MEDICAL SCIENCES SPECIALITY

Coordinator
Professor Sandro Mattioli - Department of Medical and Surgical Sciences - Via Massarenti, 9 - Bologna - sandro.mattioli@unibo.it

Website
http://www.dimec.unibo.it/it/ricerca/dottorati-di-ricerca

Duration
3 years

Academic year
2013/2014

Programme start date
01/01/2014

Programme held in
Italian

Main Department
Department of Medical and Surgical Sciences

Associated Unibo Departments
Department of Experimental, Diagnostic and Specialty Medicine
Department of Biomedical and Neuromotor Sciences

Partner Institutions
Università degli Studi di Roma - Tor Vergata - Dipartimento di Biomedicina e Prevenzione - Divisione Clinicizzata di Malattie dell'Apparato Respiratorio
Università degli Studi di Siena - Dipartimento di Scienze Mediche, Chirurgiche e Neuroscienze - Unità Operativa Complessa di Chirurgia Toracica
Università degli Studi di Brescia - Dipartimento Di Specialita' Medico-Chirurgiche, Scienze Radiologiche E Sanita' Pubblica - UO Nefrologia
Università degli Studi di Chieti - Pescara "G. D'Annunzio" - Unità Operativa Nefrologia e Dialisi - Medicina e Scienze dell'Invecchiamento
Università di Modena e Reggio Emilia - Chirurgico, medico, odontoiatrico e di scienze morfologiche con interesse trapiantologico, oncologico e di medicina rigenerativa - UO Nefrologia e Dialisi
Ia Università degli Studi di Roma "La Sapienza" - Dipartimento di Scienze cardiovascolari, respiratorie, nefrologiche, anestesiologiche e geriatriche - Dipartimento UO Nefrologia, Dialisi Ed Emodialisi
Università di Ferrara - Dipartimento di Scienze Mediche
Università degli Studi di Milano - Dipartimento di Scienze della salute Istituto Europeo di Oncolgia, Divisione di Chirurgia Toracica
Gruppo Villa Maria - Dipartimento di Chirurgia Cardiotoracica, Villa Maria Cecilia, San Pier Damiano Hospital
Casa di Cura San Raffaele - Velletri (ROMA) - Riabilitazione respiratoria pneumologica-Laboratorio di Fisiopatologia Respiratoria.
Convenzione in essere con la Cattedra di Malattie dell'apparato respiratorio, Università di Roma Tor Vergata
Fresenius Medical Care International-Bad Homburg (Germany) (Legale rappr. Prof. J. Vienken)
Novartis Farma S.p.A. - sede di Milano (Legale rappr. Dr. Giuseppe Corbetta)
Università di Bologna, Facoltà di Medicina e Chirurgia - Dipartimento di Medicina Interna, dell'Invecchiamento e Malattie Nefrologiche
Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST) - IRST Meldola (FC)
University Hospital St. Luc-Université Catholique de Louvain, Brussel (Belgio) - Service de chirurgie cardio-vasculaire et thoracique
Università di Gent (Belgio) International Faculty for artificial organs (INFA)
Università di Strathclyde (Gran Bretagna) International Faculty for artificial organs (INFA)
Università di Osaka (Giappone) International Faculty for artificial organs (INFA)
Università René Descartes (Francia) International Faculty for artificial organs (INFA)
Università di Rostock (Germania) International Faculty for artificial organs (INFA)
Università dell'Utah (USA) International Faculty for artificial organs (INFA)
Sapporo Medical College (Giappone) International Faculty for artificial organs (INFA)
Università di Groningen (Olanda) International Faculty for artificial organs (INFA)
Baylor College of Medicine International Faculty for artificial organs (INFA)
Universidad Autonoma de Barcelona (Spagna) Fundació Puigvert, Institut d'Urologia, Nefrologia i Andrologia
Utrecht University Hospital (Olanda) Heart Lung Institute
Columbia University New York (USA) Columbia University Medical Center- Department of Cardiothoracic Surgery

Research topics
- Cardiology
- Thoracic Surgery
- Dialysis
- Nephrology
- Neurology
- Sleep medicine
- Diseases of the Esophagus
- Circadian Rithms
- Vegetative Nervous System
- Kidney Transplantation
- Pneumology
- Heart failure and Congenital Heart Diseases
- Lung Transplantation
Requirements and Admission procedures

Requirements
An Italian university degree (laurea specialistica/ magistrale - 3+2 years) or pre-reform degree (vecchio ordinamento - 4 years) or an equivalent degree obtained abroad. Also applicants whose degree will be awarded no later than December 31, 2013 can participate to the selection procedures.

