

Andrea Rinaldi

Professore Associato

SSD: BIO/10 Biochimica

Dipartimento di Scienze e Tecnologie Biomediche, Sez. Chimica Biologica

Cittadella Universitaria

Tel.: +39 070 6754521

Fax: +39 070 6754527

e-mail: [rinaldi\(at\)unica .it](mailto:rinaldi(at)unica.it)

ATTIVITA' DIDATTICA

- Biochimica ([CdL Medicina e Chirurgia](#))
- Biochimica ([CdL Infermieristica](#) , [Ostetricia](#))
- Biochimica ([CdL Ostetricia](#))
- Biochimica ([Scuole di specializzazione in Genetica Medica](#) e [Psichiatria](#))

ATTIVITA' DI RICERCA

- Struttura e funzione di peptidi antimicrobici
- Simbiosi ectomicorrizica

ELENCO DELLE 10 PUBBLICAZIONI CARATTERIZZANTI

1. Giuliani A, Pirri G, Bozzi A, Di Giulio A, Aschi M, Rinaldi AC. Antimicrobial peptides: natural templates for synthetic membrane-active compounds. Current Protein and Peptide Science, IN PRESS

2. Bozzi A, Mangoni ML, Rinaldi AC, Mignogna G, Aschi M. Folding propensity and biological activity of peptides: the effect of a single stereochemical isomerization in structural and mechanical properties of bombinins in aqueous solution. *Peptides*, IN PRESS
3. Barra D, Rinaldi AC. Immunità innata. In: *Enciclopedia Medica Italiana* (L. Vella, ed.), III° Aggiornamento, pp. 1588-1606, UTET, Torino, Italy, 2007
4. Comandini O, Contu M, Rinaldi AC. An overview of *Cistus* ectomycorrhizal fungi. *Mycorrhiza* 16, 381-395, 2006
5. Giacometti A, Cirioni O, Ghiselli R, Mocchegiani F, Orlando F, Silvestri C, Bozzi A, Di Giulio A, Luzi C, Mangoni ML, Barra D, Saba V, Scalise G, Rinaldi AC Interaction of temporin L with lipopolysaccharide in vitro and in experimental rat models of septic shock caused by gram-negative bacteria *Antimicrobial Agents and Chemoterapy* 50, 2478-2486, 2006
6. Rinaldi AC, Bonamore A, Macone A, Boffi A, Bozzi A, Di Giulio A. Interaction of *Vitreoscilla* hemoglobin with membrane lipids. *Biochemistry* 45, 4069-4076, 2006
7. Mura A, Medda R, Longu S, Floris G, Rinaldi AC, Padiglia A. A Ca^{2+} /calmodulin-binding peroxidase from *Euphorbia latex*. Novel aspects of calcium-hydrogen peroxide cross-talk in the regulation of plant defenses *Biochemistry* 44, 14120-14130, 2005
8. Mangoni ML, Barra D, Simmaco M, Bozzi A, Di Giulio A, Rinaldi AC. Microscopic analysis of the effects of the antimicrobial peptide temporin L on cell morphology, membrane permeation, and viability of *Escherichia coli*. *Biochemical Journal* 380, 859-865, 2004
9. Nuytinck J, Verbeken A, Leopardi M, Pacioni G, Rinaldi AC, Comandini O. Characterization of *Lactarius tesquorum* ectomycorrhizae on *Cistus* sp., and molecular phylogeny of related European *Lactarius* taxa. *Mycologia* 96, 272-282, 2004
10. Dawson DA, Scott BD, Ellenberger MJ, Pösch G, Rinaldi AC. Evaluation of dose-response curve analysis in delineating shared or different molecular sites of action. *Environmental Toxicology and Pharmacology* 16, 13-23, 2004