



CRI
NEWSLETTER
- keep in touch

iR **CENTRO RICERCA
e INNOVAZIONE**
Fondazione Edmund Mach

Jan-Mar 2013

EDITORIAL

IN THIS ISSUE

Why this Newsletter

by Floriana Marin, Cristina Castellani, Alessandro Gretter, Carlo Pozzi

This Newsletter is written by the CRI Communication and PR office in collaboration with ASR unit and FIRS>T PhD office. It aims to facilitate the flow of knowledge within CRI.

Daily duties make it difficult to keep track of all the deadlines, achievements and events concerning CRI activities. Several messages from different sources (emails, FEM4ME, websites, etc.) force people to jump between channels. Sometimes this might generate confusion.

Aware of this, we think that the newsletter could be a helpful tool to aggregate and present selected facts, events, procedures, and news of interest for the entire CRI staff. We hope our work will be appreciated by you, the readers, and we will be glad to receive any feedback and suggestions to improve the quality of this Newsletter (please write to comunicazione.cri@fmach.it) and get your collaboration.

This first issue gives us the opportunity to give you an introduction to our office and to learn more about our activities and the scope of our

work. We support the communication of CRI activities and priorities to a wide national and international audience.

Our team is engaged daily in a range of services for researchers, current and prospective students, partner organizations, public and private sectors, general public and media. We provide support for event organization, internal communication, reports and publications and coordinate image. If you think that description is not enough take a visit at our office (currently CRI building, 2nd floor) bringing a mug, we will be glad to introduce ourselves and offer you coffee/tea. If you cannot, just call us up at 601.

Each issue gives an overview of prominent future and past events organized by CRI, followed by news from the administrative office.

A special section is reserved for the PhD community. We expect that our doctoral students will enrich this part with their precious contributions.



2013 CRI big events

At the moment we have four big events scheduled for this year: Pesticide Use and Risk Reduction for future IPM in Europe, the 5th Congress of the Italian Society for Evolutionary Biology (SIBE), the Molecular Markers in Horticulture Symposium (ISHS), and MS Food Days.

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The new PRC building

Modern, spacious, hi-tech, and ecological. These are the features of the new "Palazzo della Ricerca e della Conoscenza" officially opened last 9th November. A new building that changes the FEM "skyline"

Enjoy your reading!

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EVENTS

2013 Events

by Communication & PR Office

“PESTICIDE USE AND RISK REDUCTION FOR FUTURE IPM IN EUROPE”

March 19-21, Riva del Garda. This international conference will be the largest event on the future of European agriculture and in the view of the adoption of the Directive 2009/128/EC. With its expected 500 participants from Europe and all over the world, it will provide a unique opportunity to share regulatory, scientific, and technological information. More info: <http://futureipm.eu>.

“5TH CONGRESS OF THE ITALIAN SOCIETY FOR EVOLUTIONARY BIOLOGY”

August 28-31, Trento. 5th congress of the Italian Society for Evolutionary Biology (SIBE), co-organized by FEM, Museo delle Scienze and CIBIO/UniTN, aims at being extremely interdisciplinary and targeted to evolutionists as well as other scientists, particularly PhD students, willing to learn about evolution. Symposia will cover various topics, including Paleobiology, Evolutionary Medicine, Genome Evolution, and Evolutionary processes and Biodiversity

Special attention will be given to “Evolutionary applications to agriculture and biosystems”, as well to PhD student presentations. The congress will end with a “Wallace day” at MUSE, dedicated to communicating evolution to the public.

“MOLECULAR MARKERS HORTICULTURE SYMPOSIUM”

September 25-27, Riva del Garda. In order to discuss the progress achieved by exploiting molecular markers in plant sciences and the challenges for the future, the International Society for Horticulture Science (ISHS) in collaboration with FEM is currently organizing the Molecular Markers in Horticulture Symposium. Visit the event [website](#) to get more info.

“MS FOOD DAYS”

October 09-11, Trento. The 3rd MS-FoodDay conference represents an excellent occasion for presenting the state-of-the-art of mass spectrometry in food chemistry, along with the latest innovations in instrumentation and applications. This will also create the

optimum opportunity to meet the needs and offerings of academic institutions, food and instrumentation companies. Click [here](#) for more info.

AAA...VOLUNTEERS OPPORTUNITIES

We are looking for some volunteers as staff for forthcoming International events

IF YOU CAN SPEAK VARIOUS LANGUAGES AND LIKE TEAM WORK, YOU ARE THE RIGHT CANDIDATE!

Please send your availability at comunicazione.cri@fmach.it.



