**Notice of Open Competition for Admission to PhD Program**

**Related to the 32th Cycle - Academic Year 2016/2017**

The PhD Programs listed below are activated, for the academic year 2016/2017, in the context of the 32th Cycle, with administrative offices at the University of Teramo. A public exam on qualifications and tests is called for admission to said PhD Programs.

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| PhD in **"History of Europe from the Middle Ages to Contemporary"** | | | |
| Topics of the program | | | The PhD in the History of Europe from the Middle Ages to contemporary art aims to promote the study of European history, taking into account national specificities and common processes, which contribute to so varied and complex landscape of European societies today. Particular attention will be devoted to the political, religious, cultural, economic and social factors that have marked the continent from the Middle Ages to the contemporary age, as well as the study and deepening of the critical issues and problems as much of their historical tradition (structures and institutions , behavior, mentality, religion, culture, etc.) as of the most recent trends (of world history, the history of gender, history, trans-national and cultural experiences). In addition, attention will be devoted to the regional dimensions of European history, both in terms of the relationship between macro-areas (such as between Mediterranean Europe and Balkan Europe, between Mediterranean Europe and Central Europe), both in terms of comparison between individual regional areas to 'internal different contexts.    The aim of the PhD is to train researchers capable of moving in a European and international horizon. To this end, we intend to provide doctoral students a high level of scientific training, and opportunities for exchange and contact with teachers, universities and research centers worldwide.  Possession of a master's degree or a foreign qualification with suitable thesis in a historical discipline or historical argument |
| Admission requirement | | | Possesso di laurea magistrale o titolo straniero idoneo con tesi di laurea in una disciplina storica o di argomento storico |
| Number of positions  availlable | | | 5 con borsa |
| Scientific subject areas | | | M-STO/01; M-STO/02; M-STO/04; M-STO/07; SECS-P/04 |
| Course coordinator | | | Prof. Francesco Benigno |
|  | | | |
| PhD in **"Cellular and Molecular Biotechnologies"** | | | |
| Topics of the program | | Provide a thorough and updated knowledge of the molecular and functional properties of cells and transfer the latest technology for use in the biomedical field the same and their products. Cellular models are treated as a priority:    1.gameti and embryos of mammals;    2.cellule fetal stem cells, adult and cancer;    3 cellular models of disease (neuro)-inflammatory, neurodegenerative and cancer.    The in-depth knowledge of molecular systems and control mechanisms of cellular function is guaranteed during the teaching and thanks to intensive basic research carried out at the laboratories available to the doctorate. The teaching and research will be aimed at developing innovative strategies for the use of molecules, cells and macromolecular systems in the biomedical field in the following contexts:  1 nutriaceutics development of food;    2. models in vitro and in vivo monitoring of the effects of nutraceuticals and nutrigenomici of foods, nutrients, trace elements and xenobiotics;    3. Development of biopharmaceuticals;    4.identificazione of innovative therapies "cell-free and cell-based";  5.messa of models for the evaluation of the bioavailability of materials of natural origin and synthesis;    6 definition of predictive models and computational systems biology;    7 Structural and computational analysis aimed at "drug design." | |
| Admission requirement | | Tutte le lauree magistrali, specialistiche o vecchio ordinamento | |
| Number of positions  covered by scholarship | | 14 di cui 12 con borsa | |
| Course coordinator | | BIO/06; BIO/10; BIO/11; BIO/13; BIO/14; CHIM/09; FIS/07; MED/13; VET/01; VET/02; VET/03; VET/09; SECS-P/07 | |
| Contacts | | Prof. Mauro Mattioli | |
| PhD in **"Processes law harmonization between history and system"** | | | | |
