Rif. 1

Profile: Technologist

Places available: 1

Category/Assignment area: Equivalent to the Administrator Area - (former category D, economic position D3 - Table B2 of the Education and Research National Labour Contract of 18/01/2024) - Scientific-Technological Area

Duration of the contract: 24 months – full time

Workplace: Department of Medicine, Surgery and Neuroscience

Research Project: “Precision Medicine” Regional Center for Precision Medicine (C.Re.Me.P.)

Principal Investigator: Prof. Francesco Dotta

Job description:

- Performing routine and innovative analyzes on Next Generation Sequencing data from clinical and research samples;
- design, implementation, validation and maintenance of bioinformatics pipelines;
- contribution to the optimization and standardization of bioinformatics processes;
- participation in the development of scientific databases and their application in the field of genomics and clinical transcriptomics;
- implementation, updating and maintenance of resources relating to data stored locally and required by various analysis processes, with particular reference to RNA molecules;
- drafting of bioinformatic protocols and their documentation;
- supervision of the dissemination of scientific results.

Application requirements:

- Diploma di laurea (DL, prior to M.D. 509/99) in Biology;
- Second cycle degree: laurea specialistica (LS) (under M.D. 509/99) in Biology 6/S or Medical Biotechnologies 9/S;
- Second cycle degree: laurea magistrale (LM) (under M.D. 270/04) in Biology LM-6 or Medical Biotechnologies LM-9.

Professional knowledge and skills:

- Analysis of data produced using Next Generation Sequencing techniques (genomes, exomes, transcriptomes, metagenomes, non-coding RNAs);
- Use of the main bioinformatic tools and databases;
- Programming various scripting languages (R, Python, PERL, etc.);
- Management of Unix/Linux operating systems;
- Construction and maintenance of databases for the collection of big data.

Assessable qualifications (up to a maximum of 18 points):

- PhD;
- documentable experience in:
ANNEX A - Factsheets

- analysis of data produced using Next Generation Sequencing techniques (genomes, exomes, transcriptomes, metagenomes, etc.);
- use of the main bioinformatic tools and databases;
- programming various scripting languages (R, Python, PERL, etc.);
- management of Unix/Linux operating systems;
- construction and maintenance of databases for the collection of big data.

Foreign language proficiency: Advanced English

Exam topics: The exams will focus on topics relating to the activities regarding the Project.
Rif. 2

Profile: Technologist
Places available: 1

Category/Assignment area: Equivalent to the Administrator Area - (former category D, economic position D3 - Table B2 of the Education and Research National Labour Contract of 18/01/2024) - Scientific-Technological Area

Duration of the contract: 24 months – full time

Workplace: Department of of Medicine, Surgery and Neuroscience

Research Project: “Precision Medicine” Regional Center for Precision Medicine (C.Re.Me.P.)

Principal Investigator: Prof. Francesco Dotta

Job description:
- Performing routine and innovative analyzes on first, second and third generation Next Generation Sequencing platforms;
- supervision of the dissemination of scientific results;
- support for research and clinics by preparing samples for analysis, with particular attention to the study of nucleic acids;
- planning of timing and maintenance of the quality standards necessary for the analyses.

Application requirements:
- Diploma di laurea (DL, prior to M.D. 509/99) in Biology;
- Second cycle degree: laurea specialistica (LS) (under M.D. 509/99) in Biology 6/S or Medical Biotechnologies 9/S;
- Second cycle degree: laurea magistrale (LM) (under M.D. 270/04) in Biology LM-6 or Medical Biotechnologies LM-9.

Professional knowledge and skills:
- management of laboratory quality processes;
- experimental planning and design with the use of new generation sequencers;
- execution of molecular biology techniques in the genetic field, in particular first and second generation NGS technologies;
- use of online databases for the interpretation of sequencing results.

Assessable qualifications (up to a maximum of 18 points):
- PhD;
- documentable experience in:
  - management of laboratory quality processes;
  - experimental planning and design with the use of new generation sequencers;
  - execution of molecular biology techniques in the genetic field, in particular first and second generation NGS technologies;
  - use of online databases for the interpretation of sequencing results.
Foreign language proficiency: Advanced English

Exam topics: The exams will focus on topics relating to the activities regarding the Project.
Rif. 3

Profile: Technologist

Places available: 1

Category/Assignment area: Equivalent to the Administrator Area - (former category D, economic position D3 - Table B2 of the Education and Research National Labour Contract of 18/01/2024) - Scientific-Technological Area

Duration of the contract: 24 months – full time

Workplace: Department of Medicine, Surgery and Neuroscience

Research Project: “Precision Medicine” Regional Center for Precision Medicine (C.Re.Me.P.)

Principal Investigator: Prof. Francesco Dotta

Job description: Support activities for institutional communication in the context of research projects, in particular:

- Activation and management of the communication processes necessary to promote and support the functional activities of the project at a national and international level;
- Share the parties’ specialist knowledge and scientific-technological platforms, through the development of an adequate communication process;
- Support specialist teaching and dissemination actions, as well as professional training within the scientific activities of the Project;
- Scientific secretarial activities to support the Project Operational Units.

Application requirements:

1. First cycle degree in Communication science (L-20) or Diploma di laurea (DL, prior to M.D. 509/99) in Communication science (prior to M.D. 509/99);

Professional knowledge and skills:

Organization and coordination of national and international scientific and training events in the oncology field; Activation and management of communication processes relating to pre-clinical and clinical scientific research activities; Organization and coordination of training, educational and informative events, including ECM events, in the oncology field; Support in teaching activities in the oncology field; Many years of scientific secretarial experience in the context of pre-clinical and clinical research projects with particular regard to oncology.

Assessable qualifications (up to a maximum of 18 points):

- Documentable experience in:
  o Organization and coordination of national and international scientific and training events in the oncology field;
  o Activation and management of communication processes relating to pre-clinical and clinical scientific research activities;
  o Organization and coordination of training, educational and informative events, including ECM events, in the oncology field;
ANNEX A - Factsheets

- Support in teaching activities in the oncology field;
- Many years of scientific secretarial experience in the context of pre-clinical and clinical research projects with particular regard to oncology.

Foreign languages proficiency: English, French, Spanish and German
È inoltre richiesta la conoscenza delle seguenti lingue: Inglese, Francesce, Spagnolo e Tedesco.

Exam topics: The exams will focus on topics relating to the activities regarding the Project.