# INTERNATIONAL DOCTORATE IN ATOMIC AND MOLECULAR PHOTONICS

Coordinator prof. Francesco Saverio Cataliotti

## SCIENTIFIC AREA

<table>
<thead>
<tr>
<th>ADMINISTRATIVE OFFICE</th>
<th>Department of Physics and Astronomy</th>
</tr>
</thead>
</table>
| PARTNERS INSTITUTIONS | Universidad Complutense de Madrid  
Imperial College of London |
| CURRICULA | NO |

## POSITIONS AVAILABLE: 9

Positions with Scholarship:: 7  
Positions without Scholarship: 2*  
*standard ranking

### Ranking List for STANDARD POSITIONS

<table>
<thead>
<tr>
<th>Scholarships available: 6</th>
</tr>
</thead>
</table>
| 1 – University of Florence  
5 – European Laboratory for Non-linear Spectroscopy (LENS) |

### Ranking List for POSITIONS WITH SPECIFIC RESEARCH TOPICS

<table>
<thead>
<tr>
<th>Scholarship available: 1</th>
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</table>
| 1 - University of Florence – **Fondo Pluriennale Piano Strategico 2018**  
“Towards the artificial heart: smart biomaterials for the development of new epicardial devices” |

## RESERVED POSITIONS

NO

## STUDY/RESEARCH PERIODS ABROAD

YES

## MANDATORY PERIOD REQUIRED

3 months in foreign laboratories

## DOCUMENTS TO BE ENCLOSED WITH THE APPLICATION

### MANDATORY DOCUMENTS

- Copy of the Identification Document
- Replacement Declaration Form
- Curriculum vitae
- Research Project

### OPTIONAL DOCUMENTS

- 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

- evaluation of the curriculum, of the research project, and of the scientific qualifications documents
- Interview as detailed in the section below “evaluation marks”.

LANGUAGE FOR THE INTERVIEW

English for all applicants

SKYPE INTERVIEW

YES – possible for foreign residents only

FURTHER INFORMATION ABOUT EXAMINATION

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>
<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>
</tbody>
</table>

Applicants who obtain at least 40/120 marks in the evaluation of the above parameters will be admitted to the interview.

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

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>PLACE</th>
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</thead>
<tbody>
<tr>
<td>INTERVIEW</td>
<td>10 September 2018</td>
<td>9:00 a.m. LENS Via N. Carrara 1 Sesto Fiorentino - Florence</td>
</tr>
</tbody>
</table>

The list of the candidates admitted to the oral test and the final ranking will be published online at the following website page: https://www.unifi.it/p11361.html