

## **Livio Brasili- Curriculum scientifico**

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### EDUCATION

1976	Degree (Laurea) in Chimica e Tecnologia Farmaceutiche (110/110 laude)
December 1979	Visiting Prof. R. Furchgott 's (Nobel Price 1998) laboratories at Department of Pharmacology at State University of New York (SUNY) Downstate Medical Center
1977-1979	Post-doctoral c/o McGill University –Montreal, Canada
1982 -1983	Scholarship CNR c/o Pharmacologisches Institute, Universitat Zurich
1989-1990	Scholarship NATO-CNR c/o Istitut Armand-Frappier/ Biochem Pharma, Laval- Montreal Canada

### ACCADEMIC POSITIONS

1980-1981	Lecturer - <i>University of Camerino</i>
02/1982-08/1982	Visiting Research- Pharmacologisches Institute, Universitat Zurich
09/1982-05/1982	Assistant- Pharmacologisches Institute, Universitat Zurich
1983-1987	Researcher - <i>University of Camerino</i>
1986- 1989	Rector Delegate within " Comitato per lo Sport Universitario" – <i>University of Camerino</i>
1987-1990	Associate Professor - <i>University of Camerino</i>
1989-1990	Visiting Professor- Istitut Armand-Frappier, Laval- Montreal, Canada
1990-	Full Professor- University of Modena
1995-2001	Delegate of the Facolty of Farmacy within "University of Modena Linguistic Centre"
1995-1998	Director of the "University of Modena Linguistic Centre"
2001-2007	Director of the Department of Pharmaceutical Science
2010-	President of the course of "Chemistry and Pharmaceutical Tecnology"

### Affiliation to Scientific Society

Medicinal Chemistry Division of Italian Chemical Society: elected member of Exsecutive Commission of the Division since 2004-2009 e vice-President since 2007-2009;

### Peer reviewer acticity

Scientific Journal	Journal of Medicinal Chemisry Medicinal Chemitsry Research Bioorganic and Medicinal Chemistry Letters
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Istitution	MIUR: PRIN et al. University (Confidential);
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National Institute of Health;  
Foundation pour la Recherche Medicale (France)  
VQR 2005-2010

### Research Activity

His experiences are in the synthesis, structural determination and biological evaluation of several classes of compounds, listed below and grouped for research area: cholinergic system: cyclopentanes, 1,3-dioxolanes and 1,3-oxathiolanes, structurally correlated to muscarine as muscarinic agonists and antagonists. Polymethylen tetraamines as muscarinic antagonists selective for M2 receptor subtype. Adrenergic system: tetraamine disulphides as irreversible antagonists; 1,4-benzodioxanes, chinazolines as alpha adrenergic competitive antagonists; imidazolines as agonists and antagonists and as selective ligands for imidazoline receptors. antiviral: 1,3-dioxolan- and 1,3-oxathiolan-nucleosides as new reverse transcriptase inhibitors and active against HIV (one of them is in phase III clinical trials). The results of this research have been reported in 90 articles in international journals, numerous communications in national and international congress and in few patents.

Other. (es. attività di coordinamento scientifico, organizzazione congressi, ecc.)

Local Co-Ordinator of PRIN: 1997/99/01/03/05/07

Congress and Meetings:

- XIX National Meeting on Medicinal Chemistry-Verona, 14-18 september 2008: Chair of Organizing Committee and Member of the Scientific Committee;
- XIII (18-21 Maggio, 2008) e XII ( 21-24 Maggio, 2006) Meeting on "Heterocyclic Structures in Medicinal Chemistry", Palermo: Member of the Scientific Committee;
- XVIII Convegno Nazionale della Divisione di Chimica Farmaceutica, Chieti, 16-20 settembre 2007: Member of the Scientific Committee;
- Second Joint Italian-Swiss Meeting on Medicinal Chemistry, Modena, 12-16 September, 2005: Chair of Organizing Committee and Member of the Scientific Committee;
- XVII Convegno Nazionale della Divisione di Chimica Farmaceutica, Pisa, 6-10 settembre 2004: Member of the Scientific Committee;
- 16th Camerino-Noordwijkerhout Symposium: An Overview of Receptor Chemistry, Camerino, 9-13 settembre, 2007: Member of the Scientific Committee;
- 14th Camerino-Noordwijkerhout Symposium: Ongoing Progress in the Receptor Chemistry, Camerino, 7-11 settembre, 2003: Member of the Scientific Committee;
- 12th Camerino-Noordwijkerhout Symposium: Receptor Chemistry Towards the Third Millennium, Camerino, 5-9 settembre, 1999: Member of the Scientific Committee;
- 10th Camerino-Noordwijkerhout Symposium: Perspectives in Receptor Research, Camerino, 8-12 settembre, 1995: Member of the Scientific Committee;
- 8th Camerino-Noordwijkerhout Symposium: Trends in Receptor Research, Camerino, 8-12 settembre, 1991: Member of the Scientific Committee;
- 6th Camerino-Noordwijkerhout Symposium: Recent Advances in Receptor Chemistry, Camerino, 6-10 settembre, 1987: Member of the Organizing Committee;

Corso di Laurea Magistrale a Ciclo Unico in **Chimica e Tecnologia Farmaceutiche**

-2nd Camerino Symposim: Recent Advances in Receptor Chemistry, Camerino, 5-8 settembre, 1983: Member of the Organizing Committee;

-Member of the Editorial Board of:

- Medicinal Chemistry Research (Birkhauser);
- Current Chemical Biology (Bentham Sciences Publisher);