

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

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Nationality Italian
Date of birth D/M/Y 15/12/1957
Sons 1 DAUGHTER (RAFFAELLA BORN ON 23/06/1989)

ORCID NUMBER

[HTTP://ORCID.ORG/0000-0002-1359-0869](http://ORCID.ORG/0000-0002-1359-0869)

WORK EXPERIENCE • Dates (from – to)

2006- present

Primo Ricercatore (Senior Researcher)

Scientific research. Scientific writing. Direction of research laboratory. Organization of network financed by EC and COST, responsible of collaborative research projects CNR/PAN and CNR/RAS. Scientific divulgation and science-school project management. Company consultancy. Managerial activity and entrepreneurship.

ISOF- CNR Via P. Gobetti 101, Bologna

Research in organic and bioorganic chemistry

- a) Radical-based damage to nucleic acids and nucleosides
- b) Formation of trans lipids in biological membranes
- c) Modified liposomes as biomimetic models
- d) Radical-based degradation of sulfur-containing proteins
- e) Biomolecule transformations by free radicals and relationship with human diseases
- f) Cell Membrane lipidomics, biomarker discovery, integrated panels for diagnostics

Training and teaching activity

- g) Preparation and training of students and PhDs
- h) Formative activity for professionals in health care
- i) University courses teaching
- j) Science writing

Organic chemistry, bioorganic chemistry, chemical biology, biology

June 2018

Expert for the Italian Ministry of Education, University and Research (MIUR) in the REPRIZE list for:

- Basic research
- Industrial research for competitiveness and social development

MIUR.AOODGRIC.REGISTRO_REPRIZE.0012381.13-06-2018

• **PREVIOUS WORK EXPERIENCE**

Dates (from – to)

2001-2006

Researcher at CNR, ISOF
Scientific research and science divulgation
ISOF- CNR Via P. Gobetti 101, Bologna
Organic chemistry, bioorganic chemistry, chemical biology

1983-2001

University permanent fellow: researcher
Research and teaching.
University of Napoli “Federico II”, Napoli
Radical chemistry, organic chemistry

1990-1991

Temporary Professorship
Organic Chemistry for Biology Courses
Università della Calabria, Arcavacata di Rende, Cosenza
Organic chemistry

1983

Postdoctoral fellow
Research
University of San Diego, Department of Chemistry, La Jolla, San Diego ,
California
Organic synthesis

1981-1983

Assistant
Research, teaching
University of Napoli “Federico II”, Napoli
Organic chemistry

1979-1981

Assistant
Research, teaching
University of Napoli, Faculty of Pharmacy, Napoli
Medicinal chemistry

EDUCATION AND TRAINING

• Dates (from – to)

• *Name and type of organisation
providing education and training*

• *Principal subjects/occupational
skills covered*

• Title of qualification awarded

• Level in national classification
(if appropriate)

1981

HOSPITAL PHARMACY PhD

Medicinal chemistry

Università di Napoli

50/50 cum laude

1979

PHARMACY DEGREE

Medicinal chemistry, organic chemistry

Università di Napoli

110/110 cum laude

**PERSONAL SKILLS
AND COMPETENCES**

Mothertongue

Italian

Other language(s)

Self-assessment

European level

(*)

Language

Comprehension		Spoken		Writing
Listening	Reading	Spoken interaction	Spoken production	Written production
English	English	English	English	English

**ORGANISATIONAL SKILLS
AND COMPETENCES
LAST 5 YEARS**

1- Coordination of Research projects:

ACTUAL:

2018 - today – Director of the “Accademia dei Meccanismi Molecolari” at the CNR, Bologna, an initiative for the knowledge advancement of health professionals.

2017-2020 – REP-EAT partner of University of Teramo (Horizon 2020 MSCA-COFUND-Rep-Eat - G.A. n. 713714) for training of the ESR 4.

2017-2021 – MC Member of the COST Action CA16112 “Personalized Nutrition in aging society: redox control of major age-related diseases, NutRedOx”

2015-2018: Horizon2020 – *Marie Skłodowska Curie Actions – Innovation Training Networks (ITN)-ETN* – ClickGene “Click Chemistry for future gene therapies to benefit citizens, researches and industry” (Project # 642023) – Principal Investigator

2015-2017 – Fondazione Di Bella - *A.I.A.N. - Modena* – “Release formulations for somatostatin” - Responsible

2014-2017 –Eurostars EUREKA Lipidomel (E!7348) – Development of antioxidants formulations for overweight and oxidative stress. Principal Investigator

PAST-RESPONSIBILITIES

2012-2016 - COST Action CM1201 “Biomimetic Radical Chemistry” –Working Group 3 Leader “*Membrane Stress, Signalling and Defences*” –

2009-2012 – Responsible of the CNR project PM.P06.006 / Biomimetic models and related biomarker of radical stress

2008-2012 – Italian coordinator responsible of the joint CNR-RAS project “Quinone compounds as hydrogen-atom-donating agents”

2007-2011 – Participant of the COST Action CM0603 : Free Radicals in Chemical Biology”

