



# LABORATORIO DI CHIMICA FARMACEUTICA

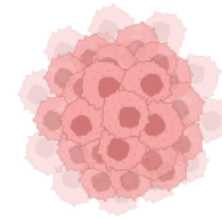


- Prof.ssa Alessandra Bisi
- Prof.ssa Silvia Gobbi
- Prof.ssa Federica Belluti

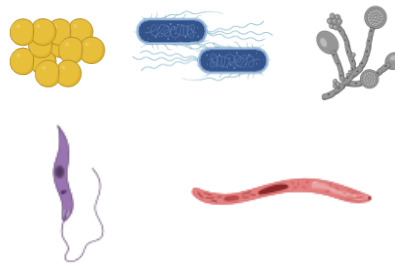
# ARGOMENTI DI TESI



MALATTIE  
NEURODEGENERATIVE



ANTITUMORALI



MALATTIE  
PARASSITARIE

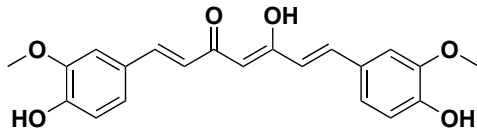
# Come si imposta un lavoro sperimentale?



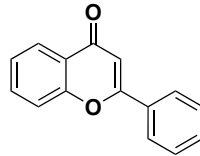
- Ricerca bibliografica
- Progettazione di una library di molecole
- Strategia sintetica

# 1. STRATEGIA DI DRUG DISCOVERY

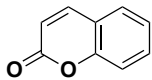
## SCAFFOLD NATURALI



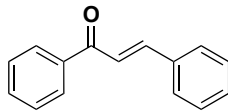
Curcumina



Flavone

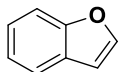


Cumarina

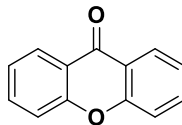


Calcione

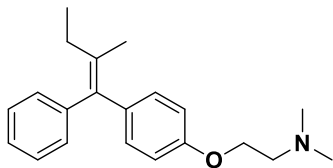
## SCAFFOLD SEMI-SINTETICI



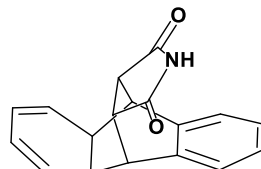
Benzofurano



Xantone



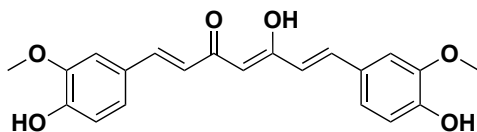
Tamoxifene



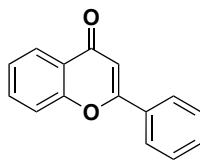
Derivato antracene

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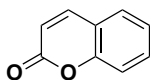
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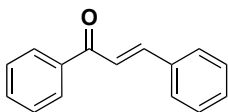
Curcumina



Flavone

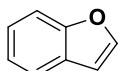


Cumarina

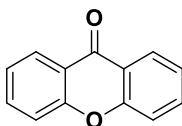


Calcione

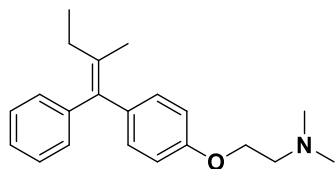
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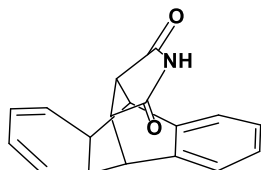
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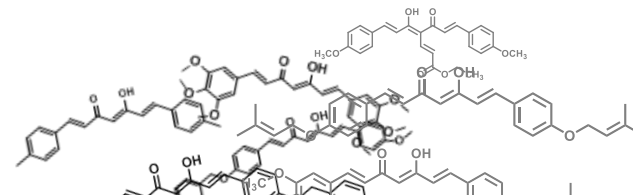


