ALLEGATO A - Schede informative ATTACHMENT A – Information sheets

Rif. n. 1 Ref. no. 1

Category/Assignment area: category EP – economic position EP1

Duration of the contract: 24 months

Workplace: Siena University Santa Chiara Lab – via Valdimontone, 1 - Siena

Project: METROFOOD-IT (Living Lab)

Project Code (CUP): I83C22001040006

Investment line: 3.1, "Fund to create an integrated ecosystem of research and innovation infrastructures", funded by the European Union-NextGenerationEU, reference action 3.3.1 "Creation of new Research Infrastructures or strengthening of the existing ones that contribute to the objectives of Horizon Europe scientific excellence and to establishing networks"

Scientific Supervisor: Prof. Angelo Riccaboni

Activities to be carried out:

- promoting and coordinating activities and projects of the Living Lab, as set forth by NRRP project METROFOOD, with a particular focus on agrifood sector
- coordinating solutions and services to implementa an agrifood innovative teaching method in a Living Lab
- promoting Living Lab at national and international level through national and international networks such as European Network of Living Labs (ENOLL), the Santa Chiara Centre is part of
- promoting and coordinating the development of new tools to assess sustainability of agrifood companies

Admission requirements: Degree pursuant to University system prior to Ministerial Degree no. 509/99 or Undergraduate Degree or Master's Degree or Specialist Degree or academic degree obtained abroad, with academic recognition, and at least three-years of specific work experience matching with the skills required for this position, carried out at State administrations, public institution, private institutions or companies.

Job skills required in addition to those set forth for the category: This professional is requested to perform the functions of a project manager; in order to carry out the abovementioned activities, the following capabilities and knowledge are requested:
- planning and delivering innovative teaching specifically focussing on agrifood
- managing networks on topics of sustainable development of the 2030 Agenda, with a particular focus on sustainability of agrifood sector
- knowledge of the main players in the agrifood sector and issues regarding the complex topic of sustainability
- very good/good analysis, relationship, and public speaking (presentation) both in Italian and in English
- knowledge of the context related to the National Recovery and Resilience Plan and, in particular, to Mission 4, Component 2, Investment line 3.1 "Fund to create an integrated ecosystem of research and innovation infrastructures"
- IT skills regarding use of office automation tools, database management and vide conferencing tools

Language proficiency level: English - Excellent

Test administration: a written test, CV and qualification assessment, and an oral test conducted partially in English

Contents of the tests:

- National Recovery and Resilience Plan: rules and regulations, measures and projects, and, in particular, Mission 4, Component 2, Investment line 3.1 "Fund to create an integrated ecosystem of research and innovation infrastructures"
- METROFOOD Project
- Living Lab national and international networks
- Strategic projects of Santa Chiara Lab Centre
- Planning principles and rules and project management
- The Agenda 2030 and Sustainable Development with a particular focus on agrifood sector

- Principles of EU Law
- Knowledge assessment of office automation tools

Further assessable qualifications

- Doctorate degree (just one degree can be taken into account
- *Master universitario* (post-graduate qualification) of first or second level (just one qualification for each category can be taken into account)
- Program/project management experience
- Experience in conducting and managing multifunctional teams
- Project management certifications
- ICT Certifications
- Teaching in University, post-university or for Public Administration trainings (certified by the relevant entity)
- Knowledge of other European languages
- Publications

Rif. 2 Ref. no. 2

Category/Assignment area: category D – economic position D3

Duration of the contract: 24 months

Workplace: Siena University Santa Chiara Lab – via Valdimontone, 1 - Siena

Project Code (CUP): I83C22001040006

Project: METROFOOD-IT

Investment line: 3.1, "Fund to create an integrated ecosystem of research and innovation infrastructures", funded by the European Union-NextGenerationEU, reference action 3.3.1 "Creation of new Research Infrastructures or strengthening of the existing ones that contribute to the objectives of Horizon Europe scientific excellence and to establishing networks"

Scientific Supervisor: Prof. Angelo Riccaboni

Activities to be carried out: This figure will collaborate to implement AGRIFOOD NEXT LAB, and in particulra, to manage a Business Intelligence platform; he/she will support the Living Lab activities as set forth by METROFOOD NRRP project

Admission requirements: Degree in Economics pursuant to University system prior to Ministerial Degree no. 509/99 or Specialist Degree or Undergraduate Degree or Master's Degree or academic degree obtained abroad, with academic recognition

Job skills required in addition to those set forth for the category: This professional must be in possession of proven capabilities and knowledge as follows:

- knowledge of the main players in the agrifood sector
- knowledge of the main sustainability measurement sytems in agrifood sector (SASB and GRI indexes)
- contribution to solution and/or in-depth analysis of complex problems based on theoretical and practical knowledge connected to agrifood sector and sustainability

Language proficiency level: English - good

Test administration: a written test, CV and qualification assessment, and an oral test conducted partially in English.

