



CALL FOR PROPOSALS N. 2/PAC/2017

Cohesion Action Plan for higher education and sustainable development through enforcement of innovative courses offered by Apulian Universities C (2016)1417 - 3.03.2016.
Action Plan: Promotion of Summer Schools offered by Apulian Universities

Summer School in **PhYsiology and Biophysics of Water and Ion Channels**
(SPYWWATCH)

CUP n. **H91I17000070009**

PROMOTER: Università degli Studi di Bari Aldo Moro

Partner: MASMEC S.p.A.

D.R. n. 871

- WHEREAS the Statute of the University of Bari Aldo Moro;
- WHEREAS Ministerial Decree 22.10.2004, no. 270, "Amendments to the rules concerning the instructional autonomy of universities, approved by Decree of the Minister of Universities and Scientific and Technological Research, 3 November 1999, no. 509" and s.m.i.;
- WHEREAS the E.Lgs 196/2003 and s.m.i., containing a security code to protect personal data;
- WHEREAS the Instructional Regulations of the University of Bari Aldo Moro, issued by D.R. no. 4318 on 12.11.2013, specifically art. 27;
- WHEREAS the Regulation of the "Summer and Winter Schools" at the University of Bari Aldo Moro, issued by Decree of the Dean no. 1543 on 18.07.2014;
- WHEREAS the resolution passed by the Academic Senate at the meeting of 8.4.2015;
- VISTA the resolution passed by the Board of Directors at the meeting of 22.12.2015;
- WHEREAS the Procedures for foreign/international students for entrance, residence, and enrolment in courses of higher education in Italy for the 2017-2018 academic year, drafted by the General Director for Students, Development and Internationalisation of Higher Education, in agreement with the Ministry of Foreign Affairs and International and Domestic Cooperation;
- WHEREAS the call for proposals N. 2/PAC/2017 and N. 3/PAC/2017 - Cohesion Action Plan for higher education and sustainable development through enforcement of innovative courses offered by Apulian Universities, published in the Official Bulletin of the Apulia Region n. 68-June 15th2017,

- WHEREAS the resolution on the establishment and activation of the “**Summer School in Physiology and Biophysics of Water and Ion Channels (SPYWATCH)**” of the Department of *Biosciences*, Biotechnologies and Biopharmaceutics, in cooperation with MASMEC S.p.A, which was passed at the meeting of March 6th2018;
- WHEREAS the Unilateral Undertaking for planning obligations signed by the Rector of the University of Bari Aldo Moro, on November 30th2017,

DECREES

For the 2017-2018 Academic Year, the “**Summer School in Physiology and Biophysics of Water and Ion Channels (SPYWATCH)**” of the Department of *Biosciences*, Biotechnologies and Biopharmaceutics is activated in cooperation with MASMEC S.p.A.

1. Objectives, aims and organization

Information regarding the aims, employment prospects, number of available posts, qualifications required for entry, selection procedures, organization of instruction, enrollment fees, and any other specific instructions referring to the Summer School is contained in the form attached to this Decree, of which it constitutes an integral part.

2. Requirements for admission

The Summer School is open to 30 participants, namely Bachelor degree students, Master degree students, PhD students and Post Doctoral researchers interested in Physiology and Biophysics of Protein channels. The applicant must possess the necessary qualifications at the time of submission of the application and have an adequate level of English proficiency.

3. Terms and conditions for submitting applications for admission

Applications for admission must be submitted within **April 27th, 2018**.

The candidate should:

1. connect to the University website at www.uniba.it;
2. select the Esse3 online Secretary at <http://www.studenti.ict.uniba.it/esse3/Home.do>;
3. log in with username and password (if already registered) or register as a new user;
4. in order, select SECRETARY, ADMISSIONS (CONCORSI TEST DI AMMISSIONE), COURSE TITLE, and follow the guided instructions to complete the application for admission;
5. before expiration of the public announcement, send the Program Director (Prof. Grazia Paola Nicchia, graziapaola.nicchia@uniba.it) a curriculum vitae and any qualifications relevant in the evaluation of the application for admission.