| Topics of the program | | The recent phenomenon of the globalization of law now makes it necessary to push the boundaries of national regulatory institutions, in order to integrate and harmonize the content and objectives at international and European level. In some areas the processes of integration and harmonization are already at an advanced stage, in others they are not fully consolidated in one stage, while in others the defense of state sovereignty is strong. All of these bring the interest of the lawyer in a multidisciplinary perspective on everything. The aim of the course is to train scholars capable of dealing with problems related to the origin and configuration of individual legal institutions from the perspective of harmonization of law, which are able to move between the different legal experiences in time and space. In doing so it seeks to respond better to the needs of the professional world, academia and public and private agencies that increasingly require the ability to manage the integration of open solutions legal systems. The transversality of the issue relies on the wealth of expertise that provides the faculty, which allows you to arrange your course in 4 curricula. | | |
| Admission requirement | | Tutte le lauree magistrali, specialistiche o vecchio ordinamento | | |
| Number of positions  availlable | | 6 di cui 5 con borsa | | |
| Scientific subject areas | | IUS/01; IUS/02; IUS/04; IUS/06; IUS/07; IUS/08; IUS/09; IUS/10; IUS/11; IUS/12; IUS/13; IUS/14; IUS/16; IUS/17; IUS/18; IUS/19; IUS/20; IUS/21; | | |
| Course coordinator | | Prof.ssa Alessandra Gianelli | | |
| PhD in **"Food Science"** | | | | |
| Topics of the program | | The objectives of the ERC doctorate fall within the area of Life Sciences, and specifically in the field LS9 Applied life sciences and non-medical biotechnology, with particular reference to the LS9\_6 Food Sciences. The doctorate will be directed to the training of experts with in-depth knowledge of the quantitative and qualitative aspects of food production, obtained either under conventional and organic. As indicated in the EC document "Horizon 2020 - The Framework Programme for Research and Innovation (2014-2020) ', will be given particular emphasis to lines of research that fall within the priority" Industrial leadership "and" Societal challenges ". We propose, therefore, to get professionals to be able to plan and manage production processes through a rationalization of traditional technologies and / or through product innovations and process, to influence and to assess the quality (that varies with its multiple components) , the safety and wholesomeness of food, to make available all the skills for the characterization, development and traceability of food and traditional dishes. The internationalization, the close connection between the purpose and research centers and industry, are elements which render the training of Ph.D. in line with the concomitant process of repositioning the food industry in international markets. | | |
| Admission requirement | | Possesso di una delle seguenti lauree: LM-6, LM-7, LM-8, LM-9, LM-22, LM-42, LM-54, LM-56, LM-60, LM-61, LM-69, LM-70, LM-71, LM-73, LM-75, 6/S, 7/S, 8/S, 9/S, 27/S, 62/S, 77/S, 78/S, 79/S, 81/S, 92/S | | |
| Number of positions  availlable | | 9 di cui 6 con borsa | | |
| Scientific subject areas | | AGR/01; AGR/02; AGR/15; AGR/16; AGR/19; AGR/20; VET/03; VET/04; VET/07; CHIM/01; CHIM/06; ING-IND/25 | | |
| Course coordinator | | Prof. Dario Compagnone | | |
| PhD in **"Veterinary Medical Sciences, Public Health  and animal welfare "** | | | | |
| Topics of the program | | The purpose is to provide doctoral students the tools they need to apply the latest methods and scientific principles to the learning of skills, methods of research and study in the various fields of Veterinary Medical Sciences. In agreement with the European objectives is to "Horizon 2020", which of OneHealth and in particular in the document relating to Innovative Medicines Initiative (IMI) 2, the graduate students will acquire knowledge and understanding and practice, independent judgment, communication skills within the different branches of medical sciences veterinary, animal welfare and public health including food-borne zoonoses. In addition, the course aims to promote educational programs and research projects that coagulate common interests in different aspects of veterinary clinical sciences, including the study of the genetic basis of human cancers and animals and the issues relating to the protection of animal welfare, the ethics of breeding, conservation of animal biodiversity in the EU and the harmonization of legal rules. | | |
| Admission requirement | | Possesso di una delle seguenti lauree: LM-6, LM-42, LM-54, LM-70, 6/S, 47/S, 62/S, 78/S | | |
| Number of positions  availlable | | 10 di cui 7 con borsa | | |
| Scientific subject areas | | VET/01; VET/02; VET/03; VET/04; VET/05; VET/06; VET/08; VET/09; VET/10; AGR/19; BIO/10 | | |
| Course coordinator | | Prof. Fulvio Marsilio | | |

