



The Institute of Genetic and Biomedical Research of CNR
in collaboration with the Technology Park of Sardinia,
the European School of Genetic Medicine
and the University Residential Centre of Bertinoro
organize the

4th Sardinian Summer School Course

From GWAS to Function

Polaris Technology Park, Pula (Cagliari),
June 22 - 26, 2015

Directors: Francesco Cucca (Italy), Marcella Devoto (Italy, USA); Giovanni
Romeo (Italy)

Faculty:

G. Abecasis (USA), L. Luzzato (Italy), T. Meitinger (Germany), S. Montgomery (USA), D. Nickerson (USA), J. Novembre (USA), O. Ohara (Japan), I. Prokopenko (UK), S. Sanna (Italy), S. Sawcer (UK), D. Schlessinger (USA), C. Sidore (Italy), N. Soranzo (UK), S. Schiffels (UK) J. Todd (UK), A. Torroni (Italy)

	Time		Lecturer	Specific titles (to be defined)
	Session 1: Population Genetics			
Monday, 22	09:00-10:00	Lecture 1.1	J. Novembre	
	10:00-11:00	Lecture 1.2	A. Torroni	
	11:00-11:30	<i>Coffee break</i>		
	11:30-12:30	Lecture 1.3	L. Luzzatto	
	12:30-14:00	<i>Lunch</i>		

	14:00-15:30	Workshop 1.1	J. Novembre	
	15:30-16:00	<i>Coffee break</i>		
	16:00-17:30	Workshop 1.2	J. Novembre & S. Schiffels	
Session 2: GWAS interpretation				
Tuesday, 23	09:00-10:00	Lecture 2.1	T. Meitinger	
	10:00-11:00	Lecture 2.2	I. Prokopenko	
	11:00-11:30	<i>Coffee break</i>		
	11:30-12:30	Lecture 2.3	N. Soranzo	
	12:30-14:00	<i>Lunch</i>		
	14:00-15:30	Workshop 2.1	S. Sanna, I. Prokopenko	
	15:30-16:00	<i>Coffee break</i>		
	16:00-17:30	Workshop 2.2	G. Abecasis, C. Sidore	
Session 3: DNA and RNA sequencing: approaches and challenges				
Wednesday, 24	09:00-10:00	Lecture 3.1	G. Abecasis	
	10:00-11:00	Lecture 3.2	D. Nickerson	
	11:00-11:30	<i>Coffee break</i>		
	11:30-12:30	Lecture 3.3	S. Montgomery	
	12:30-14:00	<i>Lunch</i>		
		<i>Free Afternoon</i>		
Session 4: From GWAS to function				
Thursday, 25	09:00-10:00	Lecture 4.1	F. Cucca	
	10:00-11:00	Lecture 4.2	D. Schlessinger	
	11:00-11:30	<i>Coffee break</i>		
	11:30-12:30	Lecture 4.3	O. Ohara	
	12:30-14:00	<i>Lunch</i>		
	14:00-15:30	Workshop 4.1	S. Montgomery	
	15:30-16:00	<i>Coffee break</i>		
	16:00-17:30	Workshop 4.2	D. Nickerson	
Session 5: From GWAS to function				
Friday, 26				
	10:00-11:00	Lecture 5.1	S. Sawcer	
	11:00-11:30	<i>Coffee break</i>		
	11:30-12:30	Lecture 5.2	J. Todd	
	12:30-13:30	<i>Lunch</i>		
		<i>Adjourn</i>		

Target:

The objective of the course is to develop specific competences and skills for academic work and research. The program consists of lectures and practical sessions which are geared toward moving from GWAS data to functional studies. The focus will be on facilitating the maximum possible interaction among lecturers

and participants. The lectures are planned to give overviews on new approaches to genetic variation studies and to apply this information to different areas of research, in particular related to complex and monogenic traits. Special emphasis will be given to recent progress resulting from genome-wide association studies, which will serve as a starting point to analyze the genetic control of traits by integrating biological principles of trait formation and the impact of functional information on variations.

This summer school is addressed to graduate students, post-doctoral researchers from different backgrounds (including molecular biology, bioinformatics, genetics, mathematics) who wish to learn more about or move into the complex genomics field.

Venue:

Polaris Technology Park- Loc. Piscinamanna, 09010 Pula (CA), Italy. The Technology Park is located in the territory of Pula, in the hinterland of Cagliari, close to the South-Western coast of Sardinia. Its grounds cover an area of 160 ha, set in a nature park at the foot of the Sulcis mountain range.

Applications:

The course is funded by the Regional Sardinian government and **registration will be free of charge for all attendees**. Selection will be based on CV and a letter stating the motivations for attending the course and future research plans of candidates. A letter of reference from the current supervisor must also be attached to the application.

Registration includes course material, lunches and coffee breaks (**not accommodation expenses – see below**). Free shuttle services will be provided from Cagliari Elmas Airport to the hotel and from the hotel to the Polaris Technology Park Auditorium.

Deadline for all applications: May 11, 2015 at 18.00.

Within one week from the application deadline all applicants will be informed about admission. Applications should be sent to info_sc2015@irgb.cnr.it

All participants are encouraged to present a poster.

June 5, 2015: deadline for sending abstracts for posters to:
info_sc2015@irgb.cnr.it

Each abstract, CV and motivation letter will be classified by the scientific directors with a priority score: presenters of the best 10 will be offered a scholarship covering room and board in a double standard room for the entire summer school.

Accommodation:

Faculty and students will be lodged at the hotel Flamingo and the hotel Mare Pineta, both located by the seaside, a few kilometers from the Polaris Technology Park.

Flamingo Hotel (www.hotelflamingosardinia.com)

The rate for a double standard room occupancy (to be shared with another participant) is € 92,00/per night.

The rate for a double standard single use room per person is € 117,00/per night, if available.

Mare Pineta Hotel (<http://www.marepinetahotel.com/>)

The rate for a double standard room occupancy (to be shared with another participant) is € 72,00/per night,.

All rates include breakfast and dinner (half-pension).

For more info re: accommodation please write to: info_sc2015@irgb.cnr.it

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