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CALL FOR APPLICATIONS FOR THE AWARD OF 1 POST-DOC RESEARCHER (RTD/RTDA) CONTRACT FOR THE ACADEMIC FIELD 08/F1 AT THE CENTRE "DIRB" OF UNIVERSITA' COMMERCIALE "LUIGI BOCCONI" OF MILAN WITH FUNDS MADE AVAILABLE BY MUR – PNRR MISSIONE 4 COMPONENTE 2 – NEXT GENERATION / PROJECT MUSA SPOKE 1.

Article. 1
Call for Competition

To promote the education and improvement of junior scholars, the Università Commerciale "Luigi Bocconi" of Milan, announces a competition by exams and academic titles for the award, by means of an appropriate contract, according to the ex art. 24 of Law 240/2010 and using the relative University Regulations emanated with the Rectoral Decree n° 106 of 21st December 2022, of 1 Post-doc Researcher Position with the following characteristics:

Duration: 3 years

Academic Field: 08/F1 URBAN AND TERRITORIAL PLANNING AND DESIGN

Scientific Sector: ICAR/21 Urban Design and Landscape

In the Bocconi Centre "DIRB – Divisione Ricerche Bocconi"

Professor of referral: **prof. Edoardo Croci**

Financed by: MUR – PNRR Missione 4 componente 2 – Next Generation

Project: MUSA – Multilayered Urban Sustainability Action (CUP B43D21011010006) - Avviso n. 3277 del 30/12/2021).

Research Project: The PNRR "Multi-layered Urban Sustainable Action (MUSA Ecosystem)" project aims to identify innovative solutions to improve the environmental and economic sustainability of the urban environment along with the strengthening of social inclusion. MUSA mainly focuses on issues such as climate change, energy transition, sustainable mobility, social inclusion, digitization and entrepreneurship with specific reference to the development and support of resilient cities and communities. MUSA aims to address complex and urgent challenges such as environmental degradation, depletion of natural resources (e.g. water, energy), infrastructural endowment, road congestion, social emergencies connected to health and education systems. The MUSA ecosystem fits and aligns with the goal of "making Europe the first digital, circular, climate-neutral and sustainable economy through the transformation of its mobility, energy and production systems" (HE Strategic Plan). MUSA pursues this objective by promoting a profitable environment for the transfer of innovative solutions to the industrial context, reducing their times and amplifying their effects, through the promotion of a shared vision for sustainable development. MUSA incorporates many of the themes of the 2030 Agenda: Sustainable Development Goals and the need to act to counter the decline in the quality of life, promoting sustainability, with particular attention to the environmental system, water and waste management and the mitigation of the effects of climate change. The achievement and maintenance of lasting results relies on a solid and effective collaboration of multiple and interconnected actors - universities, civil society, the private sector and public institutions. For this reason the Ecosystem will be composed of 6 Spokes: 1. Urban regeneration (City of tomorrow); 2. Big Data-Open Data in Life Sciences; 3. Deep Tech:

Entrepreneurship & Technology Transfer; 4. Economic impact and sustainable finance; 5. Sustainable Fashion, Luxury and Design; and 6. Innovation for Sustainable and Inclusive Societies. The selected candidate will be involved in Spoke 1. Urban regeneration (City of tomorrow).

Responsibility in the Project: WP member – Spoke 1.

Spoke 1 aims to develop and test innovative solutions and integrated models for urban regeneration. It is characterized by an integrated approach that allows to consider different dimensions of urban regeneration, articulated in 4 WPs and related research tasks: 1) Natural, Biological and Human resources for Urban regeneration; 2) Redesigning industrial urban production processes; 3) Energy solutions for urban regeneration; and 4) Safe, smart, intermodal, and sustainable mobility. The selected candidate will be involved in the activities of **WP3**: Energy solutions for urban regeneration. Bocconi University plays a transversal role. Its activities are aimed at: i) defining and testing innovative business models; ii) analyze and validate the economic tools to implement urban regeneration interventions; iii) evaluate the socio-economic impacts generated on an urban scale. The activities will be developed in synergy with all the spoke's partners to improve the interdisciplinarity of scientific production, define a new Executive course and create a spin-off to support public and private entities in urban regeneration processes.

Job description: Within the project, the candidate will be involved in Task 3.3 of WP3. More specifically, the candidate will mainly contribute to research activities with the objective of i) defining innovative business models and replicable EPC schemes to support the creation of energy communities and PEDs (Positive Energy Districts); ii) define and apply market tools for energy sustainability and the reduction of climate-altering emissions with the purpose of developing an online trading and simulation platform to test these tools at a local level; iii) participate in the definition, construction and launch of a Spin-off aimed at supporting public bodies, planners, real estate and financial operators in the design and implementation of innovative solutions for sustainable urban regeneration. Furthermore, the candidate will be involved in tasks 2.4 of WP2. More specifically, you will be asked to actively collaborate in the definition and implementation of an executive course.

Article. 2 *Admission Requirements*

In order to participate in the competition, candidates must have a PhD or equivalent carried out in Italy or abroad, with the exclusion of Professors and researchers who already hold a position with tenure, even if they have ceased service.

Candidates with a degree of kinship (up to the fourth degree of kinship) to any professor in the University Board, the University Rector or the Managing Director are not allowed to apply.

These statutory pre-requisites must be in place at the deadline for the presentation of applications determined by the present announcement.

Applicants will obtain a conditional acceptance. At any time, the administration can arrange, with reason, exclusion from the selection procedure due to the lack of necessary pre-requisites.