Candidates who have omitted any of the supporting documents requested in the public announcement, or who have made false statements regarding their status or the documentation attached to their applications for admission will be excluded from participating in the selection process and from attending the Program, subject to the penalties set forth in art. 76 of DPR no. 445 of 28.12.2000. Pursuant to art. 40 of DPR no. 445/2000, as amended by art. 15 of Law no. 183/2011, in any communications with public administration bodies and public service providers, certificates and personal documents are always replaced by the declarations referred to in articles 46 and 47 of the same decree.

FOREIGN STUDENTS. Non-Italian citizens of the European Union (regardless of where they reside), non-EU citizens who are legal residents of Italy, and non-EU citizens who reside abroad must register the application for admission and deliver copies of degrees issued by foreign institutions, duly accompanied by a translation into English or Italian.

4. Examination Commission

The Examination Commission for admission to the Summer School will be appointed by Decree of the Director of the Department of Biosciences, Biotechnologies and Biopharmaceutics.

5. Selection Procedure

The selection procedure will be carried out in accordance with the terms and conditions set out in the form attached to this public announcement, which forms an integral part thereof.

6. Approval of acts

The ranking list of candidates admitted to enrolment (graduatoria) will be published on the website <http://www.uniba.it/didattica> on the page dedicated to the Summer School as official communication to the interested parties.

7. Enrollment of accepted students

Admitted students must deliver to the Administrative Secretary of Post Laurea Office (marina.garofalo@uniba.it) or send by registered mail or PEC (universitabari@pec.it), within the registration deadline, the following documentation:

- photocopy of a valid identification document;
- photocopy of the applicant's fiscal code;
- curriculum vitae;

8. Attendance, renunciation, awarding of diploma

Attendance: The student is required to attend at least 80% of the planned educational activities. No suspension or interruption of the same is permitted.

Renunciation by the student, lack of attendance or absence from greater than 20% of the planned educational activities for any reason, as well as departure from the course in any capacity, will result in the revocation of the same.

In case of renounce and interruption without rightful motivation after enrollement, participants are requested to give back the study grant (Euro 400, -) offered by the European Commission and managed by Apulia Region- and by MASMEC S.p.A.

Awarding of diploma: At the end of the course, the attendance certificate will be awarded to students who have attended at least 80% of the educational activities.

9. Privacy Statement for students pursuant to D.Lgs 196/2003

The University of Bari Aldo Moro guarantees that the personal data of students that was acquired through registration and enrolment, or through any subsequent appropriate changes in the procedures for data collection, will be handled, throughout the performance of institutional activities, within the limits established by the aforementioned legislative decree and regulations, in compliance with the general principles of transparency, fairness and confidentiality.

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Sezione Post Laurea
U.O. Corsi di Perfezionamento ed Alta Formazione

10. Final Provisions

The Administrative Secretary of the Summer School will not notify candidates/students in any way about the results of admissions selection, the start of the Course lessons. In addition, the Administration is not liable for the failure to start the course, any delays in the conducting of the course, changes in location and/or lesson schedules, or anything concerning the organization of instruction.

For any information not provided in this public notice, please refer to the Decree of the Dean establishing the Courses and to the applicable regulations regarding public competitions.

Bari, 16.03.2018

F.to Prof. Antonio Felice Uricchio



Summer School in PhYsiology and Biophysics of Water and Ion Channels”

(SPYWATCH)

Summer School Director

Grazia Paola Nicchia

Full Professor of Physiology

Tel 080 5443335 - email: graziapaola.nicchia@uniba.it

Introduction

Water and Ion channels are integral proteins that regulate cellular homeostasis and the interaction between cells and the outside world through transport mechanisms at the level of the plasma membrane. The study of these mechanisms is fundamental to produce useful knowledge and basic fundamentals in cellular and molecular physiology as well as find diagnostic and therapeutic applications. Several pathologies derive from protein channel altered functioning, pathologies classified today as “Channelopathies”, such as Nephrogenic Diabetes Insipidus, some forms of hereditary Cardiomyopathy, Idiopathic Epilepsy, Spinocerebellar Ataxia, Myasthenia Gravis, Lambert-Eaton Myasthenic Syndrome, acquired Neuromyotonia and Neuromyelitis Optica.