Tamoxifene



Derivato antracene

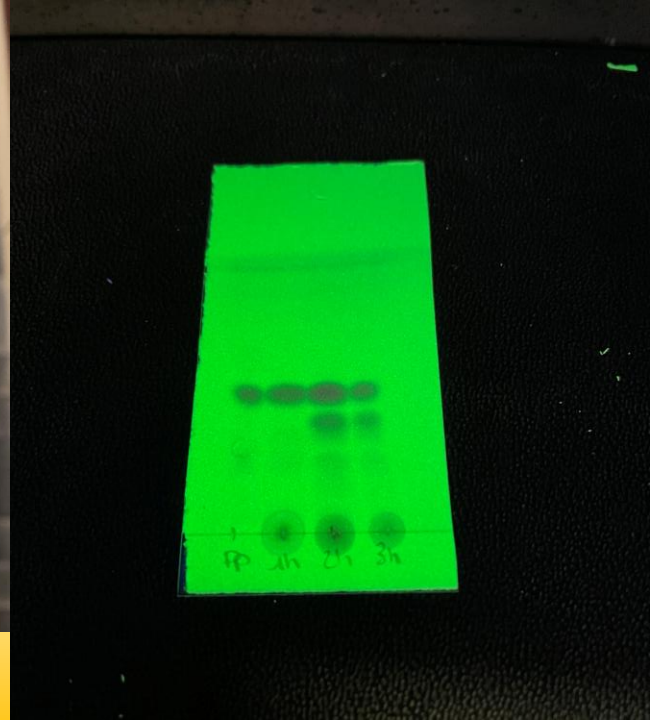
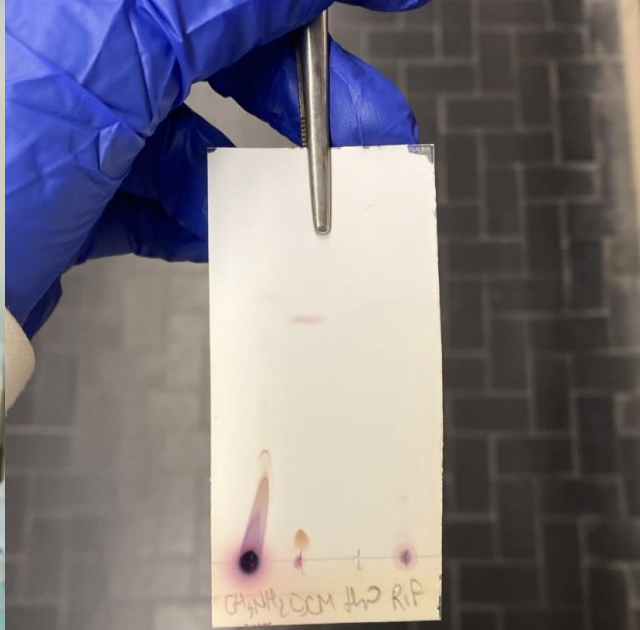
Small library



