

# Antonino Lauria

## Curriculum vitae

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### Personal Details

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Name: **Antonino Lauria**  
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Researcher unique identifiers: **ORCID: 0000-0002-5116-6815**  
**ResearcherID: I-3412-2013**  
**Scopus Author ID: 7003512685**

Date and Place of Birth: [REDACTED] **Palermo, Italy**

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### Education

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Professionally qualified as a Chemist (board exams passed on May 1995)

University: University of Palermo, Italy

MSc Chemical Sciences - University of Palermo, Italy

Date: December 23, 1994 (cum laude)

Main subject: Organic chemistry

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### Current position

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December 2021 - today

Full professor – Pharmaceutical Chemistry (CHIM/08)

Università degli Studi di Palermo– Department of Biological, Chemical and Pharmaceutical Sciences and Technologies (STEBICEF)

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### Previous positions

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April 2006 – December 2021

Associate professor – Pharmaceutical Chemistry (CHIM/08)

Università degli Studi di Palermo– Department of Biological, Chemical and Pharmaceutical Sciences and Technologies (STEBICEF)

Director of the school of specialization in Hospital Pharmacy (2018-2023)

**1996–2006** he was Assistant Professor in Medicinal Chemistry at the Faculty of Pharmacy (University of Palermo, Italy).

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### International research experiences

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**2009** (May - June 2009) he joined the National Cancer Institute in Frederick (MD, USA) as visiting researcher, where he worked on the antiproliferative screening protocol on standard NCI panels of human tumour cell lines.

**2003-2004** (August 2003 - March 2004) he joined the research group of Prof. Alan R. Katritzky at the University of Florida in Gainesville (FL, USA) working on *in silico* studies applied on properties/activities of heterocyclic compounds.

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### Teaching activities

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Since 2006 he is holder of the university cathedra of “Metodologie speciali in analisi farmaceutica” (Special methodologies in pharmaceutical analysis). Moreover, since 2002 he has taught more than ten university courses in the faculty of pharmacy and in the postdoctoral school in pharmacy.

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### Supervision of graduate students and postdoctoral fellows

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He has been supervisor of more than fifty university graduates' theses (degrees in “Chemistry and technology pharmaceutical” and “Chemical sciences”), and academic tutor for more than sixty trainees in pharmacy. He was supervisor of eighth PhD students (four in medicinal chemistry, two in chemical sciences) and one Post Doc student.

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### Research activity

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His scientific career started in 1996 as Lecturer in medicinal chemistry at University of Palermo. In the first years, he worked on synthesis of heterocyclic compounds with antiproliferative activity. After the experience in USA, where he worked in the research group of Prof A.R. Katritzky (more than 2300 publications in ISI journals), his interests were driven to molecular modelling.

He has been engaged in different collaborations. In connection with the research topics of Prof Macario (USA) and Prof Cappello (Italy) he is involved in the study of Heat Shock Protein 60, a novel target for antitumor therapy, in which he developed the molecular modelling section. Recently, he has become interested in the G-quadruplex field, as demonstrated by the last publications.

Moreover, at the moment two of his PhD students, are focusing their research on molecular modelling studies and synthesis of heterocyclic compounds with G-quadruplex stabilizer capability.

He is co-author of **118 papers published on ISI** recognized international journals (e.g. Journal of Medicinal Chemistry, Current Medicinal Chemistry, European Journal of Medicinal Chemistry), with **H-index 32**. He has been involved in several research projects and he has actively participated in the elaboration of several of them, as demonstrated by the number of papers in which he is first name (30), corresponding author (19), and last name (11).

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### He is referee in ISI recognized international journals as:

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- Journal of Medicinal Chemistry
- European Journal of Medicinal Chemistry
- Bioorganic and Medicinal Chemistry
- Bioorganic and Medicinal Chemistry Letters
- QSAR & Combinatorial Science
- International Journal of Biological Macromolecules
- Molecular Diversity
- Journal of Molecular Modeling

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### Major collaborations

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- Prof Alberto J. L. Macario, M.D. of department of Microbiology and Immunology School of Medicine, University of Maryland at Baltimore, USA.
- Prof. Péter Mátyus, department of Organic Chemistry, Semmelweis University, Budapest, Romania
- Prof Francesco Cappello, Dipartimento di Biomedicina Sperimentale e Neuroscienze Cliniche, Facoltà di Medicina e Chirurgia – Palermo, Italy.
- Dr Francesco Mingoia, Istituto per lo Studio dei Materiali Nanostrutturati, CNR - Palermo, Italy.

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### Member of the organizing committee of:

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- Convegno Regionale della SCI – Sezione Sicilia, Dicembre 2000, Palermo (Italy)
- 20Th International Congress of Heterocyclic Chemistry, 31 Luglio-5 Agosto 2005, Palermo (Italy).
- 29th Winter Meeting Pharmacology and Molecular Mechanism Group (PAMM 2008), January 2008, Palermo (Italy).
- XXI National Meeting on Medicinal Chemistry della Divisione di Chimica Farmaceutica della Società Chimica Italiana, 17-20 Luglio 2012, Palermo (Italy).