

INTERNATIONAL DOCTORATE IN ATOMIC AND MOLECULAR PHOTONICS

Coordinator prof. Francesco Saverio Cataliotti

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| SCIENTIFIC AREA | |
| ADMINISTRATIVE OFFICE | Department of Physics and Astronomy |
| PARTNERS INSTITUTIONS | Imperial College of London |
| CURRICULA | NO |
| <p>POSITIONS AVAILABLE: 9 Positions with Scholarship: 8 Positions without Scholarship: 1* <i>*standard ranking only</i></p> | |
| RANKING LIST FOR STANDARD POSITIONS SCHOLARSHIPS AVAILABLE: 6 | <p>1 – University of Florence 5 – European Laboratory for Non-linear Spectroscopy (LENS)</p> |
| RANKING LISTS FOR POSITIONS WITH SPECIFIC RESEARCH TOPICS SCHOLARSHIPS AVAILABLE: 2 | <p>1 – Department of Physics and Astronomy <i>“Innovative optical methods to investigate neural dynamics from freely moving mice”</i> Funded by project MIUR FARE: “All-optical brain imaging and control in freely moving rodents”.</p> <p>1 – LENS <i>“Development of advanced image analysis methods for light-sheet microscopy”</i> Funded by a project of National Institute of Health (USA) “Imaging and Analysis Techniques to Construct a Cell Census Atlas of the Human Brain” – (BRAIN Initiative).</p> |
| STUDY/RESEARCH PERIODS ABROAD | YES |
| MANDATORY PERIOD REQUIRED | 3 months in foreign laboratories |
| DOCUMENTS REQUIRED FOR THE ADMISSION (under penalty of exclusion) | <ul style="list-style-type: none"> • Copy of the Identification Document • <u>Replacement Declaration Form</u> self- declaration for: <ul style="list-style-type: none"> - Italian Degree required for the access - transcript of records with marks (<i>for those candidates whose degrees will be awarded within the 31st October 2019</i>) - acknowledgment of compliance for any other qualification documents enclosed with the application • Foreign Degree required for the access (<i>those candidates whose degrees will be awarded within the 31st October 2019 shall enclose the list of the examinations completed with marks</i>) |

| DOCUMENTS REQUIRED FOR THE EVALUATION | <p>MANDATORY</p> <ul style="list-style-type: none"> • Curriculum vitae • Research Project <p>OPTIONAL</p> <ul style="list-style-type: none"> • List of publications (in English) • Qualification documents (in English) | | | | | | | | | | | | | | | | | | |
|--|---|---------------|---------------|---------------|---|--------|--------|------------------|--------|--------|--|--|--|-----------|--------|--------|---|--|--|
| REFERENCE LETTERS | A section is provided in the online application to specify the e-mail addresses of two professors/researchers willing to provide information about candidates training path and activities performed within a scientific field related to the Ph.D. course. | | | | | | | | | | | | | | | | | | |
| RESEARCH PROJECT AND DOCUMENTS | The Candidate shall present a Research Project for her/his activity during the three years Ph.D.. The project must be two A4 pages. The project, the CV and all the other titles should be written in English . | | | | | | | | | | | | | | | | | | |
| MODALITY OF EVALUATION | <ul style="list-style-type: none"> • Evaluation of the curriculum, of the research project, and of the scientific qualifications documents • Interview <p>As detailed in the section below “Evaluation Marks”.</p> | | | | | | | | | | | | | | | | | | |
| LANGUAGE FOR THE INTERVIEW | English | | | | | | | | | | | | | | | | | | |
| SKYPE INTERVIEW | YES – possible for foreign residents only | | | | | | | | | | | | | | | | | | |
| FURTHER INFORMATION | Interview will be focused on the discussion of the research project and on the curriculum submitted by the candidate. Candidates interested in the specific research topic scholarship will be required to answer questions on smart bio-materials. | | | | | | | | | | | | | | | | | | |
| EVALUATION MARKS | <table border="1"> <thead> <tr> <th>parameter</th> <th>minimum score</th> <th>maximum score</th> </tr> </thead> <tbody> <tr> <td>Curriculum vitae, publications, qualification documents</td> <td>13/120</td> <td>20/120</td> </tr> <tr> <td>Project research</td> <td>27/120</td> <td>40/120</td> </tr> <tr> <td colspan="3">Applicants who obtain a mark of at least 40/120 according to the minimum score for each parameter will be admitted to the interview</td> </tr> <tr> <td>Interview</td> <td>40/120</td> <td>60/120</td> </tr> <tr> <td colspan="3">Eligibility is achieved with a minimum score of 80/120</td> </tr> </tbody> </table> | parameter | minimum score | maximum score | Curriculum vitae, publications, qualification documents | 13/120 | 20/120 | Project research | 27/120 | 40/120 | Applicants who obtain a mark of at least 40/120 according to the minimum score for each parameter will be admitted to the interview | | | Interview | 40/120 | 60/120 | Eligibility is achieved with a minimum score of 80/120 | | |
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| Project research | 27/120 | 40/120 | | | | | | | | | | | | | | | | | |
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| Interview | 40/120 | 60/120 | | | | | | | | | | | | | | | | | |
| Eligibility is achieved with a minimum score of 80/120 | | | | | | | | | | | | | | | | | | | |
| Further information available at the following web page: http://phd.lens.unifi.it/ | | | | | | | | | | | | | | | | | | | |

| EXAMINATION SCHEDULE | | | |
|---|---------------------------|-------------|---|
| | DATE | TIME | PLACE |
| INTERVIEW | 2 nd July 2019 | 09:00 a.m. | LENS Via N. Carrara 1 Sesto Fiorentino - Florence |
| The list of the candidates admitted to the interview and the final ranking will be published at the following web page: https://www.unifi.it/p11549.html | | | |