The biennial event took place in Mezzocorona – PalaRotari and lasted four days, starting on **30TH SEPTEMBER 2012**, with an opening lecture of INRA Research Director – Jerome Salse followed by a Welcome Dinner in the historical wine cellar of Mezzocorona. Each of the following three days (1-3 October) began with a prominent scientists’ speech – Sean Myles from Canada Research Chair in Agricultural Genetic Diversity, Jim Giovannoni from Boyce Thompson Institute, and Lijuan Han from Beijing Genomics Institute.

The event was divided into **10 SESSIONS** during which the relevant and up-to-date topics on

The 6th Rosaceous Genomics Conference

by Natalja Nemceva

Rosaceae species were discussed, including fruit genetics, quality, and molecular breeding. One of the most important aims was to propose and achieve solutions to the problems that many fruit species encounter, for instance, nonresistance to pest and diseases. This event was also the occasion to present to the community working on Rosaceae species the results of the recent sequencing of the two Rosaceae fruits – pear and raspberry – where FEM made a huge contribution, together with the New Zealand and Utah State (USA).

The event gathered together more than 200 scientist, professors, researches and students from all over the world. There were representatives from 20 countries from various institutions, mostly from Italy (44%), followed by U.S. (13%), France (10%) and RGC4 holder Chile (6%). There was a

huge participation from members of the organizing institution – FEM – more than quarter of all participants were FEM members. The second day of RGC6 included a number of parallel special events: the COST Action meeting on cherries, Global Crop Diversity Trust workshop, the campus visit of Fondazione Edmund Mach, Illumina Genome Studio workshops and the poster presentations. The two posters’ winners were selected by scientific committee members – young scientists **THIJS VAN DIJK** from Wageningen University and **DAIKI MATSUMOTO** from Kyoto University. The third winner – **TOMOYA ESUMI** from Shimane University – was elected by FEM PhD students and was awarded a special prize “from students to young scientist”.

RGC7 WILL BE HELD IN SEATTLE – U.S.A. IN THE MID OF JULY 2014.



MAIN ARTICLE

FACILITIES



Scientific facilities

15 laboratories, 100 researchers, 7 environmentally controlled chambers.



Meeting rooms

an Aula Magna – 99-seat *auditorium* - and 12 training rooms equipped with projectors.

FAST FACTS

6,000m²

designed to minimize the environmental impact

€18 millions

The design (by Giovanni Bertolotto and Luca Vacchelli), construction and implementation of this remarkable building had taken over four years and €18 million to construct.

FOR MORE INFORMATION

Visit the building's photo gallery available at the following address:

<https://plus.google.com/photos/109356845551571403035/albums/5807286082278850465?authkey=CMP82obuvvTy8AE>



Opening building 'PALAZZO della RICERCA e della CONOSCENZA'

by Jacopo Tomasi

KEY FACT - 4 floors of teaching rooms, offices, and labs; 6,000 square-meters, 30,000 m³ structural volumes, 585 people maximum hosting capacity, € 18 million total cost.

On Friday 9 November FEM President, Francesco Salamini, and Lorenzo Dellai - the President of Autonomous Province of Trento - officially opened the new building to the great excitement of all present. Also attending were the Mayor of San Michele, Clelia Sandri, and the Bishop of Trento, Monsignor Luigi Bressan, who blessed the new building.

The new building will, at long last, provide FEM with an academic and working environment consistent with its reputation. It is the key which unlocks the future development of a 'snug' campus. The new facility hosts graduate and post-graduate studies, including viticulture and oenology courses organized by Trento and Udine universities. The FIRS>T is housed in the glass offices on the top floor.

Environmentally-friendly building

The modern, spacious building has been designed to minimize its environmental impact. It is organized around a big glass staircase, sky-lit common area surrounded by a two-level administrative block

All offices are equipped with big windows so it reduces the need for electric lighting.

Energy savings is one of the strength of the new building. In particular there is an innovative air treatment working in all labs and rooms. Lighting, small power, cooling, heating and hot water are all metered for monitoring purposes. The new building is fully wired and has more than 1,000 LAN sockets.



Spaces provided within the facility include 15 high-technology equipped laboratories (e.g. computational biology, sensorial analysis) and 7 environmentally controlled chambers for growth and storage plant production. Approximately one hundred researchers will work within these spaces.

FEM Campus

The urban development of FEM provides other news. In spring, the CTT will move in the new building next to the "Palazzo della Ricerca e della Conoscenza." Another structure -which will host all employees who deal with environmental issues - will be built south of this new building on the Foundation's farm. The project contract will be defined shortly.

