



# UNIVERSITÀ DEGLI STUDI DI TORINO

**“Annex 1” updated on 28th May 2020**  
**(The updates and the corrections are highlighted in red colour)**

**(Annex 1)**

## **CALL FOR PHD POSITIONS – 36<sup>th</sup> CYCLE** **PHD PROGRAMME IN BIOMEDICAL SCIENCES AND ONCOLOGY**

<b>PhD Programme Coordinator</b>	Prof. Emilio Hirsch
<b>Department</b>	Biotechnologie Molecolari e Scienze della Salute
<b>PhD Programme Length</b>	4 years
<b>PhD web site</b>	<a href="http://dott-sbou.campusnet.unito.it/do/home.pl">http://dott-sbou.campusnet.unito.it/do/home.pl</a>
<b>Course start date</b>	1 <sup>st</sup> October, 2020
<b>Departments involved in PhD programme</b>	Department of Molecular Biotechnology and Health Sciences, Department of Oncology, Department of Public Health and Pediatrics, Department of Surgical Sciences, Department of Medical Sciences, Clinical and Biological Sciences

<b>Positions offered<sup>1</sup> by the PhD Programme</b>	
n. <b>10</b> positions with scholarships, of which n. 2 reserved to students with international qualifications	of which: <ul style="list-style-type: none"><li>- 7 scholarships are funded by the University of Torino</li><li>- 1 scholarship is funded by I.N.P.S.<sup>2</sup></li><li>- <b>1 scholarship funded by Dipartimento di Biotechnologie Molecolari e Scienze per la Salute</b></li><li>- <b>1 scholarship funded by “Associazione Oncologica Pediatrica ODV”</b></li></ul>
n. <b>3</b> positions without scholarships	

### **CALL FOR NON-RESERVED/ORDINARY POSITIONS**

#### **Admission procedure for non-reserved/ordinary positions**

<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.

<sup>2</sup> As regards with positions with scholarship funded by I.N.P.S. (*Istituto Nazionale per la Previdenza Sociale*) and linked to specific research topics for XXXVI PhD cycle (a.y. 2020/2021), applicants must comply with the conditions set out in the Article 3 of the Call for Admissions. The Annual amount of the I.N.P.S. scholarship is 15.343,28 € (gross amount).



Assessment of qualifications and interview	
<b>Qualifications to be uploaded in the online application</b>	
<ul style="list-style-type: none"> <li>• Master Thesis Abstract</li> <li>• Publications (max. 4)</li> </ul>	
<b>Assessment criteria (for non-reserved positions)</b>	<b>maximum score 100 points</b>
<b>Assessment of qualifications:</b>	<b>maximum score 20 points</b>
<p><b>Final grade of second cycle degree:</b></p> <ul style="list-style-type: none"> <li>• 110-110L _____ 5 points</li> <li>• 107-109 _____ 4 points</li> <li>• 104-106 _____ 3 points</li> <li>• 100-103 _____ 2 points</li> <li>• <math>\leq 99</math> _____ 1 point</li> </ul> <p>Weighted average of the examinations taken during the Laurea Magistrale (2nd cycle degree) and Laurea Triennale (1st cycle degree) if applying under condition:</p> <ul style="list-style-type: none"> <li>• Average equal to 30/30 _____ 5 points</li> <li>• Average equal to 29/30 _____ 4 points</li> <li>• Average equal to 28/30 _____ 3 points</li> <li>• Average equal to 27/30 _____ 2</li> <li>• Average &lt; 27/30 _____ 1 points</li> </ul> <p>The average is rounded up if the decimal part is <math>\geq 0.5</math>, otherwise it is rounded down.</p>	maximum score 5 points
<b>Master Thesis abstract</b>	maximum score 8 points
<p><b>Publications</b></p> <p>Publications will be assessed only if relevant to the PhD programme and if their scientific dimension is well-recognised; not yet published works will not be evaluated, as well as master thesis or other works if not published.</p> <p>If the above requirements are met, publications will be evaluated as follows:</p> <ul style="list-style-type: none"> <li>• Publications (with IF): up to 1 point each</li> <li>• Posters for congresses: 0.5 points each</li> <li>• Communications at conferences: 0.5 points each</li> </ul>	maximum score 4 points



