**PHD PROGRAMME:**  
**Chemical and Material Sciences**

**PRESIDENT:**  
**Benedetta Mennucci**

**SUBJECT AREAS:**  
CHIM/01, CHIM/02, CHIM/03, CHIM/04, CHIM/05, CHIM/06

**DEPARTMENT:**  
Department of Chimica e chimica industriale: Via Risorgimento, 35 56126 Pisa

**ADMISSION REQUIREMENTS:**  
All

**OUTCOME OF THE SELECTION PROCEDURE:**  
Ranking of candidates for the whole Phd programme

**PHD POSITIONS AVAILABLE**

<table>
<thead>
<tr>
<th>Position with grant</th>
<th>Without grant</th>
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<td>6</td>
<td>2</td>
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**DETAILS:**

- 4 grants financed by University of Pisa
- 1 grant financed by MIUR “Fondo Giovani” on subject: “Advanced materials (especially ceramics) for structural applications”
- 1 grant financed by MIUR “Fondo Giovani” on subject “Relaunch of the pharmaceutical industry through the fine chemistry of natural compounds for new diagnostic applications and new active”

**SELECTION CRITERIA:**

**CURRICULUM:**  
The curriculum must be uploaded during the application process. The curriculum must provide information about the candidate’s academic education as well as his/her professional and research experience. Any other documents useful towards the assessment of the candidate’s curriculum should be attached. In particular, candidates have to upload CV, transcript of the exams, Master’s Degree Thesis, publications etc. (in Italian or in English).

**GRADE:** with a maximum grade of 30 points

**INTERVIEW:**  
The interview will assess the candidate’s knowledge and curriculum. The candidate should show aptitude for research, openness to international academic experiences and an interest in scientific research.

Date 26<sup>th</sup> September 2014  
Time: 9:00

Where: Department of Chimica e Chimica industriale Via Risorgimento, 35 56126 Pisa

**MINIMUM GRADE:** 42 out of 70

**WEBCONFERENCE:**  
Candidates who should to attend an interview via video conference have to submit to n. 0502210620 fax, no later than 5 september, 2014 the form eclosed at attachment A.
<table>
<thead>
<tr>
<th><strong>GUIDELINES FOR THE PRESENTATION OF THE PhD RESEARCH PROJECT</strong></th>
<th><strong>REQUIRED:</strong> YES</th>
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<tbody>
<tr>
<td>The research project must be uploaded during the online application process and will be discussed during the interview in order to highlight the capacity to carry out the project. The research proposal, up to 4000 characters, describes the main research areas of interest and the preferred lines of development of the candidate. Together with the research project Candidates are kindly suggested to upload their documents, CV, transcript of the exams, publications etc. either in Italian or in English.</td>
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<th><strong>INFO:</strong></th>
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<td>The PhD program aims at training young graduates in the Chemical and Material Sciences with a focus on both molecular aspects and Nanosystems. The aim is to develop research projects in the most modern and advanced fields of chemistry such as the Molecular Modeling, synthesis and spectroscopic study of biomolecules, the development of new materials, the study of phenomena underlying the production, storage and transportation of energy.</td>
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