



**"Annex 1" updated on 8<sup>th</sup> August 2019**

**(The updates and the corrections are highlighted in red colour)**

**(ANNEX 1)**

**CALL FOR PHD POSITIONS – 35 CYCLE  
July's session**

**PHD PROGRAMME IN MOLECULAR MEDICINE**

<b>PhD Programme Coordinator</b>	Prof. Franco Novelli
<b>Department</b>	Molecular Biotechnology and Health Science
<b>PhD Programme Length</b>	4 years
<b>PhD web site</b>	<a href="http://dott-mm.campusnet.unito.it/cgi-bin/home.pl">http://dott-mm.campusnet.unito.it/cgi-bin/home.pl</a>
<b>Course start date</b>	November 1 <sup>st</sup> , 2019
<b>Departments involved in PhD programme</b>	Department of Molecular Biotechnology and Health Sciences , Department of Surgical Sciences, Department of Oncology, Department of Clinical and Biological Sciences, Department of Chemistry, Department of Sciences of Public Health and Pediatrics.

<b>Positions offered <sup>1</sup></b>	
n. 1 position reserved to employees of RBM S.p.A. ( <i>"curriculum industriale": "Electronic data management and paper less solutions in a regulated enviroment and in compliance with Data Integrity Policy. / Gestione elettronica dei dati e soluzioni senza carta in un ambiente regolato ed in conformità con le procedure di Data Integrity Policy."</i> )	
<b>n. 2 scholarships</b>	of which: - n. 2 scholarships funded by RBM S.p.A.
<b>n. 1 position without financial support</b>	

**CALL FOR POSITIONS**

**Admission procedure**

<sup>1</sup> All additional scholarships and apprenticeship contracts (Legislative Decree no. 81/2015 art.45), which may become available after the publication of this Call, will be announced on the University websites <http://www.unito.it/ricerca/fare-ricerca-unito/dottorati-di-ricerca> and <http://en.unito.it/research/phd/phd-programmes> until Call's deadline.



Assessment of qualifications, written examination and interview	
<b>Qualifications to be uploaded in the on-line application</b>	
<ul style="list-style-type: none"> <li>• Research Project</li> <li>• Thesis Abstract</li> <li>• Publications</li> </ul>	
<b>Assessment criteria</b>	<b>maximum score 100 points</b>
<b>Assessment of qualifications</b>	<b>maximum score 20 points</b>
<p>Final grade of Laurea/ second cycle degree (or list of examinations taken during the Laurea Magistrale/2<sup>nd</sup> cycle degree and Laurea Triennale/ 1<sup>st</sup> cycle degree for candidates applying under condition)</p> <p>110L <b>5</b> points            110 <b>4</b> points            Da 106 a 109 <b>3</b> points            Da 103 a 105 <b>2</b> points            Da 100 a 102 <b>1</b> point            &lt; 100 <b>0</b> points</p> <p>In absence of the final grade, the weighted average of the exams completed in the Laurea Magistrale/2<sup>nd</sup> cycle degree and Laurea Triennale/ 1<sup>st</sup> cycle Degree will be evaluated:</p> <ul style="list-style-type: none"> <li>• 30            5 points</li> <li>• 28-29       4 points</li> <li>• 27            3 points</li> <li>• 26            2 points</li> <li>• 24-25       1 point</li> <li>• &lt;24         0 points</li> </ul> <p>If the decimal part is <math>\geq 5</math>, the average is rounded up, otherwise it is rounded down.</p>	maximum score 5 points
Thesis abstract of Master Degree	maximum score 8 points
Publications and other scientific qualifications (up to 7 points) <b>Publications</b> - Publications will be assessed only if relevant to one of the research fields of the Programme and if their scientific dimension is recognised; not yet	maximum score 7 points