For participation in the tender may be submitted, regardless of age and nationality, by those who, on the date of expiry of the notice, are in possession of master's degree or a foreign qualification or suitable for those who obtain the license applied for 'admission by October 31, 2016, under penalty of forfeiture of admission in case of a positive outcome of the selection.

The equivalence of foreign qualifications is determined by the Academic Board of the doctorate based on the documentation submitted by the applicant together with the application for admission to the competition (\*).   
For lack of requirements can be arranged at any time, exclusion from the procedure with a note of the charge of the proceedings; the possible admission you will therefore be considered in every case made ​​with reserve.

*PhD in* ***"Cellular and Molecular Biotechnologies"***

1. **Project 1 UNIVAQ**: Oxidative stress and human spermatozoa

Objective

To add further knowledge on the origin, pathophysiologic and clinical significance of oxidative stress in human spermatozoa

Tutor

Prof. Felice Francavilla

Objectives and methods

To evaluate the occurrence of oxidative stress, mitochondrial dysfunction as source of endogenous ROS and their role in affecting human sperm integrity in several clinical conditions, including symptomatic and asymptomatic leukocytospermia, ejaculates obtained by penile vibratory stimulation from spinal cord-injured (SCI) men, semen cryopreservation, asthenozoospermia etc. Mitochondrial dysfunction as source of endogenous ROS and its consequences on human sperm integrity will be also evaluated by “in vitro” exposure of human spermatozoa to potential inducers of mitochondrial dysfunction, as well as the protective effects of anti-oxidants.

Flow-cytometry will be used to evaluate mitochondrial membrane potential, mitochondrial ROS production, membrane lipoperoxidation, caspase activation, Tunel assay, DNA oxidative damage, phenotyping of leukocytes sub-populations.

1. **Project 2 UNIVAQ**: Dissecting the role of phosphodiesterase isoforms in liver physiology and pathology

Objectives

To characterize the different isoforms of liver phosphodiesterases and assess their roles in liver physiology and pathology by in vitro and in vivo approaches

Tutor: Mara Massimi; Academic institution: University of L’Aquila, Department of Health, Life and Environmental Sciences, Cell Biology Laboratory. Supervisor: Annamaria Cimini

Objectives, methods and topic interactions: 1) To characterize the different isoforms of phosphodiesterases (PDEs) expressed in normal liver and hepatopathies, in human and experimental animal models. The pattern of hepatic PDEs will be characterized in liver tissue using imaging and biochemistry approaches. 2) To investigate the role of liver-specific PDE in hepatocellular carcinoma (HCC). Different HCC cell lines and xenograft models of HCC will be used to investigate the effect of depletion of specific PDE isoforms on the tumorigenic phenotype. This will be achieved by drug inhibition or by stable silencing with short hairpin RNAs. 3) To evaluate downstream genes/pathways regulated by liver-specific PDEs in HCC. 4) To evaluate the potential molecular effects of phosphodiesterase depletion in HCC using an Open Array PCR Real Time approach.

1. **Project 3 UNIVAQ**: Structural and functional characterization of thiol-dependent drug-targets involved in parasitic and human diseases

Internal tutors: Francesco Angelucci and Rodolfo Ippoliti

External tutors: Prof. David Williams (Rush university medical center, Chicago, USA), Prof. Elias Arner (Karolinska institute, Stockholm, Sweden) and Prof. Imre Berger (EMBL, Grenoble, France).

Obiettivo: The goal of this project is to solve the 3D structures of potential thiol-dependent drug-targets involved in schistosomiasis, malaria and diabetes and to characterize their interaction with substrates and inhibitors in order to find pre-clinical candidates.

Metodologie: The candidate will be involved in all the aspects of the proposed research from protein expression and purification to structural and functional characterization. He/She will be involved in the expression of proteins in heterologous systems such as bacteria, yeasts and insect cells. He/she will be in touch with innovative expression procedures such as those involved in the insertion of selenocysteine in a polipeptide chain. He/She will be trained in X-ray crystallography and in particular: synchrotron data collection, data reduction, phasing, structure refinement and model building.

1. **Project 1 IZSAM**: Identification and characterization of membrane proteins of different pathogen microorganisms by proteomics and epigenomics approach.

Objectives

To identify the proteins present in the cellular membrane of microorganisms to evaluate the existing virulence differences among strains of same genus of bacteria (i.e. smooth Brucellae compared to rough Brucellae). To evaluate the differences in expression of proteins caused by genome/epigenome modification.

Internal tutor: Cesare Cammà. Non academic institution: Istituto Zooprofilattico Sperimentale dell’Abruzzo e Molise “G. Caporale” (IZSAM), OIE Reference Laboratory for Brucellosis. Tutor: Manuela Tittarelli. Supervisor: Mauro Mattioli.