Objectives

The objective of the “Summer School in Physiology and Biophysics of Water and Ion Channels” (SPYWATCH) is to provide theoretical and practical knowledge on latest generation biophysics techniques, useful in the study of the molecular mechanisms underlying water and ion channel physiology and physiopathology. The project will be developed by the University of Bari “Aldo Moro” in partnership with the company MASMEC SpA at whose headquarters the participants will take part in a laboratory experience aimed at providing a practical vision of the activities proposed by SPYWATCH.

Training activities

The objectives of SPYWATCH will be achieved through numerous activities both in the classroom and the laboratory. The theory lessons will be taught by leading experts in the physiological and physio-pathological aspects of water and ion channels, at international level. They are professors from the University of Bari and elsewhere in Italy and abroad. The practical activities will be lead by University of Bari professors and organized in order to train the participants in the use of various platforms, taking problems in basic and translational research as a starting point. A whole day will be spent at the headquarters of the company MASMEC SpA for the presentation of the company and its relevant products, as well as for demonstrations by product specialists. Platforms for the low/high-throughput screening of lead compounds developed in the course of the productive project collaborations between UNIBA and MASMEC will be presented.

Training Period and Location

The course will be held in the period from 18-22 June 2018. The first four days (18-21 June 2018) will be in the Department of Biosciences, Biotechnologies and Biopharmaceuticals at the Campus of the University of Bari Aldo Moro, and the last day (22 June 2018) will take place in the laboratories of the project partner company, MASMEC S.p.A., Modugno, near Bari.

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Timetable

The mornings will be entirely dedicated to classroom lessons in the Aula Magna of the Department of Bioscience, Biotechnology and Biopharmaceutics. Lessons will be held from 8.30 to 13.30 with a 30 minute mid-morning break. After a one-hour lunch break, practical activities will continue from 14.30 to 18.30. In order to optimize the practical activities, students will be divided into 4 groups and each activity repeated for each group.

Social Events

There will be a social evening with dinner on Thursday from 20.00. PhD students and post-doc at the Department of Bioscience, Biotechnology and Biopharmaceutics will organize informal social events on Tuesday and Wednesday night after 19.00.

Requirements for participation

SPYWATCH will be open to 30 students with scientific training including, graduates, PhD students and post-docs interested in the biophysics of channel proteins. Selection will be based on motivation and background. Candidates will be required to send a CV and a brief text (500 words) outlining their interest in participating ("motivation statement") to the Course Director: graziapaola.nicchia@uniba.it.

Selection

Students shall be admitted and placed on a ranking list on the basis of:

- Number of exams past during the current academic year;
- Grade average;
- In case of equal points, the place will be awarded on a first come first served basis of the application.

Requirement for participation is a also good knowledge of English.

The evaluation will be carried out by a Commission. After the selection by the evaluation Commission, the candidates will receive a registration confirmation.

Course Fees

The course is free of charge. Costs of the **SPYWATCH** are financed by Cohesion Action Plan funds - agreed with the European Commission and managed by Apulia Region- and by MASMEC S.p.A.

Coffee breaks, lunches and the social evening are included every day of the course. The University of Bari will pay a standard sum of Euro 300 per person towards the travel and accommodation expenses of the 10 participants not resident in Italy.

In case of renounce and interruption without rightful motivation after enrollement, participants are requested to give back the study grant (Euro 400, -) offered by the European Commission and managed by Apulia Region- and by MASMEC S.p.A.

Training Credits

Participants completing of the course will be awarded 4 CFU (university training credits).