

CURRICULUM VITAE

Name: **Elisabetta ALBI**
 Birth: Teramo, Italy, 04/06/1960
 Nationality: Italian
 Home Address: Via dei Lillà 92, 06100 Perugia, Italy
 Tel: 0039-075-5857906
 Mobile:3336161158
 e-mail: elisabetta.albi@unipg.it

Education

- 2017** National Habilitation: Full Professor in General Biochemistry (05E1 – BIO10)
- 2017** National Habilitation: Full Professor in Clinical Biochemistry and Clinical Molecular Biology (05E3 – BIO12)
- 2017** National Habilitation: Associate Professor in Clinical Biochemistry and Clinical Molecular Biology (05E3 – BIO12)
- 2016** RTD-B in Biochemistry, Department of Pharmaceutical Sciences. University of Perugia
- 2014** National Habilitation: Associate Professor in Applied Biology (05F1 – BIO13)
- 2014** National Habilitation: Associate Professor in General and Clinical Biochemistry (05E1–BIO10)
- 2003-2006** RTD International First Level Degree “Job Creation Oriented Biotechnology”, Medicine and Surgery Faculty, University of Perugia
- 2000-2002** Temporary Research Associate in the Biology Department, University of Lecce
- 1998-2000** Definite-time Professor in General Pathology, Medicine and Surgery Faculty, University of Perugia.
- 1996** Medical speciality in Clinical Pathology
- 1991** PhD in Cellular and Molecular Pathology
- 1987** Practice of medicine.
- 1986** Degree in Medicine and Surgery, University of Perugia.

Professional Appointments

- 2018** Teaching in the Master “Esperto nell’innovazione di prodotto e processo del settore agroalimentare” UmanaForma - Perugia
- 2017** Commissioned by the publisher Zanichelli to write the University book “Biochimica Clinica e Appunti di Patologia Clinica”
- 2012-2017** Organization of seven International Congress of the Sphingolipid Club
- 2008/2011** Contract for Researcher from the Space Italian Agency.
- 2007** Contract for tutor at the International First Level Degree “Job Creation Oriented Biotechnology”, Medicine and Surgery Faculty, Perugia University
- 2002** Founding member of the International Association “Sphingolipid Club”
- 2005/today** Invitations:
a)as reviewer: Archives of Biochemistry and Biophysics, Autonomic and Autacoid Pharmacology, Biochimica et Biophysica Acta- Molecular and Cell Biology of Lipids, Chemistry and Physics of Lipid - Molecular Cell Research, Expert Review of Endocrinology and Metabolism, FEBS, International Journal of Immunopathology and and Pharmacology, The Neuroscientist, Journal of Neuroscience Research, Apoptosis, Molecular Biology of the Cell,African Journal of Biotechnology,

PLOsONE, Journal of Biology and Nature, International Journal of Biochemistry Research & Review, Neurobiology of Disease.

d) as external revisor: project from Università degli Studi di Milano

e) as external revisor: international projects from The Prostate Cancer Charity research awards 2010/11 (100 Cambridge Grove Hammersmith London); French National Research Agency (ANR) 2011-2012, Czech Science Foundation, 2012.

Editor

2017 Editorial Board Member “Reports”

2017 Editorial Board Member “International Journal of Cancer Biology”

2017 Lead Editor special issue “Sphingolipid in Inflammation” – Mediators of Inflammation

2016 Editorial Board Member “Journal of Enzymology and Endocrinology”

2016 Editorial Board Member “International Science and Medical Journals”

2015 Editor in Chief “International Journal of Pathology and Clinical Research”

2006 Lead Editor “Sphingolipid and Cell Function” Review book - Recent Res. Develop. Biophys. Biochem.

Prizes and awards

2009 Invite for a lecture at Gordon Research Conference on Signal Transduction within the Nucleus in Ventura, California

2009 Biography in 2009-2010 Edition of Who's Who in Medicine and Healthcare

2008 Invite from President of International Astronautic Federation to attend “The International Space Station” UNESCO Headquarters in Paris