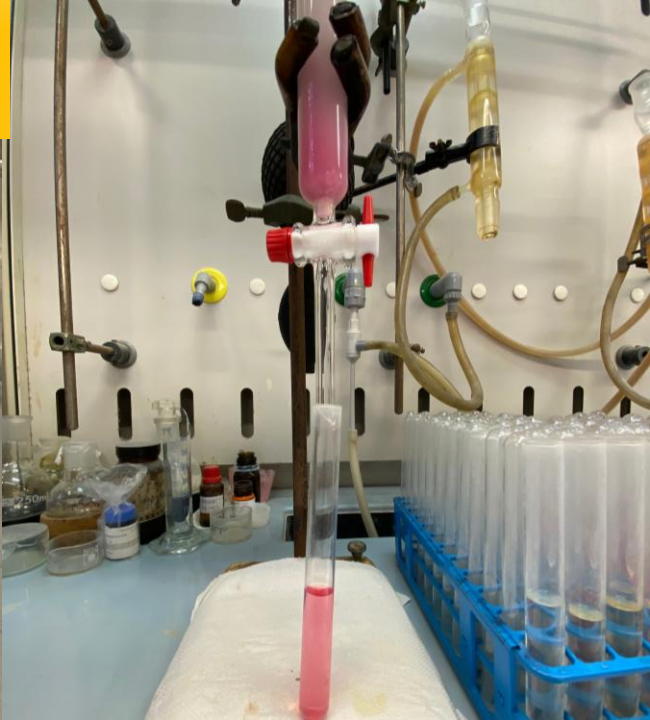
LEAD COMPOUNDS

## 2. SET UP DI REAZIONE

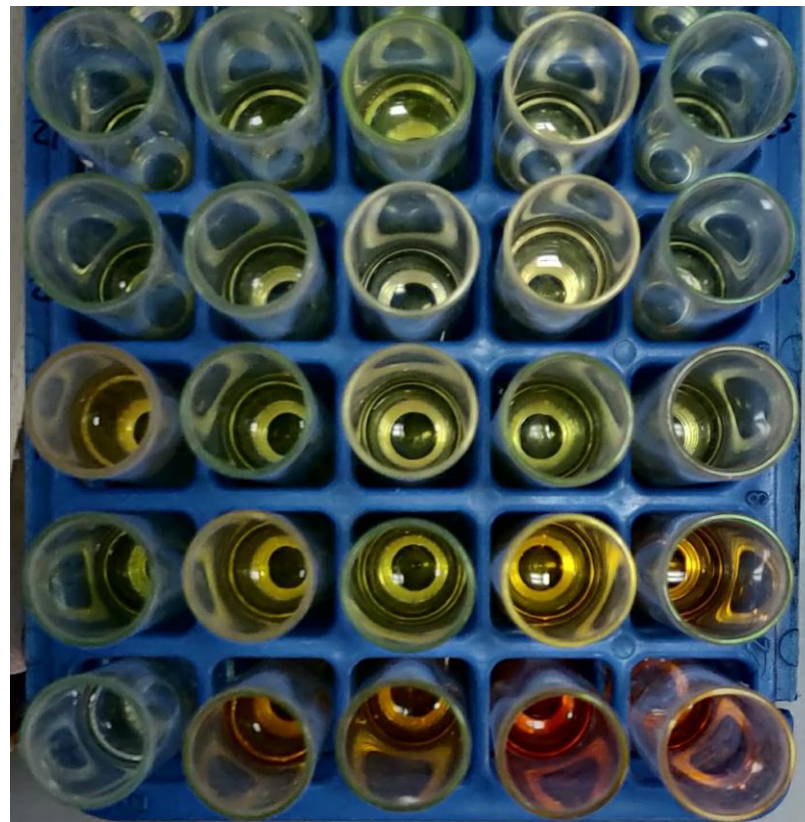
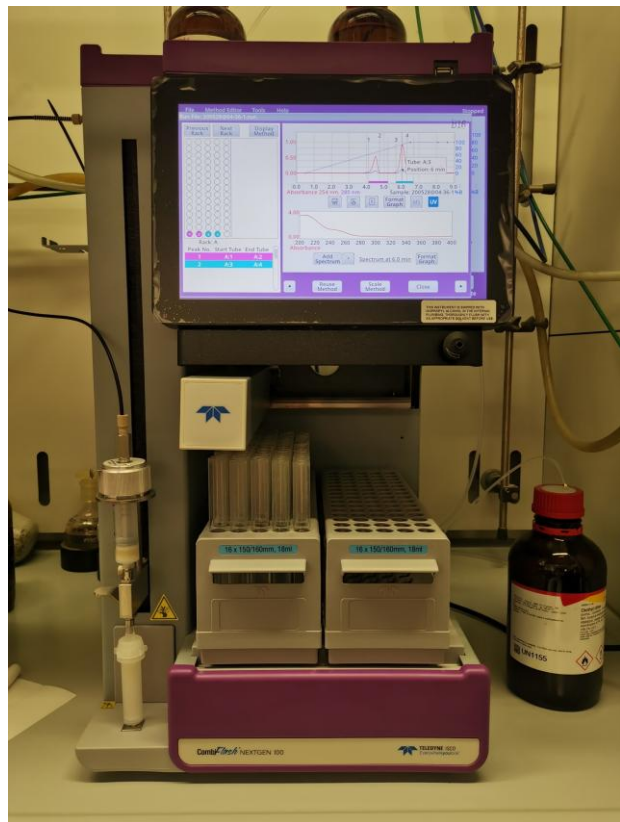