Candidates are also required, as a preferential qualification, to have the following professional skills: proven experience (min. 3 years) in: i) knowledge of policy frameworks related to the promotion of energy efficiency; ii) research experience in the definition of business models and economic-financial mechanisms for the energy transition; iii) research experience in economic evaluation applied to collaborative energy management and distribution systems (smart grid, district heating and cooling, energy communities, etc.); iv) research experience in urban regeneration; v) experience in drafting research reports and producing scientific papers (also in the competition sector 13); vi) ability to interact and work in the field of international (eg: Horizon2020) and national projects; vii) ability to work with different stakeholders (institutions, companies, universities/research, international organizations, etc.); viii) good knowledge of English and Italian.

Article. 3 ***Applications***

Applicants should apply by submitting the complete package via our on-line application system, which can be found at "www.unibocconi.eu/faculty-postdoc" by **23:59 of April 3rd, 2023 (Italian time)**.

Each candidate's application must clearly indicate:

- surname and name
- date and place of birth
- citizenship
- residence
- contact address

The application must include the following documents, which must be attached to the application:

- professional C.V., in pdf format;
- any publication, or document that the candidate intends to submit for evaluation, in pdf format, up to a maximum of 5 scientific publications;
- self-certification of any university research and teaching assignments relating to the subject;
- programs proving participation in international conferences;

For any problem related to uploading files, the candidate can contact faculty@unibocconi.it.

Article. 4 ***Evaluation Committee***

The Evaluation Committee for this competition, appointed by the Rector based on the proposal of the Director of the competent Research Centre, after consulting the professor of Referral of this call for applications, is made up of three professors, of which at least two professors are from the Bocconi Core Faculty, employed in the Academic Field of this call or of a similar scientific disciplinary sector.

The competition will be carried out by an evaluation of titles and examination as well as an interview.

For hiring via the National and International job market, the evaluation of the applications

will be carried out by the Evaluation Committee, who will draw up a short list of candidates. Each shortlisted candidate will be interviewed in person or via conference call according to International Job Market practices to assess their research abilities and interest in covering the Post-doc researcher position proposed by the University.

At the end of the selection process the Evaluation Committee, will write an overall evaluation for each candidate, forming a table of eligible candidates which will be published on the University website.

For eligible candidates, the University, following the proposal of the Research Center, has the possibility to make an offer which must explain: the contract type, teaching load required, responsibility in the Project, proposed salary, which cannot be less than the minimum wage. It must also indicate the deadline by which the candidate must communicate their acceptance of the offer.

If the candidate accepts the offer, the University will draw up a fixed term, private law contract.

Article.5 Rights and Duties of the Post-Doc Researcher (RTD/RTDA)

The grant will last for 3 years and indicatively run from **May 1st, 2023**.

The normal obligations of the research include:

- Research activity as part of the Research Project presented, as well as additional programs elaborated by the Center, supervised by the *Professor of referral*, who will check the activity carried out.

The Post-doc Researcher position is not compatible with the attendance of degree or master's degree courses, research doctorates in Italy or abroad and involves the placement on unpaid leave for the employee in service in the public administration.

It is possible to carry out, with the consent of the Post-Doc Researcher, a teaching activity for a maximum of 48 hours per semester in addition to the Post-Doc Research contract.

Evaluation for the purpose of extension or renewal of the Agreement: Upon the expiration of the first contractual period (three months before the expiry) the Post-Doc Researcher job performance will be assessed as follows:

With respect to the research activities: evaluation of the research activity performed of the Project and the quality of scientific publications produced.

The outcome of this evaluation is formalized and sent to the Researcher and to the Dean of the Faculty.

The Director, on the basis of this evaluation, can propose the extension or renewal of this contract for a functional period of the Project, and in any case within a maximum duration of 5 years.



Article.6 Compensation

The amount of the compensation is **€ 36.840,00 gross per annum**, payable as follows:

- SALARY: 13 (thirteen) equal installments made on a monthly basis, on the 27th (twenty-seventh) day of each month.
- SEVERANCE PAYMENT: an annually set aside-amount equal to 1/13,5 (one thirteenth and a half) of the salary to be paid within the end of the month following the expiration of the Agreement.

The University will provide insurance for risks of injury and civil responsibility.

Article.7 Causes of deferral or suspension of the contract

If a candidate is on maternity leave, minimal payments will be made by INPS (national insurance) as according to the Ministerial Decree dated 12th July 2007, published in the "Gazzetta Ufficiale" n. 247 of 23rd October 2007. For illness the article 1, comma 788 of the Law 27th December 2006, n. 296 and subsequent modifications and additions will apply. During the period of mandatory maternity leave, a top-up payment will be made by Bocconi University up to the monthly amount of the grant as according to article 5 of the Decree dated 12th July 2007.

Article. 8 Treatment of Personal Data

According to a General Data Protection Regulation n. 679/2016 all personal data supplied by candidates to People & Culture, both in electronic and paper format, is exclusively for evaluation purposes and to publicize the acts related to the current evaluation procedure and the conferral of a Post-doc Researcher position as detailed in this announcement.

Article. 9 Advertising

This current competition announcement is published on Gazzetta Ufficiale, on the website of Università Bocconi - Faculty and Research\faculty recruiting\post-doc positions and on the MUR and EU websites. A copy of the announcement is available from the International Faculty Office.

PEOPLE & CULTURE
(dott. Marcello Valtolina)