



**DOCTORAL PROGRAMME in
NANOTECHNOLOGY
ADMISSION INFORMATION**

[Overview](#)

[Website](#)

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Disclaimer: this is only an overview including the main deadlines and a checklist of items to be submitted. Exhaustive information on how to apply for admission is published in the Notice of Competition posted on the web page <http://www2.units.it/dott/en/> >> Notice of Competition.

REQUIREMENT	DEADLINE
online application and upload of documents	14 June 2018 1:00 p.m. (Italian time)
payment of the admission exam fee	14 June 2018
for Italian degrees: deadline for graduation	31 October 2018
for foreign degrees	1 October 2018
submission of foreign degree diploma/certificate (if available by 14 th June, please upload it; beyond that date, please email to dottorati@amm.units.it)	within 10 days of graduation (and in any event not later than 11 October 2018)

Documents to be uploaded(*) NOTE: failure to submit the mandatory documents will result in the exclusion of the candidate	Mandatory / Optional
1. proof of identity	mandatory
2. curriculum vitae et studiorum	mandatory
3. university qualifications (Master level): a. for graduates or near-graduates in Italy: self-certification of the average of all marks earned + self-certification of the examinations and relevant scores, with regard to second-cycle degree (<i>Laurea magistrale</i> or <i>specialistica</i>) or single-cycle degree (<i>Laurea</i> , delivered prior to the reformed university system). Only for graduates: self-certification of the degree final mark. Self-certification can be drafted using the form available on http://www2.units.it/dott/en/?file=DottBandi.inc >> application forms, or using the online services of the issuing University, where applicable. b. for graduates from abroad: Master diploma/certificate or equivalent qualification giving access to the Doctoral Programme	mandatory

<p>+ Transcript of Records including examinations and scores obtained. Where applicable, a Diploma Supplement can be submitted instead of the Transcript. The academic qualification must be comparable by duration and level (and, where applicable, by subject area) with the Italian degree giving access to the Doctoral Programme and allow access to the PhD in the issuing country.</p> <p>c. for near-graduates from abroad: Transcript of Records including examinations and scores obtained in the academic Programme (Master or equivalent). The Transcript must indicate the name of the qualification to be awarded which must be comparable by duration and level (and, where applicable, by subject area) with the required Italian degree and allow access to the PhD in the issuing country.</p> <p>Please note that if all documents as described in points b. and c. are issued in a language other than English or Italian, a translation must be included, along with the original document (see par. 3.2 of the Notice of Competition).</p>	
<p>4. university qualifications (Bachelor level):</p> <p>a. for graduates in Italy: self-certification of the examinations and relevant scores of first-cycle degree, where applicable; Self-certification can be drafted using the form available on http://www2.units.it/dott/en/?file=DottBandi.inc >> application forms, or using the online services of the issuing University, if available.</p> <p>b. for graduates from abroad: Bachelor diploma/certificate or equivalent first-cycle qualification (if applicable) + Transcript of Records including examinations and scores obtained. Where available, a Diploma Supplement can be submitted instead of the Transcript.</p> <p>Please note that if documents as described in point b. are issued in a language other than English or Italian, a translation must be included, along with the original document.</p>	optional
<p>5. for graduates and near-graduates: abstract of the degree thesis (i.e. Master degree or comparable qualification)- with emphasis on the performance of the thesis activity - to be drawn up according to the template available on http://www2.units.it/dott/en/?file=DottBandi.inc >> Application forms</p>	mandatory
<p>6. statement of purpose/self presentation</p>	mandatory
<p>7. max two letters of reference / recommendation from lecturers / researchers to be sent directly by the referees to the email account dottorato.nanotecnologie@units.it (subject: "Letter concerning Surname Name) before 14 June 2018 1:00 pm (Italian time)</p>	optional (*) <i>exception: submission via email</i>
<p>8. publications and conference presentations</p>	optional
<p>9. Research project: Candidates must submit a project in a topic of their choice based on their specific competencies which needs not be consistent with the subject that will be developed during their research. The project is required only for the purpose of assessment and will be evaluated base on originality and competence criteria. Suggestions for research projects can be found on the PhD Programme webpage: https://web.units.it/dottorato/nanotecnologie/en Failure to submit the project will result in the exclusion of the candidate. The project must be drafted, preferably in English, using the template available on http://www2.units.it/dott/en/?file=DottBandi.inc&cod=1010 >> "Research Project form"</p>	mandatory

