



# Slovenian NMR Centre

@ National Institute of Chemistry

in



CENTRE OF EXCELLENCE

vabita na SEMINAR:

## Mehdi Rajabi, Ph.D.

Dipartimento di Scienze Chimiche, Farmaceutiche e Farmacologiche  
University of Piemonte Orientale, Amedeo Avogadro  
Via Giovanni Bovio 6  
Novara 28100  
Italy

z naslovom:

### Synthesis of heterocycle-based analogs of resveratrol and their antitumor properties

**v ponedeljek, 2. aprila 2012 ob 10:00 uri**

v Fegeševi sobi na Kemijskem inštitutu, Hajdrihova 19, Ljubljana

#### *Kratek povzetek:*

New resveratrol (RES) analogs were developed by replacing the aromatic 'core' of our initial naphthalenebased RES analogs with pseudo-heterocyclic (salicylaldoxime) scaffolds. The resulting analogs were tested for their antiproliferative effect against MDA-MB-231 cancer cell lines. Some of the new compounds confirmed strong antiproliferative activities, comparable to that previously found with the most active naphthalene-based analog. A conformational analysis of these compounds indicated that the antiproliferative activity on MDA-MB-231 cancer cells can be correlated to the spatial arrangement of the phenolic groups.

Predavanje bo v angleščini.

prof. dr. Janez Plavec  
e-pošta: janez.plavec@ki.si  
tel: 01-47-60-353