### 3. WORK UP E PURIFICAZIONE



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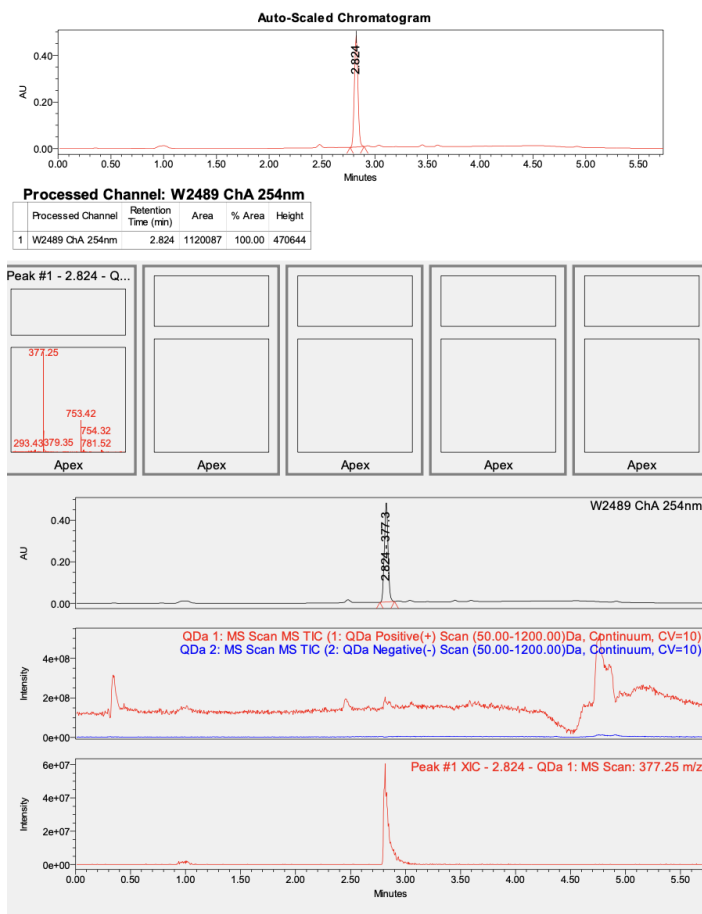
# 4. CARATTERIZZAZIONE



UPLC-MASS  
SPECTROMETRY



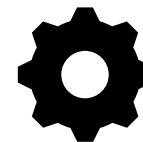
NUCLEAR MAGNETIC  
RESONANCE SPECTROSCOPY



