



PUBLIC SELECTIONS FOR RECRUITING NO. 5 FIXED-TERM RESEARCHERS, ART. 24, PARAGRAPH 3, LETTER A) OF ITALIAN LAW NO. 240/2010, IN ATTUATION OF THE MEASURES PROVIDED FOR BY PIANO NAZIONALE DI RIPRESA E RESILIENZA (PNRR) – M4C2 – INNOVATION ECOSYSTEMS – PROJECT “NORD OVEST DIGITALE E SOSTENIBILE (NODES)” – PROJECT CODE: ECS\_36 – CUP C13C22000420001 (**CODICE BANDO 2022-RTDA\_NODES**)

<b>DEPARTMENT</b>	DEPARTMENT OF HEALTH SCIENCES
<b>PLACE OF EMPLOYMENT</b>	NOVARA
<b>ACADEMIC RECRUITMENT FIELD</b>	05/H1 HUMAN ANATOMY
<b>ACADEMIC DISCIPLINE</b>	BIO/16 HUMAN ANATOMY
<b>ELIGIBILITY REQUIREMENTS (MANDATORY)</b>	PhD or an equivalent academic title, based on international treaty agreements and the applicable norms;
<b>RESEARCH ACTIVITIES</b>	The research activity will focus on the deepening of the conformation, organization and structure of the human body and of the apparatus, systems and organs that constitute it, in their macroscopic, microscopic, ultramicroscopic and molecular aspects with the relative functional aspects. Organogenesis and the various stages of development, identification of individual diversity, congenital variants and the primary causes of morphogenetic events will also be researched. This research will be preferentially applied also to tissue engineering and to the study of biomaterials applied to tissue engineering, using macroscopic and microscopic investigation methods, up to the molecular level, as well as topographic, instrumental and experimental application methods for the acquisition of images and informative data to different resolution levels. For this reason the anatomical knowledge applied to the problems of clinical, surgical and health maintenance will also be of interest.
<b>SCIENTIFIC TARGETS</b>	At least four scientific publications in indexed journals with impact factor in the first three years of activity.
<b>REQUESTED TEACHING DUTIES</b>	The contract requires will have to perform in the scientific areas of the researcher's own expertise and/or in related fields (S.S.D. BIO/16 Human Anatomy). The educational activities,



	supplementary teaching and students tutoring will be held at School of Medicine, University of Piemonte Orientale. The researcher will have to do educational activities about project NODES thematic, in particular of issues consistent with the flagship project of the Spoke in wich they will be engaged for the research activities.
<b>COMPETENZE LINGUISTICHE</b>	English and Italian
<b>NUMBER OF SELECTED PUBLICATIONS REQUIRED</b>	12 max



<b>DEPARTMENT</b>	DEPARTMENT OF TRANSLATIONAL MEDICINE
<b>PLACE OF EMPLOYMENT</b>	NOVARA
<b>ACADEMIC RECRUITMENT FIELD</b>	05/E2 MOLECULAR BIOLOGY
<b>ACADEMIC DISCIPLINE</b>	BIO/11 MOLECULAR BIOLOGY
<b>ELIGIBILITY REQUIREMENTS (MANDATORY)</b>	PhD or an equivalent academic title, based on international treaty agreements and the applicable norms.
<b>RESEARCH ACTIVITIES</b>	The candidate will have to carry out research activities within the strategic objectives of the NODES project. Specifically, in agreement with the scientific commitments of the S.S.D. BIO/11, the candidate will have to work in the field of bioinformatics, with a specific focus oriented to the definition of frameworks for the integration of heterogeneous biological and clinical data, their characterization and computational and statistical analysis of the results obtained.
<b>SCIENTIFIC TARGETS</b>	At least 3 scientific publications in indexed journals with impact factor in the first three years of activity.
<b>REQUESTED TEACHING DUTIES</b>	The contract requires will have to perform in the scientific areas of the researcher's own expertise and/or in related fields (S.S.D. BIO/11 Molecular Biology). The educational activities, supplementary teaching and students tutoring will be held at School of Medicine, University of Piemonte Orientale. The researcher will have to do educational activities about project NODES thematic, in particular of issues consistent with the flagship project of the Spoke in wich they will be engaged for the research activities.
<b>COMPETENZE LINGUISTICHE</b>	English and Italian
<b>NUMBER OF SELECTED PUBLICATIONS REQUIRED</b>	12 max