PLACES, SCHOLARSHIPS, RESEARCH GRANTS AVAILABLE	
Total number of places available (excluding reserved places - see codes below: [R/2] [R/3] [R/4] [R/5])	13
without scholarship – cod [SB(A4)]	1

with scholarship (A1)	12	<p>Note:</p> <ul style="list-style-type: none"> - Candidates who accept a subject-specific scholarship are committed to the project topic. - Attendance abroad that entitles to a scholarship increase - min. max. of months for each PhD student (over 3 years) are 0 - 18
Scholarships/Research grants available with indication of their code, total number and funding body	M/1	<p>1 Scholarship MIUR/University</p> <p>The topic must be consistent with the PhD sectors/research lines</p> <p>Link to possible projects: http://web.units.it/dottorato/nanotecnologie/en</p>
	MD/2	<p>1 Scholarship MIUR/University co-financed by the Department of Chemical and Pharmaceutical Sciences funded by G-IMMUNOMICS</p> <p>Project title: "Synthesis, properties and applications of new nanocarbons"</p> <p>Principal investigator: prof. Prato – prato@units.it</p> <p>Project link: https://www2.units.it/pratoweb/Maurizio_Prato/Research.html</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 3</p>
	MD/3	<p>1 Scholarship MIUR/University co-financed by the Department of Chemical and Pharmaceutical Sciences funded by G-IMMUNOMICS</p> <p>Project title: "Immunocompatibility, and biomedical applications of new nanocarbons"</p> <p>Principal investigator: prof. Prato – prato@units.it</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 3</p>
	MD/4	<p>1 Scholarship MIUR/University co-financed by the Department of Physics funded by ELETTRA – SINCROTRONE S.C.p.A.</p> <p>Project title: "Integrated nanotechnology and biomechanics platforms for cancer theranostics"</p> <p>Principal investigator: prof. Casalis – loredana.casalis@elettra.eu</p> <p>Project link: http://www.elettra.eu/labs/nanostructure</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 3</p>
	MD/5	<p>1 Scholarship MIUR/University co-financed by the Department of Physics funded by IOM-CNR</p> <p>Project title: "Nanomechanical structures for cell characterization and detection"</p> <p>Principal investigator: prof. Lazzarino e Dr: Dal Zilio – lazzarino@iom.cnr.it - dalzilio@iom.cnr.it</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 3</p>
	MD/6	<p>1 Scholarship MIUR/University co-financed by the Department of Physics funded by IOM-CNR</p> <p>Project title: "Single particle approaches in biological cryo-nanoscopia"</p> <p>Principal investigator: prof. Lazzarino e Prof: Cozzini – lazzarino@iom.cnr.it - cozzini@iom.cnr.it</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 3</p>
	MD/7	<p>1 Scholarship MIUR/University co-financed by the Department of Physics funded by IOM-CNR</p> <p>Project title: "Development of plasmonic nano-optics for nanoscopia and nano sensing applications"</p> <p>Principal investigator: prof. Romanato – romanato@iom.cnr.it</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 3</p>

D/8	1	<p>Scholarship financed by the Department of Physics funded by IOM-CNR</p> <p>Project title: "Advance characterization of organic complexes films crown onto bidimensional systems"</p> <p>Principal investigator: prof. Pedio – pedio@iom.cnr.it</p> <p>Project link: https://www.iom.cnr.it/sipe</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 3</p>
D/9	1	<p>Scholarship financed by the Department of Physics funded by IOM-CNR</p> <p>Project title: "Spectroscopy and dynamics of hybrid nanomaterials and precursor in gaseous jets"</p> <p>Principal investigator: prof. Coreno – coreno@iom.cnr.it</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 3</p>
MD/10	1	<p>Scholarship MIUR/University co-financed by the Department of Life Sciences funded by Centro di Riferimento Oncologico Istituto nazionale tumori CRO – Aviano</p> <p>Projects HORIZON 2020:</p> <p>"DiaChemo - "Point-of-care microfluidic device for quantification of chemotherapeutic drugs in small body fluid samples by highly selective nanoparticle extraction and liquid crystal detection"</p> <p>CUP: J32115002440006</p> <p>"U-PGx - Ubiquitous Pharmacogenomics (U-PGx): Making actionable pharmacogenomic data and effective treatment optimization accessible to every European citizen"</p> <p>CUP: J32115002510006</p> <p>Project title "Set-up of polymeric nanoparticles for drug delivery and targeted therapy"</p> <p>Principal investigator: dott. Giuseppe Toffoli – gtoffoli@cro.it</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 3</p>
MD/11	1	<p>Scholarship MIUR/University co-financed by the Department of Life Sciences funded by Centro di Riferimento Oncologico Istituto nazionale tumori CRO – Aviano</p> <p>Projects HORIZON 2020:</p> <p>"DiaChemo - "Point-of-care microfluidic device for quantification of chemotherapeutic drugs in small body fluid samples by highly selective nanoparticle extraction and liquid crystal detection"</p> <p>CUP: J32115002440006</p> <p>"U-PGx - Ubiquitous Pharmacogenomics (U-PGx): Making actionable pharmacogenomic data and effective treatment optimization accessible to every European citizen"</p> <p>CUP: J32115002510006</p> <p>Project title "Characterization of anti-GPC3 targeted nanoparticles for the treatment of Hepatocellular Carcinoma"</p> <p>Principal investigator: dott. Giuseppe Toffoli – gtoffoli@cro.it</p> <p>Note: number of months abroad for the purpose of scholarship increase: max 3</p>