2008-2010: Responsible for the bilateral project CNR-RAS “Radical stress biomarkers for membrane lipidomics”

2009-2013- Responsible of the CNR project: Biomimetic models of radical stress and related biomarkers” for the CNR Research Agenda 2009-2011

2010-2012: Responsible for the bilateral project CNR-RAS: The effects of H-atom donors with quinone compounds: the molecular basis for protective biological activities

2007-2011 - COST Action CM0603 “Free Radicals in Chemical Biology” – Responsabile Working Group 1 “Geometrical trans lipid isomers”

2003-2006 Research Training Network MARIE CURIE: Selective formation and biochemistry of oxidative clustered DNA damage [CLUSTOXDNA] Contract no: MRTN-CT-2003-5050862002-2005 - Research Training Network MARIE CURIE: Sulfur radical chemistry and biological significance: the protective and damaging roles of thiol and thioether radicals [SULFRAD] Contract no: HPRN-CT-2002-00184

2- Project of dissemination and science divulgation for high schools

2004-2006– Inventor and direction of the project “Il linguaggio della ricerca” officially recognized by the Italian Ministry MIUR (decreto prot. 6781/C12bis del 16/3/05).

3- Organization of scientific events and meetings:

PRESENT

2007-today– Scientific directorship of dissemination and educative courses (ECM)

for health professionals

PAST

2016 – School of Molecular Medicine – National Institute of Health, Rome – Co-Directorship

2014-2015 Meetings of Molecular Medicine – National Institute of Health, Rome

2015 – Congress event ECM - Results of the FAT PHARMACY as prevention trial in Italy (prevention in Pharmacy)

2015 – Scientific direction of three events of Lipidomics and personalized molecular medicine, CNR Bologna

1984-1992 – Secretariat of the “Ischia Advanced School of Organic Chemistry”

1994 – Organizing committee of the NATO-Advanced Study Institute dal titolo “Chemical Synthesis: Gnosis to Prognosis”

2004-2010– Organizing committee and presidency of the dissemination project “The language of Research” CNR, Bologna

2010- EUCHEM Conference on Free Radicals (June 2010, Bologna)

2008 –Working Group meeting COST Action CM0603 Bologna

2007 – Kick-off meeting of the COST Action “Free Radicals in Chemical Biology” CM0603, Rome

2009 – EUCHEM Conference on Organic Free Radicals, Bologna

4- Managerial activity:

2006 - present – Direction of the R&D of the spin-off company Lipinutragen srl

2005 – Co-founder of Lipinutragen srl, spin-off company of the CNR

**TECHNICAL SKILLS
AND COMPETENCES**

- 1- Direction of research laboratory
- 2- Responsible of research project
- 3- Teaching activity for PhD and university courses
- 4- Expert in science dissemination
- 5- Scientific responsible of training courses for professionals in health care
- 6- Expert in analytical chemistry (chromatography, GC/MS, NMR, HPLC, LC/MS, separation, distillation).
- 7- Experience in formation and training for students, PhD and post-doc in Chemistry, Biotechnology, and Biology.
- 8- Expert in science writing
- 9- Expert in nutraceutical formulations
- 10- Consultancy activity for pharma-nutra companies:
 - 2015-2019- Di Bella Foundation
 - 2016 – PhenBiox srl
 - 2015 – AgricolaGrains for EXPO2015 – NutraOils project
 - 2012- Giuliani spa, Milan
 - 2010- 2012 –XEDA International SA, France – essential oil formulations
 - 2009-2011 –DIFA COOPER SPA, Milan
 - 2001-2006 – Biochimici PSN Derma, Bologna (Italy) now acquired by Rottapharm Madaus spa

**ARTISTIC SKILLS
AND COMPETENCES**

Computer and programs (MAC and PC, Windows, Office)
Graphic programs (Origin, Excel) Writing programs (Word)
Drawings (ChemDraw, Adobe Illustrator)
Web data bases, internet and library search
Attendance of Course for ISO17025

DRIVING LICENCE(S)

B

ADDITIONAL INFORMATION

2010 – ITWIIN Award for The Best Italian Innovator Woman

ISI peer-reviewed publications: 175

Contribution in books: 16

Books as author: 2

Patents: 4

GOOGLE SCHOLAR CITATION INDEX: H-index 37



OTHER INTERESTS

READING, MUSIC, DANCE

COOKING

ANNEXES

NO ANNEXES

**" Il sottoscritto, consapevole che le dichiarazioni mendaci, la falsità negli atti e l'esibizione di atto falso o contenente dati non più rispondenti a verità sono puniti dal codice penale e delle leggi speciali in materia, dichiara la veridicità delle informazioni contenute nel presente curriculum. Autorizza, altresì, il trattamento dei dati personali ai sensi del D.lgs196/03 e della normativa vigente in materia, esclusivamente ai fini degli adempimenti necessari per la corretta registrazione di eventi formativi validi ai fini del programma nazionale di Educazione Continua in Medicina.
In fede**

Carla Ferreri

Bologna, June 21, 2019