1997 Scholarship from “Enrico Puccinelli” Foundation for innovation in biomedical field

1996 Financing from Ametiè “Association for managerial and vocational training in software and information technology in Europe” for protein research programme at the Nutrisub (Bruxelles)

1991/92 Scholarship ERASMUS and scholarship CNR for three months study stay at “Centre National de la Recherche Scientifique” Centre de Neurochimie, Strasbourg Cedex, France

1988 Financing from “Ministero della Sanità” to attend International Congress in Washington

1987 Financing from “Associazione di Biologia Cellulare e del Differenziamento” to attend the Congress in a Santa Margherita Ligure, Italy

1986/87 Pisenti prize for the best thesis degree in “General Pathology”

Research Activities

ERC:

LS1_1 Interazioni molecolari

LS1_2 Biochimica generale e metabolismo

LS3_3 Ciclo e divisione cellulare

LS3_4 Apoptosi

LS3_5 Differenziazione, fisiologia e dinamica cellulare

LS3_8 Trasduzione del segnale

LS3_12 Biologia delle cellule staminali

LS4_4 Invecchiamento

LS4_6 Cancro e sue basi biologiche

LS5_11 Neurological disorders (e.g. Alzheimer's disease, Huntington's disease, Parkinson's disease)

The common element of my research in the different ERC areas is the study of cholesterol and sphingolipids and their cross-talk with vitamin D3 in proliferation, differentiation, apoptosis, aging, neurodegeneration and cancer, in different cellular and animal experimental models.

In the last 15 years she is the author of **43 articles** published in International Journals with medium-high value, of which **she is first or last name in 39 articles**.

Publication record (WOS)

	Total	from 2003
N°lavori	96	76
Citations	1037	612
h-index	19	15

Publication record (SCOPUS)

	Total	from 2003
Citations	1125	676
h-index	20	16

Experiences in the Preparation and/or Execution of Projects

2017 - MIUR funding for basic research

Prin 2017 – Participant in the Unity of Perugia University in the Project “Role of Cholesterol and Sphingomyelin in breast cancer progression and aggressiveness” coordinated by Angelo Sidoni.

ASI DC-DTE 2016- today - Dalla Ricerca alle Applicazioni Spaziali e Cliniche: verifica dell’efficacia di molecole citoprotettive, antiossidanti e radioprotettrici, per facilitarne trasferimento tecnologico” (RASC).

EUROPEAN SCIENCE FUNDATION 2009- International Life Sciences Research Announcement: Research Opportunities for Flight Experiments in Space Life Sciences on the ISS

MIUR - Iniziative per la diffusione della cultura scientifica 2009

L’alimentazione e lo sport nell’età scolare: conoscenze biotecnologiche.

MIUR - Iniziative per la diffusione della cultura scientifica 2007

Le Biotecnologica nelle alterazioni nervose.

Progetto Vigoni 2006

The nuclear lipid rafts in nervous system.

Progetto CIB - finanziamento soggiorno estero 2006

I rafts lipidici nucleari nella differenziazione cellulare.

Socrates Accompanying Measures Project 2006

BIOEDI - Biotechnology Education and Dissemination.

Erasmus Mundus Programme 2006

BIOMEDICAPP - Biotechnology Medical Application.

Consorzio Cresci 2006

Research grant:La nanoscienza nel trattamento terapeutico tumorale con siRNA della sfingomielina-sintasi

MIUR - Iniziative per la diffusione della cultura scientifica 2006

Formazione Biotecnologica nei Giovani.

MIUR – PRIN 2006

Modello A: Role of nuclear lipid signalling in the G1/S transition of the cell cycle. Modello B: Role of intranuclear diacylglycerol, ceramide and sphingosine in the G1/S transition of the cell cycle.