<b>DEPARTMENT</b>	DEPARTMENT OF PHARMACEUTICAL SCIENCE
<b>PLACE OF EMPLOYMENT</b>	NOVARA
<b>ACADEMIC RECRUITMENT FIELD</b>	03/D1 MEDICINAL, TOXICOLOGICAL AND NUTRITIONAL CHEMISTRY AND APPLIED TECHNOLOGIES
<b>ACADEMIC DISCIPLINE</b>	CHIM/08 PHARMACEUTICAL CHEMISTRY
<b>ELIGIBILITY REQUIREMENTS (MANDATORY)</b>	PhD or an equivalent academic title, based on international treaty agreements and the applicable norms.
<b>RESEARCH ACTIVITIES</b>	<p>Research activity includes in the project “NODES - Nord Ovest Digitale E Sostenibile” activities that it’s financed by Piano Nazionale di Ripresa e Resilienza (PNRR), finanziato dall’Unione Europea – “NextGenerationEU”. It provides specific resources for Missione 4 “Istruzione e Ricerca”, Componente 2 “Dalla Ricerca all’Impresa” resources, that include the investment 1.5 “Creazione e rafforzamento di Ecosistemi dell’Innovazione”.</p> <p>In particular the researcher will work at the Pharmaceutical Chemistry Laboratory of Department of Pharmaceutical Sciences, managing the activities of the project NODES, including design, synthesis and development of molecules as potential treatment of rare diseases and diseases of autoimmune origin.</p>
<b>SCIENTIFIC TARGETS</b>	<p>It consists of the dissemination of the results achieved in the project through:</p> <ul style="list-style-type: none"> <li>a) scientific publication in international journals;</li> <li>b) presentation at national or international conferences;</li> <li>c) possible patent coverage of specific aspects in co-partnership with other project partners.</li> </ul>
<b>REQUESTED TEACHING DUTIES</b>	<p>Educational activities, supplementary teaching and students tutoring: it’s provided educational activities with classroom lessons that will be held at Master’s Degree Courses in Pharmacy, Chemistry and Applied Technologies and/or Pharmaceutical Biotechnologies, also in “Drug Innovation” PhD.</p> <p>The researcher will have to do educational activities about project NODES thematic, in particular of issues consistent with the flagship project of the Spoke in which they will be engaged for the research activities.</p>
<b>COMPETENZE LINGUISTICHE</b>	English and Italian
<b>NUMBER OF SELECTED PUBLICATIONS REQUIRED</b>	15 max



<b>DEPARTMENT</b>	DEPARTMENT OF SUSTAINABLE DEVELOPMENT AND ECOLOGICAL TRANSITION
<b>PLACE OF EMPLOYMENT</b>	VERCELLI
<b>ACADEMIC RECRUITMENT FIELD</b>	03/C2 INDUSTRIAL CHEMISTRY
<b>ACADEMIC DISCIPLINE</b>	CHIM/04 INDUSTRIAL CHEMISTRY
<b>ELIGIBILITY REQUIREMENTS (MANDATORY)</b>	PhD or an equivalent academic title, based on international treaty agreements and the applicable norms.
<b>RESEARCH ACTIVITIES</b>	<p>The planned research activities are within the lines of the relevant field and concern the synthesis and structural modification, including through the use of catalysts, of polymeric materials, post-industrial and end-of-life origin. Polymers and copolymers of polyurethane nature, aliphatic and aromatic polyolefins will be studied.</p> <p>Special attention will be paid to fluorinated polymers such as PTFE and PVDF of considerable application and industrial interest. For the latter, the activity includes several routes leading to the production of high value-added materials by morphological and dimensional control of the products obtained.</p>
<b>SCIENTIFIC TARGETS</b>	At least 1 scientific publication per year in ISI peer-reviewed journals and participation in at least 1 national or international congress per year.
<b>REQUESTED TEACHING DUTIES</b>	<p>The educational activities, supplementary teaching and students tutoring will be carried out in the following ways: classroom and/or laboratory lessons, laboratory exercises, seminars, tutoring of Degree and PhD theses.</p> <p>The researcher will have to do educational activities about project NODES thematic, in particular of issues consistent with the flagship project of the Spoke in which they will be engaged for the research activities.</p>
<b>COMPETENZE LINGUISTICHE</b>	English and Italian
<b>NUMBER OF SELECTED PUBLICATIONS REQUIRED</b>	12 max



<b>DEPARTMENT</b>	DEPARTMENT OF SUSTAINABLE DEVELOPMENT AND ECOLOGICAL TRANSITION
<b>PLACE OF EMPLOYMENT</b>	VERCELLI
<b>ACADEMIC RECRUITMENT FIELD</b>	11/B1 GEOGRAPHY
<b>ACADEMIC DISCIPLINE</b>	M-GGR/02 ECONOMIC AND POLITICAL GEOGRAPHY
<b>ELIGIBILITY REQUIREMENTS (MANDATORY)</b>	PhD or an equivalent academic title, based on international treaty agreements and the applicable norms.
<b>RESEARCH ACTIVITIES</b>	The research activity will be developed within the themes characterizing the scientific sector M-GGR/02 and in particular, the research will cover the theoretical-applicative field of tourism development of territories from a sustainable perspective, tourism and cultural planning and design, cultural heritage enhancement.
<b>SCIENTIFIC TARGETS</b>	Scientific publications in national and international A section journals. Presentation of research papers at national and international conferences. Implementation of research and other initiatives of a scientific nature (publications, conferences, seminars, exchanges, etc.) in collaboration with Italian and/or foreign universities. Participation in national and international calls for funding of research projects on a competitive basis.
<b>REQUESTED TEACHING DUTIES</b>	Teaching assignments activated in the scientific sector M-GGR/02 and more generally in the competition sector 11/b1 in the bachelor's and master's degree courses activated at Università del Piemonte Orientale are expected to be awarded. The researcher will have to do educational activities about project NODES thematic, in particular of issues consistent with the flagship project of the Spoke in which they will be engaged for the research activities.
<b>COMPETENZE LINGUISTICHE</b>	English – at least B2 level Common European Framework of Reference for Languages (CEFR) – and Italian
<b>NUMBER OF SELECTED PUBLICATIONS REQUIRED</b>	12 max