the PhD School in Biology and Biotechnology Sapienza University of Rome

From 2018/01/01

To now Member of the Consiglio Direttivo of CNIS (center for the nanotechnologies) Sapienza University of Rome

From 1995/11/01

To 2018/10/31 Member of the PhD School in Biology and Biotechnology University of Salento

From 2017/09/01

To 2018/08/31 Member of the Senato Accademico University of Salento

From 2005

To 2015 Member of the Giunta di Dipartimento (dept. of Biological and Environmental Science and Technology) University of Salento

From 1993

To 2008/08/31 Responsible for the Faculty of Science of the Socrates/Erasmus/LLP programme

From 2016/09/01

To 2017/09/31 Member of the Osservatorio della Ricerca University of Salento

SERVICE TO NATIONAL AND INTERNATIONAL COMMUNITY

[Start from the most recent.]

From 1994

To now Organization of International Conference, theoretical-practical schools, thematic courses:

-Theoretical-practical course: Electron microscopy applied at the biology (Roma 1991)

Workshop: Electron immunomicroscopy (Roma 1994)

International Conference: Cell Death in Human Pathology (Lecce 1995)

Workshop: Relazione tra struttura e funzioni nel nucleo della cellula (Lecce 1996)

2nd Practical Workshop on Apoptosis ESH/ECDO: Relation between Biochemical and Morphological Events (Lecce 1998)

Workshop: The apoptosis from the biology to the clinical medicine (Lecce 1998)

Theoretical-practical school on scanning electron microscopy (Lecce 1998)

Corso: Controlli ambientali: fibre di amianto (Lecce 1999)

Corso Teorico pratico per lo studio dell apoptosi: tecniche citochimiche, immunocitochimiche e morfometriche (Lecce 1999)

3th Practical Intensive Workshop on 3D Confocal Microscopy (Lecce 2001)

5th Multinational congress on Electron Microscopy (Lecce 2001)

52nd Convegno GEI (Gruppo embriologico italiano) (Otranto June 2006)

-15th Eurasia conference (Rome September 2018)

NanoInnovation 2018-19-20-21-22

TEACHING EXPERIENCE

[List of teaching experience. Start from the most recent.]

From 2018

To now Biomarcatori per il monitoraggio ambientale LM75 6CFU

Sapienza

From 2018

To now Cause Ambientali delle Contaminazioni Alimentari LM70 3CFU

Sapienza

From 2018

To 2021 Biologia Cellulare Laurea Triennale Biotecnologie Agro Industriali 9CFU

Sapienza

From 2019

To 2021 Anatomia Comparata Laurea Triennale Scienze Biologiche 6CFU

Sapienza

From 2007

To 2015 Master I level Data Manager in oncology: expert in the design and management of a clinical study

University of Salento

From 2000

To 2001 Master I level Electron Microscopy: a tool for industrial quality and environmental monitoring

University of Lecce

From 1992

To 2010 Citologia, Istologia ed embriologia Laurea Triennale Biologia 8CFU

Università del Salento

From 2010

To 2018 Citologia ed Istologia Laurea Triennale Biotecnologie 8CFU

Università del Salento

From 1992

2005 Anatomia Comparata Laurea Triennale Scienze Biologiche 6CFU

Università del Salento

From 2010

To 2018 Biologia dello sviluppo Laurea Triennale Biotecnologie 6CFU

Università del Salento

From 1992

To 2010 Biologia dello sviluppo Laurea Triennale Scienze Biologiche 6CFU

Università del Salento

MAIN RESEARCH EXPERIENCE

[List of main research project and research collaborations. Start from the most recent.]

From 2015

To 2021 NEMESI (PON-PNR 2015-2020) (ongoing). Title Nanotecnologie chimiche green per la protezione sostenibile delle piante. MIUR. PI research Unit

2020 Progetto di Ateneo Title

Project Coordinator Prof A.Tata PI Research Unit

2019 Progetto di Ateneo Title

Project Coordinator Prof T.Rinaldi PI Research Unit

From 2015

To 2018 Future in Research (FIR) (2015-2018). Title: Realizzazione di un sistema miniaturizzato di risonanza magnetica nucleare per la diagnosi e il monitoraggio di Glioblastoma (Cod. RYNRTM4). Regione Puglia. PI

From 2013

To 2017 COST ACTION: ENTER ES 1205. Title: Engineered NanoMaterials (ENMs) from wastewater Treatment & stormwater to Rivers. Project coordinator Dr Lars Duyster. Federal Institute of Hydrology, Koblenz (Germany). EU. PI of Research Unit and Grant Holder of the project

From 2014

To 2017 RDH-IRPT (Research and Development in Hadrontherapy-Innovation in Radio and Particle Therapy). Title Nano-amplified targeted therapy Project coordinator Dr. Piergiorgio Cerello, Istituto Nazionale di Fisica Nucleare (INFN)-sezione di Torino. PI Research Unit Photon vs particle cancer therapy: exploiting the role of NMs: the key role of electron microscopy .