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<b>Other qualifications</b>  Titles relating to professional skills, not pertinent with the research activity, will not be evaluated. If completed, the following will be assessed: <ul style="list-style-type: none"> <li>• Second/additional master degree: 1 point</li> <li>• Any other pertinent specialising course: 1 point</li> <li>• Italian specialising master 1<sup>st</sup> and 2<sup>nd</sup> level degree if relevant: 0.5 points</li> </ul>	Maximum score 3 points
<b>Minimum threshold for admission to the next examination</b>	<b>10 points</b>
<b>Interview</b>	<b>Maximum score 80 points</b>
<b>Minimum threshold for passing the interview</b>	<b>60 points</b>
<b>Further information on examinations:</b>  Knowledge of the English language is compulsory.	

<b>CALL FOR POSITIONS RESERVES TO APPLICANTS WITH INTERNATIONAL QUALIFICATIONS</b>	
<b>Admission procedure for positions reserved to applicants with international qualifications</b>	
Assessment of qualifications. Candidates may be contacted by the examining board for a Skype interview for further information about the submitted documentation. Candidates must therefore specify a <u>Skype account</u> in the online application.	
<b>Qualifications to be uploaded in the online application</b>	
<ul style="list-style-type: none"> <li>• Abstract thesis (a draft if in preparation)</li> <li>• Publications (max. 4)</li> <li>• CV</li> </ul>	
<b>Assessment criteria for positions reserved to students with international qualifications</b>	<b>maximum score 100 points</b>
<b>Curriculum studiorum et vitae</b>	maximum score 20 points
<b>Thesis Abstract</b>	maximum score 50 points
<b>Publications and other qualifications</b>	maximum score 30 points



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<b>Minimum threshold for admission</b>	<b>50 points</b>
<b>Further information on examinations for reserved positions</b> Candidates may be contacted by the examining board for a Skype interview for further information about the submitted documentation. Candidates must therefore specify a <u>Skype account</u>	

<b>Titoli progetti di ricerca</b> <b>Dottorato di Ricerca in Scienze Biomediche ed Oncologia</b> <b>Titles of research projects</b> <b>PhD Programme in Biomedical Sciences and Oncology</b>
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- 1) Studio dei processi cellulari di trasformazione tumorale e di nuove terapie contro il cancro/  
Study of cellular processes leading to tumor transformation and of new treatments for cancer  
(Curriculum in Oncologia/Oncology)
- 2) Studio di modelli sperimentali di patologie umane attraverso l'analisi di organismi e cellule geneticamente modificate / Study of human disease models analyzing genetically modified cells and organisms (Curriculum in Genomica Funzionale/Functional Genomics)
- 3) Genetica, epigenetica e terapia di malattie rare e complesse, interazione geni-ambiente e risposta immune/ Genetics, epigenetics and therapy of rare and complex diseases, gene-environment interaction and immune response (Curriculum in Genetica/Genetics)
- 4) Implicazioni terapeutiche della riprogrammazione metabolica nel cancro: individuazione di nuovi target/ Therapeutic implications of metabolic reprogramming in cancer: novel targets identification (Curriculum in Immunodiagnostica/Immunodiagnostics)
- 5) Studi in ambito ginecologico, ostetrico o pediatrico / Studies in the field of gynecology, obstetrics or pediatrics (Curriculum in Ginecologia, Ostetricia, Pediatria/Gynecology, Obstetrics, Pediatrics)
- 6) Analisi dei meccanismi di chemioresistenza tumorale. (*Research topic linked to INPS scholarship*)
- 7) Studio del meccanismo d'azione della proteina PI3K-C2 $\alpha$  nella progressione del carcinoma mammario. / Study of the mechanism of action of the PI3K-C2 $\alpha$  protein in the progression of breast cancer" (*tutor: Emilio Hirsch*) (*titolo di ricerca abbinato a borsa di studio finanziata dal Dipartimento di Biotecnologie Molecolari e Scienze per la Salute / research project linked to the scholarship funded by Dipartimento di Biotecnologie Molecolari e Scienze per la Salute*)
- 8) Mesenchymal Stem Cell-Based drug delivery for pediatric sarcoma tumors. (*tutor: Franca Fagioli*) (*titolo di ricerca abbinato a borsa di studio finanziata da Associazione Oncologica Pediatrica ODV / research project linked to the scholarship funded by Associazione Oncologica Pediatrica ODV*)