



**JUNIOR LECTURESHIP IN MATH AND SCIENCES
AT THE UNIVERSITY OF TRENTO**

A.Y. 2010 – 2011

AWARD #0303 **GRANT CATEGORY:** Junior Lecturing

NUMBER OF AWARDS: 2

DEADLINE: August 1, 2009

DISCIPLINE: Biology, Physics, Mathematics and Computer Science

SPECIALIZATION (s):

- **Biology:** Systems biology, Stem cell biology, Cell signalling, Post transcriptional control of gene expression
- **Computer Science:** Data Media and Knowledge, Bio-informatics, Distributed Systems and Networking, Embedded Systems and Ambient Intelligence, Software Technologies
- **Mathematics:** Algebraic geometry, Calculus of variations, Nonlinear evolution equations and stochastic processes, Group theory and mathematical cryptography
- **Physics:** Experimental Physics, Theoretical Physics, Physics of Matter, Nuclear and Particle Physics, Applied Physics

DESIRED QUALIFICATIONS OF SCHOLAR

Ph.D and an experience of post doc of at least two years or more. Some years of teaching experience.

HOST INSTITUTION: **University of Trento**
 Faculty of Mathematics, Physics and Natural Sciences

LENGTH OF GRANT: 6 months

GRANT START DATE: September 2010 or February 2011

GRANT ACTIVITY

Lecturing to undergraduate and graduate students (3 hours per week). Average class size of 10-25 students.

OTHER ACADEMIC ACTIVITIES ASSIGNED TO THE GRANTEE

Tutorials for Ph.D. students, student advising and faculty training

DIDACTIC MATERIAL

Students usually purchase books.

LANGUAGE REQUIREMENTS

Lecturing is in English.

AWARD AMOUNT

The grant amounts to €9.900. This sum includes a maintenance allowance of €7.400, a settling-in allowance of €1.000 and a travel allowance of €1.500. The grantee will be covered by Health and Accident Insurance for the whole grant period, provided by United States Department of State.

LETTER OF INVITATION

Candidates are not required to submit a letter of invitation from the University of Trento.

LOGISTIC INFORMATION AND UNIVERSITY'S FACILITIES

The University will provide furnished housing to the grantee.

University's facilities:

- Office space
- Secretarial assistance
- Computer facilities, Internet and email services

ENTRY VISA TO ITALY

The Fulbright scholar will need to obtain a visa for study purposes (*visto per studio*) for the whole duration of his/her stay in Italy

CONTACT PERSON(S) AT THE HOST INSTITUTION (for applicants' questions about this award):

Professor Sandro Stringari, Dean

Facoltà di Scienze Matematiche, Fisiche e Naturali

Università degli Studi di Trento

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E-mail: preside@science.unitn.it

University Website: <http://www.unitn.it>

Faculty Website: <http://www.unitn.it/scienze/>

CONTACT PERSON AT THE FULBRIGHT COMMISSION

Barbara Pizzella

Program Officer

The US – Italy Fulbright Commission

Via Castelfidardo 8

00185 Rome, Italy

Email: bpizzella@fulbright.it



The University of Trento is a young and dynamic university with 15,000 students and about 1,200 people working as faculty and administrative and technical staff. Quality of research and teaching, internationalization and strong, positive relations with the community are the main priorities of the University of Trento.

The university is organised into three distinct sites. The Faculties of Economics, Law, Sociology, Humanities and Philosophy and the School of International Studies are all situated close together in the heart of the historic centre of Trento, just a short walk from the Cathedral and from the town's most frequented venues. Only five minutes by bus from Trento's rail station and with excellent links to the city by public transport are the Faculties of Engineering and of Science. Surrounded by nature they comprise the university's campus in the hills. 25 km from Trento, in the town of Rovereto, famous as the home of the Museum of modern and contemporary art (Mart), is the Faculty of Cognitive Sciences. With the inauguration of this faculty in 2004, the university broadened its scope to include neurosciences, a particularly innovative area of study and research of great interest for the future developments it promises. Here research is conducted within the departments and at numerous research and study centres. Besides the most important fields handled such as ICT, environmental engineering, materials engineering, physics, international studies, transnational law, experimental economics and social studies, prestigious research centres have recently been founded including the Centre for Mind/Brain Sciences (CIMEC) and the Centre for Integrative Biology (CIBio). The area also hosts several prestigious research centres such as the Bruno Kessler Foundation and the Edmund Mach Foundation.

Everything is within reach and easily accessible in Trento. Libraries, university canteens, laboratories, cultural activities and special services. The University of Trento offers 5 libraries, open even during the evening, with IT rooms equipped with fixed PCs and a laptop PC service. There are 5 university canteens: 3 in the city and 2 up the hill at the Faculties of Engineering and Science. The university also operates its own Language Learning Centre with extensive and intensive courses in 7 foreign languages, as well as courses in Italian for foreigners.

It is very important, especially for a small to medium-sized university like Trento, to create partnerships with distinguished universities and research centres all around the world in order to better face the challenges of global competition. This is why over the years the University of Trento has created a rich cooperation network which allows itself to integrate its educational opportunities and to promote fruitful relationships in teaching and research.

The relationship between the University and the territory has strengthened over the years and today the University represents for the community both a precious cultural resource and an important factor of social, cultural and economic development.

In recent years the University of Trento has been evaluated as one of the best universities in Italy, in some cases even the best one among small to medium-sized universities. In 2008 all faculties were rated the 1st or 2nd in Italy, except for the Faculty of Cognitive Sciences, which could not be evaluated since it is the only one in Italy. Good results were also achieved at an international level. This success is due, among other factors, to the high quality of teaching, research and services, the strong collaboration with foreign universities and the great number of study grants and student accommodations offered by the Opera Universitaria.

The University of Trento strongly believes in sport not only as a relaxation and leisure activity but also as a personal growth and socialization tool. The University and the University Guild have recently started up the Trentino university sport system, an integrated programme of sport and recreational activities which makes optimum use of the available resources and of the opportunities offered by the beautiful natural setting of the university. Thanks to the collaboration with the University Sports Centre, students and professors can attend courses in a variety of disciplines, from the more traditional, such as skiing or sailing on the lakes of the Trentino region, to the more unusual, such as gliding. Living in Trento means enjoying the advantages of a region that is renowned for its superior quality of life, general well-being and natural environment of extraordinary beauty, where the sun paints the panorama in different hues, creating new sensations for every season.

For more information: <http://international.unitn.it/>