

**Appendix A – II**

**Course in: LOGISTICS AND TRANSPORT.....2**  
**Course in: PAEDIATRIC SCIENCES.....3**

**Course in: LOGISTICS AND TRANSPORT (CODE 6658)**

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| <b>Coordinator:</b> Ferrari Claudio  |  |
| Italian Excellency Centre of Integrated Logistics (Centro Italiano di Eccellenza sulla Logistica Integrata – CIELI)                                    |  |
| <b>Places:</b> 5 – <b>Grants:</b> 4 (*)  |  |
| (*) 2 grants from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 13.638,47 |  |
| (*) 2 grants from CIELI funds, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 13.638,47    |  |
| <b>Comparative assessment procedure</b>  | QUALIFICATIONS/PUBLICATIONS AND EXAM   |
| <b>Written test</b>  | 4/7/2017 – 9:30 am at the Italian Excellency Centre of Integrated Logistics (Centro Italiano di Eccellenza sulla Logistica Integrata – CIELI), 2 <sup>nd</sup> floor, via Vivaldi 5, Genova.   |
| <b>Interview</b>   | 5/7/2017 – 10.00 am at the Italian Excellency Centre of Integrated Logistics (Centro Italiano di Eccellenza sulla Logistica Integrata – CIELI), 2 <sup>nd</sup> floor, via Vivaldi 5, Genova.  |
| <b>Further information on how to present qualifications/publications</b>   | Candidates can attach any scientific publications coherent with the research themes of the Doctoral Course.  |
| <b>Exam Syllabus</b>   | The written test aims at verifying knowledge of the transport sector and of its relative scientific literature, the capacity to structure research work with an interdisciplinary approach and the capacity to carry out critical reasoning as well as the capacity to use appropriate investigative tools. The interview will mainly consist in the discussion of the written test.<br>During the oral test candidates will be requested to show their knowledge of English.  |
| <b>Research themes</b>   | The research themes of the Doctoral Course concern the transport sector and goods and passenger logistics from a technical, economic and legal perspective.  |
| <b>Information on references</b>   | Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the following email address: <a href="mailto:ferrari@economia.unige.it">ferrari@economia.unige.it</a> .<br><br>The name, status and service place of the referees chosen by the candidates must be stated in their applications. |
| <b>Foreign languages</b>   | English  |
| <b>Further information</b>   | Prof. Claudio Ferrari<br><a href="mailto:ferrari@economia.unige.it">ferrari@economia.unige.it</a>  |

**Course in: PAEDIATRIC SCIENCES**

In agreement with IRCCS Giannina Gaslini Institute

**Curriculum: ENDOCRINOLOGY AND DIABETOLOGY (CODE 6575)**

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|---|---|
| <b>Coordinator:</b> Minetti Carlo   |   |
| Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili - DINOEMI) |   |
| <b>Places:</b> 1 – <b>Grants:</b> 1 (*).  |   |
| (*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 13.638,47   |   |
| <b>Comparative assessment procedure</b>   | QUALIFICATIONS/PUBLICATIONS AND INTERVIEW   |
| <b>Interview</b>  | 4/7/2017 – 2 pm at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOEMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione 16), first floor, via G. Gaslini 5, Genova.  |
| <b>Exam Syllabus</b>  | Contents of the interview:<br>- previous research experience, including research carried out for the degree dissertation;<br>- ideas for projects;<br>- knowledge of basic methodologies for clinical and laboratory research;<br>- knowledge of English.   |
| <b>Research themes</b>  | In depth study of new methods to diagnose and treat endocrine and metabolic pathologies in children and adolescents, with special attention to diseases of the hypothalamus and hypophysis which concern the network of the complex endocrine metabolic system, to the pathologies of the median line associated to endocrine pathologies and to the various organ diseases, including diabetes mellitus.   |
| <b>Information on references</b>  | Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof. Carlo Minetti <a href="mailto:minettic@unige.it">minettic@unige.it</a> and copy to: <a href="mailto:rosanna.rizzo@unige.it">rosanna.rizzo@unige.it</a> . The name, status and service place of the referees chosen by the candidates must be stated in their applications. |
| <b>Foreign languages</b>  | English   |