Objectives, methods and topic interactions: 1) To develop different protocols for membrane protein extraction; 2) To identify the membrane proteins by proteomic techniques; 3) To identify gene modification by epigenomic approach.

1. **Project 2 IZSAM**: Development of bovine respiratory explants as a tool to investigate the pathogenesis of Contagious Bovine Pleuropneumonia

Objectives

To add further knowledge about the early pathogenesis of Contagious Bovine Pleuropneumonia, by suitable in vitro assays

Internal tutor: Giuseppe Marruchella; Non academic institution: Istituto Zooprofilattico Sperimentale dell’Abruzzo e Molise “G. Caporale” (IZSAM), OIE Reference Laboratory for Contagious Bovine Pleuropneumonia, Central Veterinary Research Laboratory, Lusaka-Zambia (CVRI): Tutor: Massimo Scacchia, Supervisor: Mauro Mattioli.

Objectives, methods and topic interactions: 1) To develop explants from the upper and lower respiratory tracts of slaughtered cattle, uniform for age, breed and health status; 2) To understand the in vitro tropism of Mycoplasma mycoides subsp. mycoides (Mmm) for the different cell types residing within the bovine airways (respiratory explants) by immunohistochemistry, immunofluorescence and confocal laser scanning microscopy; 3) To identify the ligand/receptor mechanisms playing a role in the Mmm colonization of the respiratory tract, by immunological methods; 4) To compare the kinetic of infection among Mmm strains, available at IZSAM and CVRI showing different virulence; 5) To understand the molecular basis of cell damage and inflammatory response by transcriptomic (RT-PCR) and proteomic approaches (2D-electophoresis).

1. **Project 3 IZSAM**: Epithelial to mesenchymal transition in tissue regeneration

Objective

To add further knowledge regarding the regenerative properties mediated by epithelial vs epithelial-mesenchimal transited stem cells

Internal tutor: Barbara Barboni: Non academic institution: Istituto Zooprofilattico Sperimentale dell’Abruzzo e Molise “G. Caporale” (IZSAM): Tutor: Mauro Mattioli.

To develop in vitro models to compare the functional properties (stemness, plasticity, immunomodulatory, pro-inflammatory, pro-fibrotic activities) of native amniotic epithelial cells vs amniotic epithelial-mesenchymal transited cells

To compare on in vivo models the regenerative properties of both source of cells

To study the in vivo dialogue between both source of cells and the host cell/tissues involved in the regenerative mechanisms

To understand the molecular basis of tissues repairing and host inflammatory response induced by stem cell transplantation.

1. **Project 1 UNITE**: Molecular insights into the Crossroads between EMT and stemness of amniotic epitelial cells model.

Main objective

To add further knowledge about the molecular pathways involved in in vitro epithelial mesenchymal transition (EMT) in amplified amniotic epithelial cells

Internal tutor: Barbara Barboni and Cinzia Rapino: Non academic institution: Istituto Zooprofilattico Sperimentale dell’Abruzzo e Molise “G. Caporale” (IZSAM), Tutor: Cesare Cammà Supervisor: Mauro Mattioli.

Research steps: 1) To define the signal transduction pathways involved in vitro in amniotic epithelial cells EMT. 2) To identify the functional roles of multi-signaling pathway crosstalk in EMT. 3) To generate in vitro stable conditions to stimulate or prevent EMT. 4) To understand the stemness effects of EMT. 5) To clarify the effect of oncolytic viruses on epithelial vs mesenchymal transited cells 6) To compare the biological in vitro attitude of epithelial vs mesenchymal transited cells.

1. **Project 2 UNITE**: Rep-eat communication and dissemination activities in a Marie Sklodowska Curie (MSC) project.

Objective

H2020 Marie Skłodowska Curie funded projects can have a wider impact, in particular through better communication and dissemination of results using a wider range of means than publications and web-sites. Successful communication requires a clear language and attractive scientific subject with outstanding results that can catch the media's attention.

Evaluation and monitoring of communication and dissemination activities is also instrumental in ensuring that the Marie Skłodowska Curie project will achieve its objectives, and deliver maximal impacts with an efficient use of resources.

The objective of this doctoral project is the development of a communication and dissemination strategic plan of a H2020 Marie Skłodowska Curie project.

