WORKSHOP

Presentation of the Universities and the Research Institutes of Friuli Venezia Giulia in the Life Science sector

October 17th, 2019

Room 3

1:30 pm – 2:30 pm

Organized by cbm
University of Trieste

Founded in 1924, the University of Trieste is a university with a student population of approximately 16,000. It offers a wide range of degree programmes at bachelor, master and doctoral level, as well as short vocational masters, advanced masters and specialisation programmes, most of which are in the medical area. It is a medium sized university with ten Departments that cover a wide almost complete range of research topics. The University of Trieste is also strongly involved in technology transfer: Promotion of patent portfolios (sell, license, options, preemptions) - Valorization of knowledge (collaborative and external research) - Spreading the culture of intellectual property (among researchers and students) - Spin-offs creation (initiatives to transform scientific knowledge into entrepreneurial assets). Research and contact to local economy (SMEs). The university participates in many research projects at national and international level. It is also involved in various student and staff exchange programmes with universities in the EU and collaborates with several universities from Eastern Europe and other non-EU countries.

University of Udine

The University of Udine is a Public University founded in 1978 by National Law. Currently (academic year 2017/2018), the University of Udine offers 36 first cycle degree courses and 33 second cycle degree courses. In addition, the University offers postgraduate teaching and research, with a broad and diverse range of training courses, specialization schools (23), university master (13) and doctorate (15) degrees. It has 15,497 students and 645 professors and researchers. Scientific research is performed and coordinated by 8 Departments and 4 Research centers and supported by a central administrative office. UNIUD has been involved as partner in many different EU research projects (2014/2020): HORIZON 2020: 19 projects funded up to August 2018; other international: 19 projects; territorial cooperation (Inter-reg): 16 projects. The technical and scientific activities are developed with the support of the research and technology transfer office. This office manages complex projects, protects intellectual property and transfers research results to enterprises and other local stakeholders. The structure is supported by a team of 21 competent people. Since May 2016 the University of Udine officially obtained the HR Excellence in Research Award from the European Commission.

SISSA

International School of Advanced Studies of Trieste

SISSA - Scuola Internazionale Superiore di Studi Avanzati was founded in 1978 and is a scientific center of excellence within the national and international academic scene. Located in Italy, in the city of Trieste, it features 71 professors, about 115 post-docs, about 300 PhD students and 102 technical administrative staff. Situated on the scenic Karst upland, the School is surrounded by a 25 acre park, and offers a stunning view of the Gulf of Trieste. The three main research areas of SISSA are Physics, Neuroscience and Mathematics. All the scientific work carried out by SISSA researchers is published regularly in leading international journals with a high impact factor, and frequently in the most prestigious scientific journals such as Nature and Science. The School has also drawn up over 150 collaboration agreements with the world’s leading schools and research institutes. The quality level of the research is further confirmed by the fact that within the competitive field of European funding schemes SISSA holds the top position among Italian scientific institutes in terms of research grants obtained in relation to the number of researchers and professors. Such leadership should also be seen in terms of SISSA’s ability to obtain funding, both from the private and public sectors. Technology and knowledge transfer are a crucial and strategic SISSA activity within the more general mission of creating innovation and guaranteeing valorization of research and talents. It includes a wide range of activities and it is closely related with the so-called third mission of the School, together with Teaching and Research. For this reason, in the last few years, SISSA has given great impulse to this mission establishing better connections within the surrounding region, transferring research results and creating new opportunities in order to increase the impact of the School’s activities on Society.
IRCCS – Institute for Maternal and Child Health “Burlo Garofolo”

The Institute for Maternal and Child Health “Burlo Garofolo” was founded on the 18th November 1856, when the Ospedale Infantile was established in order to grant free medical care to poor children. On the 1968 it was acknowledged as a Mother and Child Referral Hospital and Research Institute (IRCCS). As IRCCS, it pursues research purposes in the biomedical field and in the organization of health services, innovation in care models, training and knowledge transfer. The research draws aims and new stimulus from clinical activity as well as from clinical epidemiology. It promotes the product of new knowledge, modern technologies and the latest models of care taking to the Regional and National Health Service.

Preclinical, clinical and epidemiological research promotes the application of its findings to the clinical and public health practice. In 2017, the research product included 187 papers published in international peer reviewed journals with a total Impact factor of 1000.

The Institute collaborates with a wide network of International Institutions including Pediatric Hospitals and Research Centers located in both developed and developing countries. Since 1992, it has been formally acknowledged as Collaborating Centre for Maternal and Child Health by the World Health Organization.

IRCCS – National Cancer Institute CRO of Aviano

The Centro di Riferimento Oncologico (IRCCS CRO AVIANO) - National Cancer Institute is an Italian public institute operating under the authority of the Italian Health Ministry for the clinical & experimental research functions. CRO was funded in 1984 and is committed to pursue excellence in all aspects of clinical oncology and management of health services, with particular emphasis on Onco-Hematology, Breast Surgery, Onco-Geriatrics, Pharmacogenetics/genomics (14-19 years old).