Mandatory documents to be enclosed with the online application (failure to comply with such requirements will result in the exclusion from the competition)
1. CV
2. copy of Bachelor’s and Master’s degree, list of exams taken with grades and final mark (in Italian or English)
3. only for those who do not hold a Master’s degree when submitting the application: copy of the exams taken with grades

For documents listed at points 2. and 3., please note that:
- for degrees obtained in Italian Universities: upload a SIGNED self-declaration;
- for degrees obtained in non-EU Countries: upload the degree certificate issued by the relevant University;
- for degrees obtained in EU countries (except Italy): you can either upload a SIGNED self-declaration or the degree certificate issued by the relevant University, translated in Italian or English;
- all documents must contain the following information: personal data, name of the University, degree name, final score, transcript (see art. 2 of the call).

Other documents to be enclosed, if available
- Articles published in scientific journals listed in PubMed, related to the research topics of the PhD Programme. The Admission Board will take into account the applicant’s contribution to the articles, rewarding position I, II and last in the list of authors
- Any other relevant document (scholarships, awards, attendance of courses, Master, participation to Erasmus or other exchange programs, etc.)

Agenda

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<thead>
<tr>
<th>Description</th>
<th>When</th>
<th>Where</th>
<th>Time</th>
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<tbody>
<tr>
<td>Evaluation of qualifications and research project</td>
<td>21/10/2013</td>
<td>Biblioteca &quot;Possati&quot; Dipartimento di Scienze Mediche e Chirurgiche, Policlinico S.Orsola-Malpighi, PAD 25, Via Massarenti 9 Bologna (Applicants presence is not requested)</td>
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<td>Oral examination</td>
<td>04/11/2013</td>
<td>Biblioteca &quot;Possati&quot; Dipartimento di Scienze Mediche e Chirurgiche, Policlinico S.Orsola-Malpighi, PAD 25, Via Massarenti 9 Bologna</td>
<td>10 a.m.</td>
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Assessment criteria

Total score: 100/100
1. Evaluation of qualifications and research project
   - minimum score required for the admission to the oral exam: 30
   - maximum score: 50
   Score is assigned as follows:
   - evaluation of the final grade (in the case of candidates who have a degree / master’s degree or Master’s course or graduation old system) or evaluation of marks obtained in the course of university studies (in the case of candidates not owing the degree, but will get it by December 2013): maximum score 10
   - research project: maximum score 30
   The results of the evaluation of qualifications and research project will be posted on the bulletin board of the Department and on the site http://studenti.unibo.it, restricted access by University credentials (by selecting: sintesi delle richieste in corso → vedi dettaglio → risultati prova).

2. Oral examination
   - minimum score required in order to be listed in the final ranking: 30
   - maximum score: 50
   The oral examination will be held in English and will focus on the explanation and discussion of the applicant’s research project.
   The oral examination will assess the candidate’s aptitude for scientific research, as well as her/his general knowledge about the following topics: Cardiology; Thoracic Surgery; Dialysis; Nephrology; Neurology; Sleep medicine; Diseases of the Esophagus; Circadian Rhythms; Vegetative Nervous System; Kidney Transplantation; Pneumology; Heart failure and Congenital Heart Diseases; Lung Transplantation.
   The results of the oral examination will be posted on the bulletin board of the Department and on the site http://studenti.unibo.it (by selecting: sintesi delle richieste in corso → vedi dettaglio → risultati prova2).

Language requirements
The oral examination will be held in English.
For foreign applicants, the knowledge of Italian is not required.

Positions and scholarships

Total number of positions: 12, of which:
- 5 positions with scholarship granted by University of Bologna (one scholarship is made available with funds partly provided by the Department of Biomedical and Neuromotor Sciences and by the Department of Experimental, Diagnostic and Specialty Medicine)
- 1 position with scholarship “Fondo Giovani 2012” granted by MIUR, committed to the Scope of Investigation 3 “Novel applications of biomedical industry”
- 6 positions without scholarship