Tutor: Prof. Barbara Barboni; Co-tutor: Prof. Christian Corsi

Objectives and methods

Plan the promotion of a Marie Skłodowska Curie project and its results, targeting the information to the public, media, and other audiences, in a strategic and effective way.

Define clear objectives and provide a description and a timeline for each communication activity under the project.

Plan the dissemination activities of the project results, including their disclosure to the public, by appropriate means.

Evaluation and monitoring of communication and dissemination activities of the project during its life cycle.

I candidati interessati alle borse di studio dovranno presentare, unitamente alla domanda, uno specifico progetto di ricerca su uno di essi. La Commissione formerà graduatorie di merito separate per ciascun progetto. In caso di mancanza di idonei su una o più graduatorie ovvero di esaurimento degli idonei verrà dichiarato vincitore il candidato idoneo presente in altre graduatorie con il maggior punteggio, in caso di parità di punteggio verrà data priorità al candidato più giovane di età.

I due dottorandi ammessi al corso di dottorato senza borsa di studio saranno i due idonei che avranno conseguito il punteggio più alto senza essere beneficiario di borsa di studio.

PHD in **"Food Science"**

1. **Project 1 UNITE** - Title: Use of Hemp extracts as source of natural bioactive compounds (NBCs) for applications in controlling spoilage by food-borne pathogens and phytopathogenic microorganisms.

Tutor: Prof. Claudio Lo Sterzo.

Summary:

The plant species cultivated in Abruzzo territory are many and varied and they can represent a valuable source of natural bioactive compounds (NBCs), that have an effect on a living organism, tissue or cell.

NBCs can be obtained with different extraction techniques, the most commonly used are: hydrodistillation and steam distillation for the production of essential oils (EOs) and solid-liquid extractions, like maceration or the innovative Rapid Solid Liquid Dynamic Extraction – RSLDE, for the production of alcoholic, hydro-alcoholic and aqueous plant extracts.

Among the multitude of species cultivated in Abruzzo territory, the hemp (Cannabis sativa L. subsp. sativa) have demonstrated to be used for a wide range of applications and in different fields.

In this plant have been identified more than 700 NBCs, principally: cannabinoids, mainly Cannabidiol (CBD), and secondary metabolites, such as terpenoids, non-cannabinoid phenols, nitrogenous compounds and other common plant compounds.

Objectives:

* 1. Idendification of Terpenoids and phenols, in EOs, with antioxidant and antimicrobial properties, and their use for food preservation as a valuable alternative to synthetic preservatives against food spoilage.
  2. Idendification of CBD therapeutically useful in the treatment of some diseases. In this respect different pre-clinical research (cell culture and animal models) have displayed: antiproliferative action on cancer cells; neuroprotective and anti-inflammatory properties; anti-seizure, analgesic, anti-psychotic and anti-anxiety effects; efficacy for treating substance use disorders.
  3. Development of new antimicrobial polymer composites to be used where contamination by microorganisms is of concern.

1. **Project 2 UNITE** - Title: Development of rapid diagnostic tools for food quality and safety control.

Tutor: Prof. Dario Compagnone

Objectives:

1. To develop visual assessment and electrochemical assays based on nanomaterials for the detection of selected nucleic acids sequences
2. To couple the assay amplified PCR products for the detection of bacteria, viruses or toxicants along the food chain.
3. To use aptameric structures tailored for small molecules to detect quantitatively and qualitatively gaseous compound and marker analytes in the food chain
4. To couple the developed assays with the aptameric structures developed.

The exam is designed to ensure by appropriate benchmarking, preparation of base acquired, and the candidate's aptitude for scientific research.   
Admission to the PhD is based on qualifications and examination and is divided into two phases.   
In the first phase the Academic Board, meeting in plenary form or restricted, shall make an assessment qualifications by giving each candidate a maximum score of 20 points.

At the second stage (oral) are allowed for candidates who have achieved a minimum score of 12 points on the list will be published after the assessment of the securities, on the website of the university.   
The oral test will consist of an interview of the candidate before the Academic Board, meeting in plenary or restricted form, designed to test the knowledge on the topics of doctoral and content of the proposed research project. During the interview it is always verified knowledge of the English language. The interview may be conducted entirely in English if requested by the applicant. The interview may be conducted via computer if required in the process of submission of the application by the candidate or by the candidate residing abroad differently abled. The maximum score for each candidate for the oral exam is 40 points. At the end of the interview with the Academic Board will proceed to identify suitable to be placed in the general classification, expressed in sixtieths, based on the sum of the scores obtained by the candidates in the valuation of securities and in the interview.   
The diary of the oral test, indicating the date, time and venue in which it takes place, will be published on the website of the university, at least 10 days before taking the test. For the interview, candidates must bring valid photo ID.