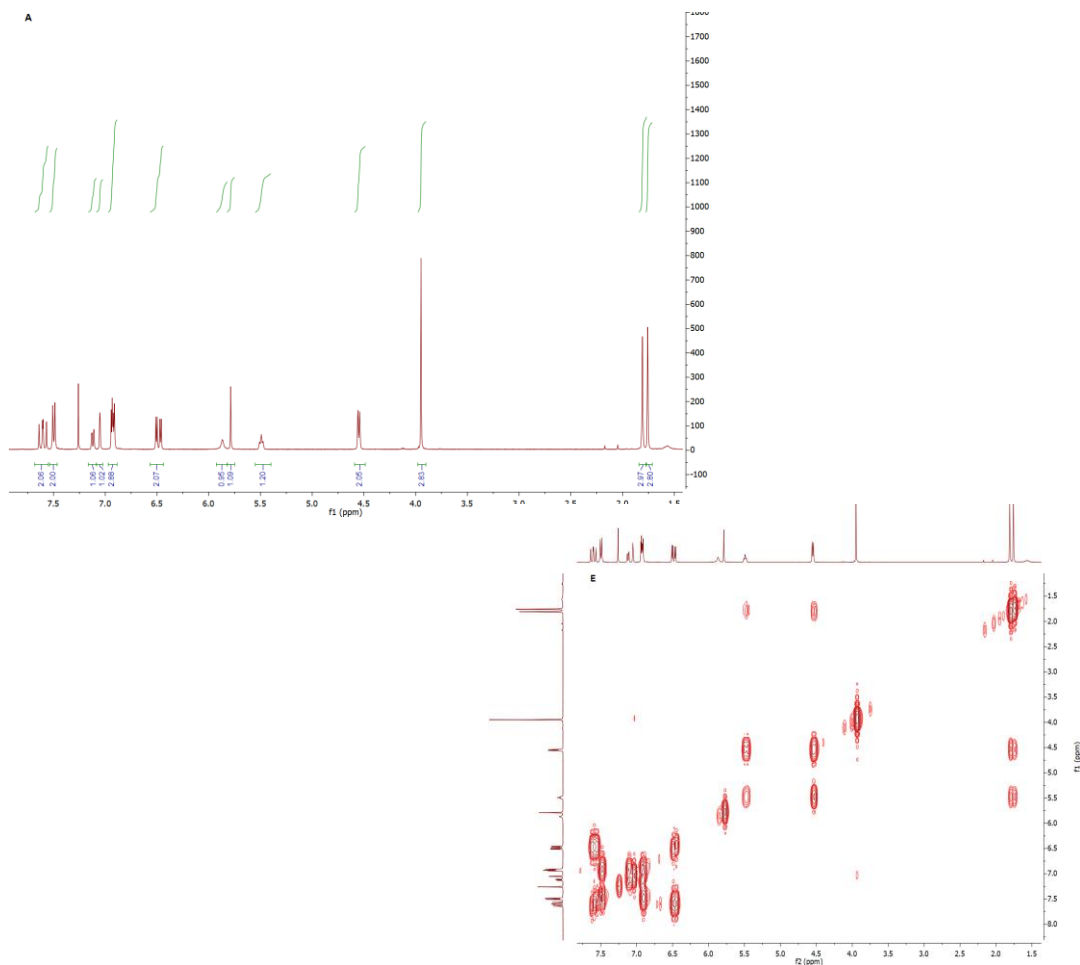
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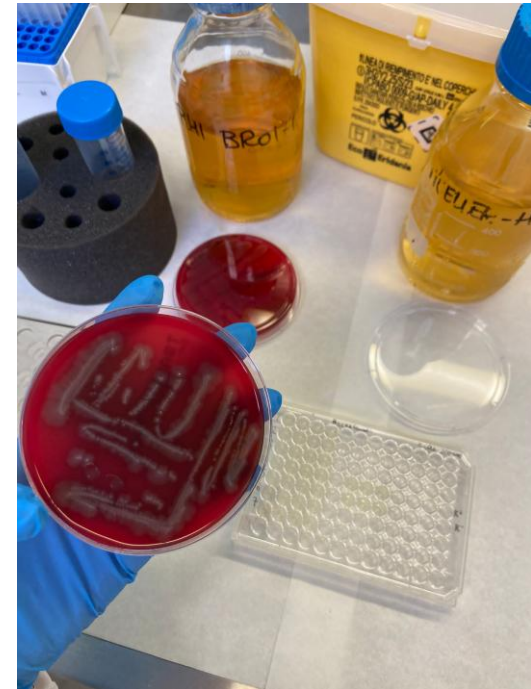
UPLC-MASS  
SPECTROMETRY



NUCLEAR MAGNETIC  
RESONANCE SPECTROSCOPY



## 5. SAGGI BIOLOGICI



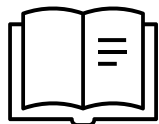


## VIVERE IL LABORATORIO

- Gestione del laboratorio
- Collaborazione
- Costanza

- Passione
- Attenzione
- Pazienza

# INFORMAZIONI UTILI



**Esami consigliati:** Chimica Farmaceutica e Tossicologica I, Farmacologia generale e Farmacoterapia I

**Attività professionalizzante consigliata:**  
Fitofarmaceutica: dalla Natura al Farmaco



**Durata della tesi** dai 4 ai 5 mesi



Possibilità di dare **esami** durante la tesi



**Entrata in tesi** in base all'ordine di prenotazione

# CONTATTI:

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