From 2008

To 2011 POR PUGLIA (cod. PS029). Title Recupero e valorizzazione delle piante della flora salentina per la produzione biotecnologica di sostanze ad interesse farmaceutico, dietetico e cosmetico . Project Coordinator

From 2005

To 2007 PRIN 2005-2007 Title Proprietà fotodinamiche e citotossicità dell'ipocrellina B acetato, un nuovo substrato fluorogenico di potenziale impiego in terapia fotodinamica . Project Coordinator Prof. Carlo Ettore Pellicciari, Università di Pavia. PI Research Unit

2006 POR PUGLIA 2006. Title Studio di fattibilità per l'utilizzo biotecnologico di coltivazioni di spugne . Project Coordinator

2006 POR PUGLIA 2006. Title Studio della biocompatibilità di polimeri sintetici . Project Coordinator ..

From 2002

To 2004 COFIN 2002-2004. Title Fotosensibilizzanti apoptogeni, potenzialmente impiegabili in terapia fotodinamica . Project Coordinator Prof. Carlo Ettore Pellicciari, Università di Pavia. PI Research Unit

OTHER RELEVANT EXPERIENCES

[List of main other experiences, i.e. constitution of start-up). Start from the most recent.]

From 2001

To 2010 Special Adviser White Helmet Europe Foundation

From 1996

To 1999 Responsible Director of the Journal of S.I.M.E. (Italian Society of Electron Microscopy)

2001- 2010 Special Adviser White Helmet Europe Foundation

2011- now Editorial board of Journal of Cellular and Molecular in Medicine

Referee of national and international scientific journals

Review of European projects and national projects (Italy, Russia, Belgium, Iran, Pakistan)

Patent MI2011A001045: innovative process for the production of Ozonized Olive Oil

Patent deposited: production of cosmetic based on olive residues

Referee of Cineca for different types of projects, included the VQRs from 2004

Spin off: Alice biosources s.r.l

From 2000

To 2001 Director of Master I level Electron Microscopy: a tool for industrial quality and environmental monitoring University of Lecce

From 2000

To 2001 Director of Master I level Electron Microscopy: a tool for industrial quality and environmental monitoring University of Lecce

HONOURS, AWARDS, MEMBERSHIPS, OTHER QUALIFICATIONS

[List of main other experiences, i.e. constitution of start-up). Start from the most recent.]

From 2022/02/02 President of the GEI-SIBSC (Italian society of developmental and cell biology)

From 2016/06/15

To now National coordinator of the BIO/06 Full Professor Committee

From 2019

to 2021 Vice-President of the GEI-SIBSC (Italian society of developmental and cell biology)

From 2003

to 2019 Member of the board of the GEI-SIBSC (Italian society of developmental and cell biology)

2016 Founder member of the society NanoItaly

2005/09 Gold Medal from the Medical State University of Yerevan (Armenia)

2005/09 Degree ad Honorem in Medicine Medical State University of Yerevan (Armenia)

2003/09 Gold Medal from the Medical State University of Yerevan (Armenia)

2003 Who sWho in Science and Engineering

2003 200 outstanding scientists of the 21th century

From 2000

To 2001 Vice-president of the Italian Society of Electron Microscopy

From 1994

To 1996 Member of the board of the Italian Society of Electron Microscopy

1987 Best work in the field of Cellular Biology from the Società Nazionale di Scienze Lettere ed Arti in Napoli

ADDITIONAL INFORMATION

Publications

List of the most relevant publications (up to 5)

Fidaleo M, Tacconi S, Sbarigia C, Passeri D, Rossi M, Tata AM, Dini L. Current Nanocarrier Strategies Improve Vitamin B12 Pharmacokinetics, Ameliorate Patients' Lives, and Reduce Costs. *Nanomaterials (Basel)*. 2021 Mar 16;11(3):743. doi: 10.3390/nano11030743. PMID: 33809596; PMCID: PMC8001893 Vergallo C, Hafeez MN, Iannotta D, Santos HA, D'Avanzo N, Dini L, Cilurzo F, Fresta M, Di Marzio L, Christian C. Conventional Nanosized Drug Delivery Systems for Cancer Applications. *Adv Exp Med Biol*. 2021;1295:3-27. doi: 10.1007/978-3-030-58174-9_1. PMID: 33543453; Panzarini E, Tacconi S, Carata E, Mariano S, Tata AM, Dini L. Molecular Characterization of Temozolomide-Treated and Non Temozolomide-Treated Glioblastoma Cells Released Extracellular Vesicles and Their Role in the Macrophage Response. *Int J Mol Sci*. 2020 Nov 7;21(21):8353. doi: 10.3390/ijms21218353. PMID: 33171763; PMCID: PMC7664451; Hanafy NAN, Quarta A, Ferraro MM, Dini L, Nobile C, De Giorgi ML, Carallo S, Citti C, Gaballo A, Cannazza G, Rinaldi R, Giannelli G, Leporatti S. Polymeric Nano-Micelles as Novel Cargo-Carriers for LY2157299 Liver Cancer Cells Delivery. *Int J Mol Sci*. 2018 Mar 6;19(3):748. doi: 10.3390/ijms19030748. PMID: 29509706; PMCID: PMC5877609.