**The application form (form attached " A" ) must be received by the deadline of 12.00 noon on Monday 8 August 2016 .**

**The application must be printed and sent duly signed , with all required documentation , by courier at the University Protocol Office from Monday through Friday from 9:00 a.m to 12:00 noon.**

**Will not be taken into consideration application forms arriving later than 12:00 noon of the day indicated.**

In the application form the applicant shall declare, under their own responsibility:   
1 the name and surname;   
2 the date and place of birth;   
3. the tax code;   
4. the residence, with the indication of the street, the street number, city, province, zip code;   
5. citizenship;   
6. the degree possessed or to be obtained, the university from which it was obtained or by which he will be achieved, and the date of attainment, or the qualification obtained abroad and recognized as equivalent by the competent authorities to accordance with applicable law;   
7 have an adequate knowledge of the Italian language (such declaration shall be made only by foreign nationals) ;   
8 I will attend full-time PhD program in accordance with the regulations laid down by the Academic Board;   
9. the language from English or Italian with which the oral exam;   
10 the mode of conducting the interview in presence or remotely with an indication of the Skype contact;   
11. the email address where you want to be sent any communication related to this procedure, as well as the telephone number and email address and a commitment to notify any subsequent changes.   
Applicants must also be submitted as attachments. The absence of even one of these attachments, will be excluded from selection:   
  
- Identification document: a copy of the identity card (for EU citizens) or passport, bearing the pages with the photograph, biographical data, the number, date and place of issue, expiration date and stamp of the competent authority . Any other proof of identity will not be taken into account;   
- Copy of the card showing the tax code;   
- A full copy of the thesis;   
- Summary (in English) of the thesis giving reasons for the thesis, the research methodology and results obtained (maximum 4 pages);   
- Scientific curriculum vitae preferably on Europass: <http://europass.cedefop.europa.eu/europass/home/vernav/Europasss+Documents/Europass+CV.csp>;   
- Letter \ e of reference from professors or tutors scientific;   
- Research project drawn up by the candidate, consistent with the themes of the course;   
- Self-certification to attest to whether the income is higher or lower than EUR 15,000.00 per year for any use of the scholarship;   
  
  
Applicants may also submit other attachments (attachments optional):   
  
- Publications;   
- Other qualifications useful for the assessment (professional experiences, documentation, prizes, scholarships, training activities, research experiences, specializations, master etc..).

The official approval of the acts and relative rankings will be published on the University website.   
Candidates will be admitted to the course in the order list until the number of places available.   
The candidates admitted to the course shall, under penalty of forfeiture, submit to the Office research training in the application form, using the appropriate form available also electronically on the website of the university, duly completed and signed, within the period maximum of 10 days (ten), starting from the day following the publication of the final merit. In the case of placement in more than one classification, the candidate will have to opt for a single PhD program.   
Those who do not registration by the deadline, will be considered to have withdrawn.   
Those who have made false declarations will be declared forfeited.   
In case of cancellation or forfeiture, will replace the candidate who, in the ranking, will occupy the next position to that of the dismissive or decayed.   
The takeover will occur, also, in case someone were to give up within three months from the effective start of the course.

Students not been awarded a scholarship are required to pay a contribution to the enrollment and attendance in the amount of € 1,000.00 yearly, to be divided in two equal installments: the first installment is to be paid at registration 'act for the course and for subsequent years by December 31. The payment of the second installment, for each year of the course, must be made by April 30.   
You are required to pay the fee even those enrolled in research grant holders and employees of agencies or businesses enrolled in the industrial doctorates.   
All students enrolled in the course are required to pay € 140 per year, regional tax in favor of the Company for the Right to University Studies, together with the annual amount of revenue stamps. All payments must be made by MAV, generated in the section of the University website "PhD - XXXII cycle."