IX INCONTRO DEI DOTTORANDI IN ECOLOGIA E SCIENZE AMBIENTALI

Milan, 15th–18th April 2013. The "Acquario Civico" (Viale G. Gadio 2) of Milan will host the meeting promoted by Società Italiana di Ecologia (S.It.E.) e dall'Associazione Italiana di Oceanologia e Limnologia (A.I.O.L.).

The meeting will host to up to 90 participants, in particular PhD Candidates or PostDocs that obtained their degree in the last 2 years. The event is free of any registration fees, and all the participants will have the opportunity to present an oral or poster contribution. StE will grant some travel grants for attending the meeting. During the meeting a discussion about the application of research evidences and environmental management strategies is scheduled.

Registration and abstracts have to be sent to milano2013@successioneecologica.it not later than **28 February 2013**. More info on this [page](#).

SSMPG SUMMER SCHOOL 2013: SOFTWARE AND STATISTICAL METHODS FOR POPULATION GENETICS Aussois (Savoie, France), June 17th-21st 2013.

The aim of the summer school is to provide a comprehensive overview on software and statistical methods for population genetics. Lecture notes and software demos will be held during the summer school. The three topics of the summer school are: population structure, demographic inference, and selection scan.

Registration fees include attendance to the courses, food, housing, conference banquet, and the social event on Wednesday. The rates are of 350 euros for PhD students and postdocs, 450 euros for faculty members, and a supplement of 50 euros will be charged for the participants that prefer to stay in a single room instead of a double room. Registrations will be closed on March 7th. Visit the [webpage](#) for more information.

ONLINE COURSES : DATA ANALYSIS (WITH R) AND SOCIAL NETWORK ANALYSIS

There is an [online course](#) starting soon on Coursera, which are free to register.

Social Network Analysis It is a 9-week online course starting on Jan 28th 2013. This course will use social network analysis, both its theory and computational tools, to make sense of the social and information networks that have been fueled and rendered accessible by the internet.



Evolutionary Biology Workshops in the Alps

EVOLUTIONARY BIOLOGY WORKSHOP

Villa Cassel (Swiss Alps), 18-24 June 2013 This workshop is based on a concept developed by Stephen Stearns and John Maynard Smith. The main goals of this course are to develop the following skills: i) developing your scientific ideas through discussions in groups; thinking critically and expressing oneself clearly; ii) turning an idea into a research project; iii) writing and defending a research proposal.

ETSC credit points: 3

Target participants: PhD students, advanced Master students



GUARDA WORKSHOP IN EVOLUTIONARY BIOLOGY

Village Guarda (Swiss mountain), 22 - 29 June 2013. The main aim of the course is to develop the skills to produce an independent research project in evolutionary biology. Faculty includes Stephen Stearns, Robert Trivers, Sebastian, Bonhoeffer and Dieter Ebert (organizer).

The course is intended for master (or Diploma) students and early PhD students with a keen interest in evolutionary biology. All the details can be found <http://www.evolution.unibas.ch/teaching/guarda/index.htm> Application is open now. Deadline is **March 1, 2013**.

MORE INFORMATION

Deadline for application: **15 February 2013**. Costs: CHF 530. for room and board; there is no tuition fee.

To apply, send a single file (.pdf or .rtf) containing a **short motivation letter**, a **cv**, and the **name of your scientific advisor** to Nadia Bruyndonckx <Nadia.Bruyndonckx@unil.ch>, with a CC to tadeusz.kawecki@unil.ch

PhD International Night

by Federico Ossi

On **TUESDAY DECEMBER 18TH** the second edition of PhD International night was held.

The event was organized by FEM PhD community in collaboration with the PhD FIRST Office and the PhD welcome office; financial support was given by Research and Innovation Centre Director, Dr. Roberto Viola, who also provided a personal gift for every PhD student that attended the event. PhD International night was especially thought and planned as an occasion to socialize among PhD students. Since the PhD community is a highly international and multicultural group, the event was organized to highlight and deal with this particular trait of the group: the organizers proposed the international context "**A taste from your country**" that encouraged the most of the students (almost 40) to present typical food, either traditional dancing or singing from their country.



Everybody could taste food from United States, Iran and Italy, enjoying typical dancing from Emilia Romagna or listening traditional songs from China, Italy, and other Countries.



The friendly and relaxed atmosphere in which the event occurred was particularly appreciated by all the people that attended the party. The PhD community considers the event a good success that hopefully represents only one of the first steps to accomplish one of the PhD community tasks, that is socialization between its members.