CRO is also an excellence in translational and clinical research activity, which contributes to the advancement of scientific knowledge, the prevention and treatment of disease, and the strengthening of our economy from collaborations with private industry. The current research activity is based on five research lines: - Tumor genetics and biology (basic and translational research); - Tumor epidemiology and prevention; - Hematologic neoplasias. Translational and clinical research; - Solid tumors. Translational research to better diagnosis and treatment; - Infectious agents associated tumors. Clinical research is based on mono- and multidisciplinary therapeutic protocols (conservative surgery in breast cancer, combined chemotherapy and radiotherapy in locally advanced, non small-cell lung cancer, interdisciplinary treatment of soft tissue sarcomas and ovarian tumors). Innovative protocols concern: Phase I-ll studies of new drugs in metastatic tumors; therapeutic schemes specifically designed for elderly patients and patients with AIDS. Our structure performs an average of 378.740 exams/year, 8.295 admissions/year (50% to persons extra-region) with day hospital treatments and long-term stays. The scientific production overcomes 230 articles published on magazines with Impact Factor (IF), ranging among the 10% of the most reputed articles in the relatives scientific field, reaching a total IF above 1000. The average of the effected clinic trials is approximately 60 per year.
Elettra – Sincrotrone Trieste S.C.p.A.

Elettra Sincrotrone Trieste is an international multidisciplinary research centre, specialized in synchrotron and free electron laser radiation for material and life sciences. Its mission is to promote cultural, social and economic growth through basic and applied research, technical, scientific and management education as well as technology and know-how transfer.

Elettra Sincrotrone Trieste operates two lightsources: the storage ring Elettra and the free electron laser FERMI, offering a wide variety of spectroscopy, scattering, microscopy and diffraction techniques. Additional laboratories offer sample preparation and characterization as well as scientific computing. We serve the communities of material science, solid-state chemistry, atomic and molecular physics as well as biology, medicine and cultural heritage. Over time, we created and consolidated an exceptional body of skills and technical expertise, whose benefits we wish to offer in support of industry R&D activities.

Our partnerships include research institutes (http://www.elettra.eu/about/alliances-and-partnerships.html) as well as private companies (http://ilo.elettra.eu). Moreover, Elettra is the Italian Representing Entity within the CERIC-ERIC Consortium (www.ceric-eric.eu) hosting its statutory seat. We have a long-standing experience in managing European and National projects (Structural and cohesion funds, FP7 and Horizon 2020). We also received the ISO 9001 and BS OHSAS 18001 quality certifications.

ICGEB
International Centre for Genetic Engineering and Biotechnology

ICGEB is an intergovernmental organisation operating within the UN Common System since 1987. A Centre of excellence for research, training and technology transfer to promote sustainable global development, it remains unique in pursuing advanced scientific research in its own laboratories in Trieste (Italy), New Delhi (India) and Cape Town (South Africa). ICGEB contributes to advanced education of young scientists from over 60 Member States and supports international research projects. In Trieste, 200 scientists investigate cardiovascular, neurodegenerative and infectious diseases, immunology and human genetics, the development of new treatments based on gene and stem cell therapy and the production of biopharmaceuticals. In New Delhi approx. 400 scientists investigate mammalian and plant biology, focusing on the development of diagnostic and vaccine candidates for malaria, hepatitis and dengue, and advanced research on plant biotechnology and biofuels. In Cape Town, 60 scientists investigate infectious (HIV/AIDS and malaria) and non-communicable diseases (cancer). ICGEB is at the forefront of science and technology-intensive solutions to improve quality of life and

1) Conducts advanced research
2) Awards Fellowships for PhD students and researchers
3) Organises ~30 annual meetings on cutting-edge topics
4) Supports research in Member States by funding projects
5) Transfers technology to biotech companies
6) Cooperates with governments to define policies for GMOs

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Workshop Speakers

- **Alessandro Baraldi** - Rector Delegate for Scientific Research and PhD Programmes - University of Trieste
- **Alessandro Gasparetto** - Rector Delegate for Research and Technology Transfer - University of Udine
- **Paolo Manganotti** - Scientific Coordinator - Health of Neurology Unit of ASUI TS - Azienda Sanitaria Universitaria Integrata di Trieste
- **Antonello Mallamaci** - Neuroscience Coordinator Unit - SISSA - International School of Advanced Studies of Trieste
- **Andrea Taddio** - Medical manager in reumatology and immunology unit - IRCCS – Institute for Maternal and Child Health “Burlo Garofolo”
- **Lucia Coral** - Technology Transfer Office - IRCCS – National Cancer Institute CRO of Aviano
- **Martina Viviani** - Fundraising, Technology Transfer and Innovation Office - ICGEB - International Centre for Genetic Engineering and Biotechnology
- **Marco Peloi** - Industrial Liaison Office - Elettra – Sincrotrone Trieste S.C.p.A.

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