**Course in: PAEDIATRIC SCIENCES**

In agreement with IRCCS Giannina Gaslini Institute

**Curriculum: GENETICS (CODE 6571)**

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| <b>Coordinator:</b> Minetti Carlo   |  |
| Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili - DINOGMI) |  |
| <b>Places:</b> 1 – <b>Grants:</b> 1 (*)   |  |
| (*) 1 grant funded by SANOFI S.p.a., the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 13.638,47.  |  |
| <b>Comparative assessment procedure</b>   | QUALIFICATIONS/PUBLICATIONS AND INTERVIEW  |
| <b>Interview</b>  | 4/7/2017 – 2 pm at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOGMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione 16), first floor, via G. Gaslini 5, Genova.   |
| <b>Exam Syllabus</b>  | Contents of the interview:<br><ul style="list-style-type: none"> <li>- previous research experience, including research carried out for the degree dissertation;</li> <li>- ideas for projects;</li> <li>- knowledge of basic methodologies for clinical and laboratory research;</li> <li>- knowledge of English.</li> </ul>  |
| <b>Research themes</b>  | <ul style="list-style-type: none"> <li>- New knowledge concerning the human genome, including investigations with new technologies;</li> <li>- Identification of disease genes, their mutations, their consequences in the disease mechanism at a molecular and cellular level and correlations with the clinical phenotype;</li> <li>- Singling out of specific aspects of the pathogenic mechanisms that can become the targets for therapeutic approaches;</li> <li>- Gene structure and control of gene expression.</li> </ul>   |
| <b>Information on references</b>  | Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof. Carlo Minetti <a href="mailto:minettic@unige.it">minettic@unige.it</a> and copy to: <a href="mailto:rosanna.rizzo@unige.it">rosanna.rizzo@unige.it</a> .<br>The name, status and service place of the referees chosen by the candidates must be stated in their applications. |
| <b>Foreign languages</b>  | English  |

**Course in: PAEDIATRIC SCIENCES**

In agreement with IRCCS Giannina Gaslini Institute

**Curriculum: MUSCULAR, NEURODEGENERATIVE AND METABOLIC DISEASES IN CHILDREN AND ADOLESCENTS (CODE 6573)**

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| <b>Coordinator:</b> Minetti Carlo   |  |
| Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili - DINOEMI) |  |
| <b>Places:</b> 2 – <b>Grants:</b> 1 (*).  |  |
| (*) 1 grant from MIUR/DINOEMI funds, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 13.638,47   |  |
| <b>Comparative assessment procedure</b>   | QUALIFICATIONS/PUBLICATIONS AND INTERVIEW  |
| <b>Interview</b>  | 4/7/2017 – 2 pm at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOEMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione 16), first floor, via G. Gaslini 5, Genova.   |
| <b>Exam Syllabus</b>  | Contents of the interview:<br>- previous research experience, including research carried out for the degree dissertation;<br>- ideas for projects;<br>- knowledge of basic methodologies for clinical and laboratory research;<br>- knowledge of English.  |
| <b>Research themes</b>  | In depth study of new methods to prevent, diagnose and treat neuropediatric pathologies in children and adolescents, with special attention to neuromuscular diseases, neurodegenerative, neuro-metabolic and in general gene-metabolic pathologies, to epilepsies of genetic origin in childhood which may involve neurosurgery, to the defects of the neural tube and of cortical migration and to neurofibromatosis.<br>Molecular and environmental factors of the development of the nervous system will be studied, as well as the etiological and pathogenetic aspects of congenital hypotonia, primitive myopathies, spinal muscular atrophies, mitochondrial encephalopathies, leukoencephalopathies, epileptic encephalopathies and metabolic encephalopathies. |
| <b>Information on references</b>  | Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof. Carlo Minetti <a href="mailto:minettic@unige.it">minettic@unige.it</a> and copy to: <a href="mailto:rosanna.rizzo@unige.it">rosanna.rizzo@unige.it</a> .<br>The name, status and service place of the referees chosen by the candidates must be stated in their applications.   |
| <b>Foreign languages</b>  | English  |

