

## **Department of Biosciences and Territory**

**Selection procedure for n. 1 position as fixed term Research Associate Type B according to art. 24 comma 3 of Law 240/2010, within the Area 03 – Chemistry, Examination sector (Academic recruitment field) 03/C1 - Organic Chemistry, Scientific Disciplinary Sector (SSD) CHIM/06 – Organic Chemistry.**

### **Specific activities that shall be carried out by the candidate and type of teaching and research requirements:**

Teaching activities, theoretical and practical, will be related to basic and advanced courses of Scientific Disciplinary Sector (SSD) CHIM/06 - Organic Chemistry, for the Bachelor's and Master's degrees of Biology and for the Bioscience and Territory PhD program.

The research activities will be within the fields explicitly defined in the CHIM/06 ministerial declaratory. In particular, the research activity will be focused to the study and structural elucidation of bioactive natural products using spectroscopic techniques (NMR). The candidate will also apply and develop spectroscopic and/or computational techniques for the determination of the conformational and configurational characteristics of small synthetic and natural molecules, and develop and apply in silico methods both for the study of the interactions between biomolecules and their biological targets and for the design of new potentially bioactive molecular platforms.

### **Objectives of scientific production:**

The candidate shall pursue research activities of high international impact, to be published in high ranked peer-reviewed international journals. The candidate is expected to positively contribute to the future ministerial evaluation (i.e. VQR) of the Department of Biosciences and Territory of the University of Molise. The candidate is expected to rapidly achieve the National Scientific Habilitation, should he/she not possess it yet.

### **Place of business:**

Department of Bioscience and Territory - Pesche (Isernia).

### **Number of scientific publications:**

The candidate will present a maximum of 15 (fifteen) research papers recorded in the international databases (SCOPUS – ISI).

### **Foreign language he/she is required to speak:**

English.

### **Means by which researcher's productivity and results will be evaluated:**

Annual report on teaching and research activities.