Molecular Medicine

Cycle
XXXVII

Director
Prof. Francesco Di Virgilio – Dept. of Medical Science – email francesco.divirgilio@unife.it

Duration
3 years

Curriculum
No

Research Topics
http://www.unife.it/studenti/dottorato/corsi/riforma/medicine

Qualification required for admission
Italian degree known as “Laurea specialistica/magistrale” or a degree awarded prior to approval of Ministerial Decree D.M. n. 509 of 3 November 1999, updated with D.M. n. 270 of 22 October 2004, n. 270; Master’s (second level) degree, or an equivalent foreign academic qualification awarded abroad.

Available Positions

<table>
<thead>
<tr>
<th>Positions with Scholarship</th>
<th>Regular positions</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positions without Scholarship</td>
<td>Regular positions</td>
<td>1</td>
</tr>
</tbody>
</table>

Positions reserved to candidates belonging to specific categories

| Reserved positions for candidates holding a foreign government scholarship or a scholarship funded by international mobility programmes | 2 |
| Reserved positions for employees engaged in high qualified research activities (Industrial Doctorate) | 1 |

Total number of available positions: 10

Kind of Financial Support

<table>
<thead>
<tr>
<th>N°</th>
<th>Financial support</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Università di Ferrara</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Co-financed by Dept. Medical Science and Università di Ferrara</td>
<td>Role of mitochondria in cystic fibrosis-associated inflammation</td>
</tr>
<tr>
<td>1</td>
<td>Co-financed by Dept. Medical Science and Università di Ferrara</td>
<td>Molecular cytogenetic lesions in chronic lymphocytic leukemia and targeted therapies</td>
</tr>
<tr>
<td>1</td>
<td>Co-financed by Dept. NeuroSciences and Rehabilitation and Università di Ferrara</td>
<td>Genetics, pharmacogenetics, and epigenetics of multifactorial disorders</td>
</tr>
<tr>
<td></td>
<td>Funded by Regione Emilia-Romagna: Research Project for Technology Transfer and Business</td>
<td>Application of artificial intelligence to the study of health conditions, epidemiology ed exposure for the identification of individual risk factors in Covid-19 and in the response to vaccination</td>
</tr>
<tr>
<td>1</td>
<td>Agreement with Consorzio Innovazione Frutta SOC. A R.L. (Industrial Doctorate. Reserved positions for employees engaged in high qualified research activities)</td>
<td>Evaluation of biological effects of plant exosomes</td>
</tr>
</tbody>
</table>

Admission Criteria

Evaluation of qualification: maximum score 35 points. Minimum score required to be admitted to the interview 25/35 - Interview: maximum score 45 points (including the foreign language examination) - Minimum final score required: 60/80

During the interview, the applicant’s knowledge of the following languages will be tested. English

List of documents for the evaluation

Curriculum studiorum
Mandatory documents:
Full Academic career information, a list of examinations and grades and final mark, for Bachelor and Masters degrees, and post degree experience.
Thesis abstract, max. length 2 pages, with the following structure: motivation, research methodology, results obtained or expected and bibliography. Only for undergraduates students the abstract must be signed by the supervisor.

Up to 12 points

Research Project
Max length: 2 pages - in English or in Italian which must contain an original proposal for a research project, with the following structure: introduction to the scientific international context, relevance of the topic, expected results, argumentation. The proposed research project is not binding with regard to the subsequent topic that will be carried out during the three year course.

Up to 5 points

Scientific Publications
Mandatory documents:
In extenso copy of the publications, abstracts and/or papers presented to meetings or congresses;

Up to 6 points
| Statement of research interest | Short text - maximum length: 2 pages - in English, which must contain the motivations to attend the Ph.D. programme and the candidate’s specific research interests. | Up to 5 points |
| Reference letters | Maximum 3 letters supporting the candidature from teaching staff of the candidate’s home university or other universities, or from non-academic experts in the research field of interest. | Up to 3 points |
| Other academic or professional qualifications | Linguistic certificates; Certified working experiences in the field; other academic qualifications | Up to 4 points |

**Interview**

During the interview the Candidate’s Research Project proposal will be discussed, and the Candidate’s linguistic skills will be verified.

**Examination Timetable**

Evaluation of qualifications and interview will take place in September.
Evaluation results may be checked at the following link: [http://www.unife.it/studenti/dottorato/concorsi/selection](http://www.unife.it/studenti/dottorato/concorsi/selection).
The beginning date for consulting the evaluation results and the interview schedule will be available within the present call deadline at the following page [http://www.unife.it/studenti/dottorato/concorsi/commissioni](http://www.unife.it/studenti/dottorato/concorsi/commissioni).