<p>published papers will not be evaluated, as well as non-published Master Thesis or other non-published papers;</p> <ul style="list-style-type: none"> <li>- If meeting the above mentioned requirements, publications will be evaluated as follows:             <ul style="list-style-type: none"> <li>• Publications with Impact Factor: up to 2 points each</li> <li>• Publications without Impact Factor or chapter of book/monography: up to 1 point each</li> <li>• Abstract or publications about conference papers: up to 0.2 points each</li> </ul> </li> </ul> <p><b>Other qualifications</b>            Titles or traineeships relating to merely professional skills will not be evaluated.            If completed, the following will be evaluated:</p> <ul style="list-style-type: none"> <li>- Second/additional Master degree: 1 point</li> <li>- Courses at least 5 days long: 0.5 points</li> <li>- Italian specialising master 1<sup>st</sup> and 2<sup>nd</sup> level degree if relevant: 1 point</li> <li>- PhD: 2 points</li> <li>- <i>Diploma di scuola di specializzazione</i> (equivalent to Italian specialising school diploma): 2 points</li> <li>- Scholarships / research grants / any other grant for attendance at Health Science Specialisation Schools: 1 point per year of attendance</li> </ul>	
<p><i>Minimum threshold for admission to the written examination</i></p>	<p><i>10 points</i></p>
<p><b>Written examination</b></p>	<p><b>Maximum score: 40 points</b></p>
<p><i>Minimum threshold for admission to the interview</i></p>	<p><i>20 points</i></p>



<b>Interview</b>	<b>Maximum score: 40 points</b>
<i>Minimum threshold for passing the interview</i>	<i>20 points</i>
<b>Further information on examinations:</b>	
<p>In the <b>written examination</b> candidates will have to analyse a scientific article about any of the subject areas covered by the research projects offered by the PhD Programme. They will also have to outline aims, scientific methods, results and conclusions.</p> <p>The <b>interview</b> will cover the qualifications and the publications of the candidates, their professional and studiorum curriculum, according to Europass CV template, and their scientific and cultural interests; it must assess the basic knowledge of the subject needed to successfully attend the programme. The Examination Board will focus on:</p> <ul style="list-style-type: none"><li>- The level of knowledge of the subject and how the candidate is able to summarise it;</li><li>- The knowledge of the research subject that the candidate chooses from those offered by the PhD Programme ;</li><li>- The originality of the research proposal, considering also its interdisciplinarity.</li></ul> <p>Knowledge of the <b>English</b> language is <b>compulsory</b>.</p> <p>Applicants may, on request, take the examinations in English.</p> <p>The <b>interview</b>, on request of the candidate and duly authorised by the examining board, may be taken via Skype (art. 8 of the Call).</p>	

**Titoli progetti di ricerca**  
**Dottorato di Ricerca in Medicina Molecolare**

**Titles of research projects**  
**PhD Programme in Molecular Medicine**

1. Electronic data management and paper less solutions in a regulated environment and in compliance with Data Integrity Policy. / Gestione elettronica dei dati e soluzioni senza carta in un ambiente regolato ed in conformità con le procedure di Data Integrity Policy. (*Tutor: Fiorella Altruda*) (*titolo di progetto abbinato al curriculum industriale e riservato ad un dipendente RBM S.p.A. / research project linked to "curriculum industriale" and reserved to employees of RBM S.p.A.*)
2. Sviluppo e validazione di metodi citofluorimetrici per lo studio dell'immunofenotipo in animali di laboratorio utilizzati nello sviluppo preclinico del farmaco. / Development and validation of flow cytometric methods for the study of immunophenotype in laboratory animals used in the preclinical development of the drug. (*Tutor: Fiorella Altruda*) (*titolo di progetto abbinato alla*



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*borsa di studio finanziata da / research project linked to the PhD scholarship funded by RBM S.p.A.)*

3. Applicazione di metodi di gene editing nell'ambito biofarmaceutico. / Application of gene editing methods in the biopharmaceutical field. (Tutor: Fiorella Altruda) (titolo di progetto abbinato alla borsa di studio finanziata da / research project linked to the PhD scholarship funded by RBM S.p.A.)
4. Meccanismi molecolari di controllo della proliferazione, sopravvivenza e differenziamento cellulare in condizioni fisiologiche e patologiche / Molecular mechanisms of cell proliferation, survival and differentiation in physiologic and pathologic conditions (Supervisore: Prof.ssa Defilippi) (titolo di progetto abbinato al posto senza borsa)