Regione Umbria 2006 - Bando Obiettivo 3 Post-Diploma e Alta Formazione Misure C3-D4 2006

Sviluppo di materiali biocompatibili.

L’uso delle micro e nano tecnologie nella diagnostica.

Cassa di Risparmio di Perugia 2006 - Microdomini nucleari di sfingomielina e colesterolo come targets di farmaci antitumorali

ASI 2006 - New targets of the radiation induced apoptosis: intranuclear lipids.

MIUR - Iniziative per la diffusione della cultura scientifica 2005

La diffusione della scienza biotecnologia.

Vinci Programme 2005

- Anticorpi antifosfolipidi come markers precoci di patologie tromboemboliche
- Regione Umbria - Bando Obiettivo 3 Post-Diploma e Alta Formazione Misure C3-D4 2004-2005
- Bioteecnologie orientate alla creazione d'impresa: esperto in biologia cellulare e molecolare.
- Bioteecnologie orientate alla creazione d'impresa: esperto in imprese biotecnologiche.
- Applicazioni Mediche delle Bioteecnologie.
- Cassa di Risparmio di Perugia 2004-2005 - Modificazioni della sfingomieline nucleare nelle cellule di linfoma.
- Consorzio Cresci 2004 - Research grants:
 - Ruolo dei raft lipidici nucleari
 - Ruolo della sfingomieline nucleare nell'apoptosi delle cellule embrionali di ippocampo –

Experiences and skills as a coordinator

- 1993/oggi** – Responsible for the laboratory of “Biopathology of Nuclear Lipids” – Physiopathology section – Department of Clinical and Experimental Medicine – University of Perugia until 2012. Then she has created the laboratory of “the Role of Nuclear Lipids” in “Centro di Ricerca-Laboratorio Analisi – CRABiON di Perugia”. At the moment she follows a research group in the Department of Pharmaceutical Science, University of Perugia.
- 2007/2008** - Commission of Coordinator of the International First Level Degree “Job Creation Oriented Biotechnology”, and of International Master in “Biotechnology Medical Application”.
- 2001-2002** Commission of Coordinator of the International First Level Degree “Job Creation Oriented Biotechnology”, Medicine and Surgery Faculty, Perugia University

Collaborations

- John Wayne Cancer Institute - Santa Monica, USA - Myles Cabot -
- Semmelweis University - Budapest, Hungary - Gyorgy Kéri
- Stony Brook Cancer Center - NY - Yusuf A. Hannun
- Centre de Recherche en Cancérologie de Toulouse (CRCT), INSERM, Toulouse, France - Thierry Levade
- Institute for Advanced Chemistry of Catalonia - Girona, Barcellona, Spain - Gemma Fabrias
- University of the Basque Country/ CSIC - Leioa, Spain - Félix M. Goni
- University of Southampton - Faculty of Natural and Environmental Sciences - George S. Attard
- Semmelweis University - Budapest, Hungary - Laszo Orfi
- Medical University of Bialystok - Bialystok, Poland - Jan Górski
- Vanderbilt University Medical Center - Nashville, TN - Susan R. Wentz
- The Ohio State University, Columbus, Ohio - Akhlaq A Farooqui
- Centro Biología Molecular Severo Ochoa, Nicolas Cabrera 1 Madrid, Spain – Ledesma Maria Dolores
- Klinikum der Goethe-Universität, Frankfurt/Main, Germany - Grösch Sabine
- Emanuel Institute of Biochemical Physics of the Russian Academy of Sciences, Moscow, Russia - Alesenko Alice V.
- Inserm U 1127, CNRS UMR 7225, Sorbonne Universités, UPMC Univ Paris 06 UMR S 1127, Institut du Cerveau et de la Moelle épinière, Paris, France - Hunot Stéphane
- NANOBMAT Company, GmbH Hamburg, Germany - Mohammadreza Saboktakin.

Author of more than 160 publications (original articles, reviews, published abstracts)

Perugia, 20.12.2018

Prof. Elisabetta Albi