IN BRIEF

Management Deadlines

Following the meeting held before Christmas we remind you that, alongside with your PAC (PhD Advisory Committee), you have to complete your PhD Project Chart, upload on GANTTER your work-programme and populate your info on the individual profile of phdhub.it Further info are available on the FIRST page of the WICRI. PhD Office and SIR are available for support.

Meeting time

We remind you that the FIRST PhD office has scheduled a meeting time on Tuesday (11.30-12.30) and Thursday (10.00-12.00). You are kindly invited to ask for a meeting within this time schedule.

FAST FACTS

56% female

56% of the PhD population is female

31 countries

are represented from all the Continents

FOR MORE INFORMATION

The PhD community has largely grown considerably in the last months. By the end of February the holders of a scholarship financed by our Centre will be 85, a figure even larger if we consider other 10 PhD candidates affiliated and working with us. In 2012, 4 of our scholarship holders have been awarded a PhD degree and during this year we expecting another dozen will reach their goal.

FIRS>T being part of IRSAE

by Francesca Cagnacci

International School in Applied Ecology includes 12 research institutes, mainly from Scandinavian countries, and FEM/CRI. IRSAE funding from the Norwegian Research Council will extend until December 2020. IRSAE will advance the quality of PhD education within various research fields coupled to Applied Ecology, thereby producing responsible future scientists and

managers that can progress the present-day front in applied ecology further. In addition, IRSAE, will facilitate and improve recruitment of PhD-candidates, and make the research education more effective through collaboration between institutions with similar research profiles. IRSAE attempts to achieve its mission by: 1) establishing a national and international interactive network of contacts and collaboration among PhD students, supervisors, researchers and managers; 2) supplying PhD-students with ecological theory and enable them to employ this theory in tackling applied research and management issues; 3) the exchange and facilitation of information between parties involved regarding the

availability of existing PhD courses, seminars, research funding, career opportunities etc, and to create new PhD courses, and PhD meetings.



The next Summer school is already organised and is in Mols Bjerge National Park, Denmark, on 18-23 August 2013: "Linking ecological research and natural systems management". At least two courses/year will be planned and finalized, by either of the partner institutions. Students from partner institutions are usually offered a full-board accommodation and do not have to pay fees. Travel costs is up to participant.

What's new in CRI admin?

During the last year CRI administration introduced a number of innovations, which should make our lives easier. At least professionally.

This process is part of a major effort, involving the entire FEM, aimed at reducing bureaucracy and maximize the time we can spend doing research. We call it "mattresses removal", and if you want to know more about why, please read [here](#).

In 2012 the PIU helpdesk became operational, which is detailed [here](#) for your convenience: this is a cloud-service for admin support and it provides researchers with a number of solutions for their admin issues, ranging from car booking to assistance during institutional events.

A significant effort was also placed in improving the communication between management and CRI personnel. An intranet site was created which has been called [WICRI](#), and is completely open and can be modified to serve user's needs: you can create webpages, and share documents, and open blogs and forums. For example you can find all the information necessary to navigate in the "[Melo and Altri Fruttiferi](#)" or "[Vite](#)" programs (if you can't access, please ask to [Andrea Frizzi](#) to be granted login). The WICRI is also becoming instrumental in [spreading the news](#) from the Senior Management Team (SMT) and from the Management Team (MT).

These are the two teams which are responsible for the management of CRI, at different levels of responsibilities: the SMT is composed of the Director and the department heads and support areas; the MT is composed of the group leaders. The automated system [Research Funding](#) is now fully operational for recording, tracking and authorizing new project proposals. This tool helps us to be more efficient in filing new project proposals and thus reaching CRI's objectives of self-funding: every new project proposal must now undergo a approval procedure through the website.

What is going to happen next?

In 2013 we will be proactive in simplifying the admin processes, by using web-based forms whenever possible (you will soon be able, for example, to submit on line the forms to declare that you forgot to use your badge, or that you need to enter CRI premises after-hours): no paper or signatures will be needed for most of the forms. One example is to be found [here](#), for safety and security issues, and another one [here](#), to trigger the hiring process within CRI: please use them!



The newsletter you are reading right now will also be a tool to be used to convey info and to made admin processes clearer and user friendly, and it will be edited on a quarterly basis, or based on special necessities. Please help us by identifying areas of improvement and blind spots. Do not hesitate and contact the head of CRI Research Support Area, [Carlo Pozzi](#), or the head of CRI Research Valorization Area, [Francesco della Porta](#).

Thank you for your collaboration!

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