

## LA RICERCA FARMACOGNOSTICA: PAOLA ZANOLI

### A) INFORMAZIONI PERSONALI

NOME	Paola	E-mail	zanoli.paola@unimore.it
COGNOME	Zanoli		
POSIZIONE	Professore Associato		

### B) AFFILIAZIONE

ISTITUZIONE	Dipartimento di Scienze Biomediche dell'Università di Modena e Reggio Emilia	Web: http://	
LABORATORIO	Sezione di Farmacologia	Web: http://	
INDIRIZZO	Via Campi 287, 41100 Modena		
TELEFONO	059 2055165		
FAX	059 2055376		

### C) COMPONENTI DEL GRUPPO DI RICERCA

#### Team leader

1	Paola Zanoli	Professore associato
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#### Others

2	Augusta Benelli	Professore associato
3	Manuela Zavatti	Assegnista
4	Gianluca Carnevale	Dottorando

### D) LINEE DI RICERCA

- Neuropharmacological activity of medicinal plant or natural compounds
- Influence of medicinal plants and their constituents on male and female rat sexual behavior
- Antiosteoporotic activity of phytoestrogenic compounds in ovariectomized rats

### E) TECNOLOGIE

#### Neurobehavioral pharmacology:

- evaluation of locomotor behavior by means of a camera connected to a computerized system
- test for anxiolytic activity (elevated plus maze; light/dark test; open field test)
- test for antidepressant activity (forced swimming test; learned helplessness)
- test for sedative activity (pentobarbital sleeping time; picrotoxin-induced convulsions)
- evaluation of sensory-motor deficit
- evaluation of learning and memory deficit (passive avoidance test; water maze test; object recognition test)

#### Study of sexual behavior:

- in the male rat: test of copulatory behavior for the evaluation of the appetive and consummatory aspects of male sexual behavior (determination of mount, intromission, ejaculation latencies, mount

and intromission frequency; post-ejaculatory interval; multiple ejaculation test; partner preference test)

-in the female rat: test for the evaluation of proceptive and receptive behavior (determination of lordosis quotient and lordosis rating; number of proceptive behaviors; partner preference test; paced mating behavior test)

Study of antiosteoporotic activity:

-histological and histomorphometric analysis of lumbar vertebrae and femurs

-biochemical assays for the determination of bone biomarkers