The financial support is given to the candidates according to the merit list of up to the number of forms of support provided.   
In case of forfeiture or waiver within three months of a candidate the next applicant in accordance with the ranking. If the withdrawing have monthly payments already received scholarships, is required to return them.   
The criteria for the allocation of different types of handbags, even with a specific theme and dedicated funding, are established by the Academic Board, in accordance with the requirements and attitudes of winners.   
The scholarships last one year and shall be renewed provided that the candidate has completed the program of activities for the previous year as well as verified by the Academic Board.   
The amount of the scholarship, to be paid in monthly installments is given in EUR 13.638,47 expenses charged to the candidate provided by law.   
The scholarship PhD is subject to the payment of social security contributions INPS separately managed in accordance with Article 2, paragraph 26, of the Law of 8 August 1995, n. 335, as amended, to the extent of two-thirds to one-third over the administration and the responsibility of the fellow. Students enjoy the protections and rights.   
This amount is increased to a maximum of 20 percent for a total period not exceeding 18 months if the student is authorized by the Academic Board to conduct research abroad.   
Starting from the second year each student is insured, within existing financial resources, a budget for the research activities in Italy and abroad.   
The recipient of the scholarship must have a personal gross annual income does not exceed € 15.000. Overcoming whether or not such income limit shall be declared by the beneficiary of a scholarship pursuant to Presidential Decree December 28, 2000, n. 445.   
The determination of such income, which is reported annually to award the scholarship, contribute patrimonial income derived from rents and interest fees as well as any other character with the applicant, with the exception of those with occasional or nature arising from military service.   
The principles referred to in this Article shall not apply to fellows of foreign states or beneficiaries of financial support under specific programs of mobility in relation to the provisions of specific regulations and does not apply to employees of institutions or companies enrolled in the Industrial PhD.   
The scholarship can not be combined with any other scholarships, except those conferred by national or foreign institutions designed to integrate with foreign travel, training or research of doctoral candidates; in this case the entitlement to the expected increase in the scholarships.   
Those who have already earned a title of PhD or equivalent title to it can be allowed to attend a different PhD program, subject to overcome the selection tests. Those who have already benefited, even partly, of a scholarship to attend a PhD program, it can not receive a second one.

(\*) Academic title awarded abroad: university degree obtained abroad must be comparable to the title of Master of Science in duration, level and subject area. In accordance with this principle, acting on their eligibility with the Academic Board. Applicants who have a foreign qualification that has not already been declared equivalent (1) to an Italian degree will make implicit request for equivalence in their application for admission, must attach the following documents: certified the degree with exams and the corresponding vote (EU citizens may submit a self-certification according to Presidential Decree no. 445 of 28.12.2000, as amended, English translation, if the document is not already in that language, the certificate the degree earned, with exams taken and grades obtained, signed under their own responsibility, in order to allow the teacher to assess their suitability, solely for purposes of participation in the contest; any other documentation deemed useful to assess the eligibility of the title held for participation in the competition (Diploma Supplement (2), or declaration of local value (3), etc..). Candidates holding a degree not achieved in Italy winners of the contest must submit to the Service PhDs by February 28, 2017: Declaration of Value-site together with the degree certificate with exams and grades, translated and authenticated by Italian diplomatic authorities in the country where the institution that issued it. The Value Statement must certify that the qualification obtained is valid in the country of graduation for enrollment in an academic course similar to the Ph.D.; or, if the Value Statement above is not yet ready for the date indicated, a document showing that the release request has been submitted to the diplomatic mission of competence; In this case, the student must then deliver the Declaration of Value in the original as soon as available; or, as an alternative to Value Statement, the Diploma Supplement in English, according to the model developed by the European Commission, the Council of Europe and UNESCO / CEPES. In the absence of such documents will not be achieved the title of Doctor of Philosophy.

(1) For more information visit the web page <http://www.cimea.it/default.aspx?IDC=113>.   
(2) With Diploma Supplement is a document attached to a diploma of higher education with the aim of improving the 'transparency' international and facilitate academic and professional recognition of the qualifications (diplomas, degrees, certificates, etc..). The Diploma Supplement should be issued by the same institution that issued the license. More details on the website: <http://ec.europa.eu/education/lifelong-learning-policy/doc1239_en.htm>.   
(3) The Value Statement is issued by the Italian diplomatic missions abroad (embassies / consulates) competent. For more information, visit <http://www.cimea.it/default.aspx?IDC=118>.