	MD/12	1	Scholarship MIUR/University co-financed by the Department of Life Sciences funded by Centro di Riferimento Oncologico Istituto nazionale tumori CRO – Aviano Projects HORIZON 2020: “DiaChemo - "Point-of-care microfluidic device for quantification of chemotherapeutic drugs in small body fluid samples by highly selective nanoparticle extraction and liquid crystal detection" CUP: J32115002440006 “U-PGx - Ubiquitous Pharmacogenomics (U-PGx): Making actionable pharmacogenomic data and effective treatment optimization accessible to every European citizen” CUP: J32115002510006 Project title “Development of targeted nanoparticles for the treatment of solid tumors” Principal investigator: dott. Giuseppe Toffoli – gtoffoli@cro.it Note: number of months abroad for the purpose of scholarship increase: max 3
<i>Places with scholarships/research grants, reserved for graduates from foreign universities with indication of their code, total number and funding body</i>		R(B)/1	0
<i>Places without scholarship, reserved for graduates from foreign universities</i>		R(F)/1	0
<i>Reserved places without scholarship</i>	<i>Recipients of scholarships granted by foreign countries</i>	R(C)/2	0
	<i>Recipients of scholarships granted under international mobility programmes</i>	R(D)/3	0
	<i>Scholars selected under international agreements or programmes where UniTS is involved as coordinating or partner institution</i>	R(D)/4	0
	<i>Highly-qualified staff employed in research institutes or centres (while remaining on salary from the employer)</i>	R(E)/5	0
<i>PhD students from foreign universities admitted under joint supervision of thesis</i>			yes

TERMS AND CONDITIONS

Academic qualification required: see Notice (art. 2 - Requirements)

“Lauree vecchio ordinamento” awarded in Italy All

“Lauree specialistiche” awarded in Italy All

“Lauree magistrali” awarded in Italy All

<i>Selection criteria</i>	Qualifications + oral examination/interview Maximum final score: 70 – minimum final score required for eligibility 45
<i>Evaluation</i>	Qualifications (maximum final score 20 – minimum final score required 10): <ul style="list-style-type: none"> • curriculum vitae et studiorum max 12 • exams max 2 • thesis abstract max 2 • self presentation letter max 4 • letters of reference / recommendation max 4 • publications/conference presentations max 2 <hr/> Oral examination/interview: maximum score 50 – minimum score required 35

Note: The Examination Panel may decide to adopt evaluation subcriteria

The admission results will be published on <http://www2.units.it/dottorati/> >> Admission to PhD Programme. The admission process includes the following steps: Assessment of foreign degrees >> Assessment of other qualifications >> Oral examination/interview. The merit list will be published after approval of the exam minutes by the Rector.

<i>Examination schedule</i>	<i>Assessment of qualification</i>	from 25 June 2018
	<i>Oral examination/interview</i>	11 July 2018 at 09:00 a.m. (Italian time) , University of Trieste – Department of Chemical and Pharmaceutical Sciences, Building C11 – 1 st floor – “Sala del Consiglio” The Examination Panel may decide to interview candidates on subsequent dates
	<i>Language(s) of the interview</i>	Italian or English Only English for non-Italian candidates
	<i>Language(s) tested in the oral examination/interview</i>	English (level of knowledge required: CEFR B2)
	<i>Videoconference interview</i>	Upon request of the candidates, the interview may be carried out by videoconference via Skype. Any candidates, who had not requested a video conference interview at the time of the application, can submit the request for video conferencing by sending an email to dottorato.nanotecnologie@units.it up to four working days before the date of the interview, stating the grounds for their request. The Videoconference interview form is available on http://www2.units.it/dott/files/VideoconfInterview.pdf The Examination Panel will gather on 11 July 2018 at 9:00 a.m. (Italian time) , University of Trieste – Department of Chemical and Pharmaceutical Sciences, Building C11 – 1 st floor – “Sala del Consiglio”. Candidates will need to indicate their skype account and phone number on the form.

SUPPLEMENTARY INFORMATION (following publication of the Notice of Competition)

14 May 2018	- the Research Project has been added as mandatory document
15 May 2018	- added scholarships MD/10, MD/11, MD/12 - total number of places available from 10 to 13 - total number of scholarships available from 9 to 12
6 August 2019	- the description of scholarships MD/10, MD/11, MD/12 has changed