Contents of the tests:

- National Recovery and Resilience Plan: rules and regulations, measures and projects, and, in particular, Mission 4, Component 2, Investment line 3.1 "Fund to create an integrated ecosystem of research and innovation infrastructures"
- METROFOOD Project
- Main characteristics of agrifood sustainability, SASB and GRI indexes
- Characteristics of Businesss Intelligence platforms
- Principles of EU Law, Business organization and management, business accounting
- Knowledge assessment of office automation tools

Further assessable qualifications

- Doctorate degree (just one degree can be taken into account
- *Master universitario* (post-graduate qualification) of first or second level (just one qualification for each category can be taken into account)
- Program/project management experience
- Experience in conducting and managing multifunctional teams
- Project management certifications
- ICT Certifications
- Teaching in University, post-university or for Public Administration trainings (certified by the relevant entity)
- Publications

Rif. 3 Ref. 3

Category/Assignment area: category D – economic position D3

Duration of the contract: 36 months

Workplace: Department of Life Sciences, University of Siena, via Aldo Moro 2, Siena

Project: NBFC National Biodiversity Future Center Spoke 3

Project Code (CUP): B63C22000650007

Investment line: 1.4 "Strengthening research structures and creating "R&D national champions" on some Key Enabling Technologies"

Scientific Supervisor: Prof. Massimo Nepi

Activities to be carried out: technical and administrative support to the research project, in particular:

- conducting chromatographic and spectrophotometric analysis,
- developing, validating and standardizing new analytical methods;
- supervising and organizing lab activities;
- planning sample designs;
- statistical processing and data interpretation;
- supervising scientific result dissemination;
- support to project financial reporting.

Admission requirements:

Degree in Biology or Chemistry or Pharmacy pursuant to University system prior to Ministerial Degree no. 509/99; or Specialist Degree – pursuant to Ministerial Decree 509/99 – class 6/s Biolgy or class 62/S Chemistry or class 14/S Pharmacy and Industrial Pharmacy; or Undergraduate Degree class L-13 Biology or class L-27 Chemical Sciences and Technologies; or Master's Degree – pursuant to Ministerial Decree 270/2004 – class LM6 Biology or LM54 Chemistry or LM13 Pharmacy and Industrial Pharmacy; or Doctorate Degree in pharmaceutical-chemical-biological sciences.

Job skills required in addition to those set forth for the category:

- knowledge of chromatographic and spectrophotometric techniques;
- ability to use HPLC and spectrophotometric instruments;
- knowledge of statistical techniques for data processing;
- communication knowledge and skills for an effective dissemination of scientific results including the use of digital methods;
- teamwork skills; problem solving and innovation.

Language proficiency level: English - good

Test administration: a written test, CV and qualification assessment, and an oral test conducted partially in English.

Contents of the tests: Tests will be about topics regarding activities to carry out for the project under this selection notice

Further assessable qualifications:

- Previous technical management of scientific labs
- Publications

Rif. 4 Ref. 4

Category/Assignment area: category D – economic position D3

Duration of the contract: 24 months

Workplace: Department of Information Engineering and Mathematics – University of Siena

Project: THE Project - Tuscany Health Ecosystem – Innovation Ecosystems

Project Code (CUP): B63C22000680007

Investment line: 1.5 Creating and strengthening "innovation ecosystems"

Scientific Supervisor: Prof.Valerio Vignoli

Activities to be carried out: Activities set forth in underprojects 8 and 9 of Spoke 3 of THE – Tuscany Health Ecosystem. In particular, the activity will deal with design of sensor networks and smart sensors nodes, and in general, electronic devices. It will include the development of front-end electronics specific for developed/used/sensors, low-power electronics design, energy harvesting systems application, development of special techniques for on the edge data processing

Admission requirements: Undergraduate Degree in Information engineering (class 09) pursuant to Ministerial Degree no. 509/99 or Undergraduate Degree in Information engineering (class 89) pursuant to Ministerial Degree no. 270/2004 or academic degree obtained abroad, with academic recognition

Job skills required in addition to those set forth for the category:

- knowledge of project tools for analog and digital circuits;
- skills on design, development and test of analog and digital circuits;
- skills on use of microcontrollers;
- skills on firmware development:
- skills on creation of measure benches (including automatic benches)
- knowledge of IoT communication protocols (BLE, LoRaWAN).

Language proficiency level: English - good

Test administration: a written test, CV and qualification assessment, and an oral test conducted partially in English.

Contents of the tests: Tests are intended to ascertain the possesssions of the abovementioned skills and knowledge.

Further assessable qualifications:

- Publications related to research topics to be dealt with
- Proven experiences in that sector.