**Course in: PAEDIATRIC SCIENCES**

In agreement with IRCCS Giannina Gaslini Institute

**Curriculum: FOETAL-PERINATAL AND PAEDIATRIC PATHOLOGY (CODE 6572)**

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| <b>Coordinator:</b> Minetti Carlo   |  |
| Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili - DINOGMI) |  |
| <b>Places:</b> 1 – <b>Grants:</b> 1   |  |
| (*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 13.638,47.  |  |
| <b>Comparative assessment procedure</b>   | QUALIFICATIONS/PUBLICATIONS AND INTERVIEW  |
| <b>Interview</b>  | 4/7/2017 – 2 pm at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOGMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione 16), first floor, via G. Gaslini 5, Genova.   |
| <b>Exam Syllabus</b>  | Contents of the interview:<br>- previous research experience, including research carried out for the degree dissertation;<br>- ideas for projects;<br>- knowledge of basic methodologies for clinical and laboratory research;<br>- knowledge of English.  |
| <b>Research themes</b>  | - Isolated malformation pathology or inserted in syndromic pictures;<br>- pathology of foetal development and maturation of the foetus and of the consequent adaptive capacities at the moment of birth;<br>- placental pathology linked to preterm deliveries and to serious premature births;<br>- foetal, neonatal and paediatric cardiovascular pathology;<br>- neonatal neurological damage;<br>- dysplastic and teratomatous pathology;<br>- neoplastic pathology.   |
| <b>Information on references</b>  | Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof. Carlo Minetti <a href="mailto:minetic@unige.it">minetic@unige.it</a> and copy to: <a href="mailto:rosanna.rizzo@unige.it">rosanna.rizzo@unige.it</a> .<br>The name, status and service place of the referees chosen by the candidates must be stated in their applications. |
| <b>Foreign languages</b>  | English  |

**Course in: PAEDIATRIC SCIENCES**

In agreement with IRCCS Giannina Gaslini Institute

**Curriculum: PAEDIATRIC RHEUMATOLOGY (CODE 6574)**

|   |   |
|---|---|
| <b>Coordinator:</b> Minetti Carlo   |   |
| Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili - DINOEMI) |   |
| <b>Places:</b> 1 – <b>Grants:</b> 1(*).   |   |
| (*) 1 grant from the University, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 13.638,47.  |   |
| <b>Comparative assessment procedure</b>   | QUALIFICATIONS/PUBLICATIONS AND INTERVIEW   |
| <b>Interview</b>  | 4/7/2017 – 2 pm at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOEMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione 16), first floor, via G. Gaslini 5, Genova.  |
| <b>Exam Syllabus</b>  | Contents of the interview:<br>- previous research experience, including research carried out for the degree dissertation;<br>- ideas for projects;<br>- knowledge of basic methodologies for clinical and laboratory research;<br>- knowledge of English.   |
| <b>Research themes</b>  | In depth study of new methods for the diagnosis and treatment of paediatric rheumatic diseases, with special attention concerning Juvenile Idiopathic Arthritis and other diseases of autoimmune origin and autoinflammatory syndromes.   |
| <b>Information on references</b>  | Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof. Carlo Minetti <a href="mailto:minettic@unige.it">minettic@unige.it</a> and copy to: <a href="mailto:rosanna.rizzo@unige.it">rosanna.rizzo@unige.it</a> . The name, status and service place of the referees chosen by the candidates must be stated in their applications. |
| <b>Foreign languages</b>  | English   |

**Course in: PAEDIATRIC SCIENCES**

In agreement with IRCCS Giannina Gaslini Institute

**Curriculum: PAEDIATRIC SPECIALITIES (CODE 6675)**

|   |   |
|---|---|
| <b>Coordinator:</b> Minetti Carlo   |   |
| Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili - DINOGMI) |   |
| <b>Places:</b> 4 – <b>Grants:</b> 3(*).   |   |
| (*) 3 grants from the Giannina Gaslini Institute, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 13.638,47.   |   |
| <b>Comparative assessment procedure</b>   | QUALIFICATIONS/PUBLICATIONS AND INTERVIEW   |
| <b>Interview</b>  | 4/7/2017 – 2 pm at the Department of Neurosciences, rehabilitation, ophthalmology, genetics and mother and child sciences (Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili – DINOGMI), Museum Room (Sala Museo), Istituto G. Gaslini, Wing 16 (Padiglione 16), first floor, via G. Gaslini 5, Genova.  |
| <b>Exam Syllabus</b>  | Contents of the interview:<br>- previous research experience, including research carried out for the degree dissertation;<br>- ideas for projects;<br>- knowledge of basic methodologies for clinical and laboratory research;<br>- knowledge of English.   |
| <b>Research themes</b>  | In depth study of new methods for the diagnosis and treatment of paediatric pathologies relevant to medical or surgical practices, with special attention to the specialities present in the G. Gaslini Institute.  |
| <b>Information on references</b>  | Candidates must choose not less than one and not more than three referees to support their candidature. These referees must be university professors or experts in the subject and it will be their concern to send reference letters, within the deadline of the public notice, to the Coordinator of the Doctoral Course Prof. Carlo Minetti <a href="mailto:minettic@unige.it">minettic@unige.it</a> and copy to: <a href="mailto:rosanna.rizzo@unige.it">rosanna.rizzo@unige.it</a> . The name, status and service place of the referees chosen by the candidates must be stated in their applications. |
| <b>Foreign languages</b>  | English   |