



AMMINISTRAZIONE GENERALE  
AREA PERSONE E ORGANIZZAZIONE  
SETTORE DIDATTICA E CONTRATTI  
UFFICIO RICERCATORI A TEMPO DETERMINATO

REP. 4273 PROT. 92697 del 29/10/2015

## THE DIRECTOR

**WITH REFERENCE TO** the rules referred to in Article 14 of the present call for application

### ORDERS

#### Art. 1 – Purpose

A procedure of comparative evaluation by qualifications and public discussion is called for the recruitment of 1 researcher with a fixed-term employment contract full-time for the three-year - pursuant to art. 24 paragraph 3 letter a) (junior) of Law no. 240/2010 -. Sector competition reference 03/C2 - CHIMICA INDUSTRIALE, Scientific sector CHIM/04 - CHIMICA INDUSTRIALE. The job is activated for the needs of research and study of the Department of Chimica industriale «Toso Montanari» - CHIMIND of the Alma Mater Studiorum - Università di Bologna. Serving primarily service at the Department Chimica industriale «Toso Montanari» - CHIMIND in Ravenna. The contract shall last three years. An annual gross total amount equal to € 34.898,00. The annual increase in this amount will be calculated according to the existing procedure for non-contracted personnel.

#### Art. 2 – Activities to be performed

The contract includes 1500 hours of activity on an annual basis, including 350 hours of supplementary teaching and assistance to students, for each academic year covered by the contract. The contract shall schedule 60 hours of teaching on annual basis at the SCUOLA DI SCIENZE.

Concerning the provisions of art. 10 regarding fixed term researchers, issued by Rectoral Decree no. 344 of 29/03/2011 and amendments, the researcher's activities must be linked to the development of the project entitled: "Research, development and characterization of new polymeric materials for advanced applications".

The scientific activity will address the development of polymeric materials for advanced applications, focusing on their potential industrial development. Multiphase materials, based on thermoplastics or thermosettings, will be developed: a synergic combination between (nano)-reinforcements and/or (nano)additives and the polymeric matrices will be sought, with the aim to obtain compounds with additional and/or improved properties with respect to the single components. In this context the innovative aspects concerning the following points will be evaluated: •polymers applied, including also (bio)degradable materials and/or materials from renewable resources •synthetic methods •characterization techniques All the polymeric materials will be characterized to check their chemical, physical, thermal, mechanical, morphological and structural properties and to provide an insight in the structure-properties relation in order to evaluate their potential industrial applicability.

The requirements of scientific productivity will be the publication of at least 6 papers on international peer-reviewed journals on the topics of the research activity and fully coherent with the scientific sector CHIM04. The presentation of contributions to at least 3 national or international conferences is also required.



### **Art. 3 - Admission requirements**

The selection is open to:

applicants, including those who come from non-EU countries, in possession of:

- PhD in Industrial Chemistry or equivalent qualification obtained either from an Italian or foreign university.

Or

- Master Degree in Industrial Chemistry (5 years) or Master degree in LM-71 Science and Technology of Industrial Chemistry or equivalent qualification obtained either from an Italian or foreign university, together with a scientific and professional curriculum suitable for the conduct of research. The relevance of the curriculum will be assessed by the Selection Board.

Applicants must be in possession of said qualification at the date of the deadline for the submission of applications to the present selection.

Applications from professors, associate professors, or researchers with tenure will not be accepted, even if the applicant is not in service.

The selection is not open to any persons who are related by blood or by marriage up to the fourth degree, to a professor or full-time researcher working in the Department of Chimica industriale «Toso Montanari» - CHIMIND, or the structure proposing the activation of the contract, or to the Rector, Director General or a member of the Board of Governors of the University. Equally the selection is not open to the spouse or partner of a professor or full-time researcher working in the above-mentioned Department.

State employees may on unpaid leave for the entire duration of the contract, thus occupying a non-tenure position without pay or social security contributions, in cases where such a position is allowed by the structure of origin, likewise without pay or social security contributions.

### **Art. 4 – Application procedure**

Applications for the selection shall be written on unstamped paper, using the form in annex A) and signed by the applicant.

Applications must be submitted as follows:

1. hand delivered to Alma Mater Studiorum - Università di Bologna – Area Persone e Organizzazione, Settore Didattica e Contratti, Ufficio Ricercatori a tempo determinato - Piazza Verdi n. 3, Bologna, on the following days and time:

- Monday, Tuesday, Wednesday and Friday: from 09:00 a.m. to 11:15 a.m.;

- Tuesday and Thursday: from 02:30 p.m. to 03:30 p.m.;

2. posted by registered letter with return receipt, or express delivery with return receipt to: Magnifico Rettore dell'Alma Mater Studiorum - Università di Bologna, Area Persone e Organizzazione, Settore Didattica e Contratti, Ufficio Ricercatori a tempo determinato, Piazza Verdi n. 3, 40126 Bologna.

Applications must be received by the Administration department within 30 days from the day after the day of publication of this call for application on the website of the Ministry of Education, University and Research (one day after the publication on the Gazzetta Ufficiale of the Italian Republic).

Accordingly, any application delivered or received after said date, although they are sent before the deadline, will be excluded. The date of the post mark will not guarantee acceptance, but the receipt date at the University will.

The receipt date is established and verified:

- in case of hand delivery: by the date reported in the receipt undersigned and issued by the person in charge of this administration;

- in case of posting: by the date of receipt written on the return receipt by the person in charge of reception.