

University of Camerino

Summer School on Nutrigenomics

1st - 5th September 2014

Camerino, Italy - Palazzo Ducale, Sala della Muta

The Summer School is open to students and researchers interested in issues related to the interaction between nutrients and the (epi-)genome. The programme includes topics ranging from molecular nutrition, genomics, genetic polymorphisms and responses to diet, epigenetics and nutrients, nuclear receptors and nutrition, early nutrition and long-term effects, nutrigenomics and cancer



HR EXCELLENCE IN RESEARCH

Wednesday, 3rd September

Thursday, 4th September



14.00	Registration	8.45	Session 2:	8.45	Session 4:	8.45	Session 6:	8.30	Session 8:
15.00	Welcome		Epigenetic reprogramming by nutrition Chair: Michael Müller, Josep Jimenez Chillaron		Epigenesys: state-of-the- art in epigenetics, by Epigenesys members		Gene-nutrient interactions, metabolic syndrome and cardiovascular diseases		Food and health Chair: Valerio Napolioni, Vadim Fraifeld
15.00	Welcome		Chan. Michael Muller, Josep Jintenez Chinaron		Chair: Barbara T Alexander, Sascha Sauer		Chair: Wim Van den Berghe , Ramona Suharoschi		Chair. Valeno Napononi, Vadim Haneid
15.30	Chair: Marianne Rots, Stefano Lorenzetti	8.45	Marianne Rots, Epigenetic Editing, Dept					8.30	Regina Menezes, IBET and ITQB, Oeiras, Portugal
	Opening Plenary Lecture		Pathology and Medical Biology, University Medical	8.45	Josep Jimenez Chillaron, Endocrine Division,	8.45	Ram Reifen, Research Center for Nutrigenomics and		Yeast SMART platform for screening of bioactives in
	Michael Müller Nutrigenomics and Systems		Center Groningen, Groningen, The Netherlands		Hospital Sant Joan de Déu Fundació Sant Joan de		Functinal Foods, The Hebrew University of		human pathologies
	Nutrition, Norwich Medical School, University of East Anglia, Norwich, England		To mimic and reverse epi-mutations by Epigenetic Editing		Déu, Barcelona, Spain Early nutrition and long-term programming of		Jerusalem, Jerusalem, Israel Nutrigenomics, vitamin A and child nutrition	9.15	Torsten Bohn, Unit Leader Nutrition & Toxicology
	The use of molecular nutrition and nutrigenomics		Eaning		diabetes: Potential role of epigenetics		Nutrigenomics, vitamin A and china nutrition	9.15	Environment & Agrobiotechnologies Department
	research to understand metabolic plasticity and health	9.30	Clarissa Gerhauser, Epigenomics and Cancer Risk			9.30	Laura Silvestri, Regulation of Iron Metabolism Unit,		(EVA), Belvaux, Luxembourg
			Factors, German Cancer Research Centre,	9.30	Torsten Plösch, Dept Obstetrics and Gynaecology,		Div. Genetics and Cell Biology, UniSR - San Raffaele		We are what we eat - is that true? The interrelation
16.30	Session 1:		Heidelberg UMCG, Germany		University Medical Center Groningen, The		Scientific Institute, Milan, Italy		between diet, disease and well-being
	Gene Transcription and responses to diet Chair: Ina Bergheim, Torsten Plösch		Nutri-Epigenomics and Cancer Prevention		Netherlands Epigenetic consequences of maternal under- and		Regulation of iron homeostasis in physiologic and pathologic conditions	10.00	Ingemar Pongratz, Pongratz Consulting, Stockolm,
	chan. ma bergheim, forsten riosch	<mark>€</mark> 10.15	Marcin Wojewodzic, University of Birmingham,		overnutrition		puthologic conditions	10.00	Sweden
16.30	Sascha Sauer, Nutrigenomics and Gene Regulation,	cipal	School of Biosciences, Birmingham, United Kingdom			<mark>월</mark> 10.15	Kevin Dalgaard, Max-Planck-Institute of		The Aryl Hydrocarbon Receptor as a new target
	Max-Planck-Institute for Molecular Genetic, Berlin,	parti	Seeking for Transgenerational Effects (Maternal Effects	<mark>월</mark> 10.15	Marco Boks, Brain Center Rudolf Magnus, Utrecht,	icipa	Immunobiology and Epigenetics, Germany		for Nutrients and Food derived compounds
	Germany Analysing transcriptional landscapes of dietary	Lon	vs Epigenetics) of Diet Quality in Clones - Ecophysiological and RNA-seq approaches	ticip	The Netherlands	part	Trim28 haploinsufficiency induces stochastic epigenetic obesity	10.45	Coffee break *
	molecules	10.30	Karoline Meyer , University Medical Center	n par	Understanding the biology of nutritional risk for schizophrenia; exploring the epigenetic marks of	from	epigenetic obesity	10.45	Collee bleak
		ntati	Groningen (UMCG), Groningen, The Netherlands	from	maternal famine	<mark>6</mark> 10.30	Alice Matone, The Microsoft Research, University of	<mark>ឌ</mark> 11.15	Claudia Muñoz-Yáñez, Universidad Juárez del
17.15	Coffee break*	lrese	Lifestyle factor smoking: Effects on Prenatal	tions		entat	Trento Centre for Computational Systems Biology	cipar	Estado de Durango, Mexico
17 45	Valerie Nanalieni Innovation Dala for Conomics	tedp	Programming?	10.30	Veronica Valli , University of Bologna, Cesena, Italy	prese	(COSBI), Rovereto, Italy	parti	Analysis of the contribution of PPAR-gamma, FTO and
17.45	Valerio Napolioni , Innovation Pole for Genomics, Genetics and Biology, Perugia, Italy	unit diagram 2013 10.45	Coffee break*	pres	Investigating adipocytes differentiation: DNA methylation status, proadipogenic gene expression,	cted	Aerobic fitness of healthy adults in relation to metabolomic and transcriptomic response to acute	Lom	ADIPOQ genes to lipid profile in Mexican children
	Gene-diet-disease interactions and personalized	0, 10110		cted	and inhibition by food bioactives	Selec	metabolic challenges	5 11.30	Sébastien Lacroix, System nutrition, The Microsoft
	medicine	11.15	Session 3:	Sele				ntati	Research - University of Trento Centre for
10.20			Interaction of Bioactive Food Components	10.45	Coffee break*	10.45	Coffee break*	rese	Computational and Systems Biology (COSBI),
18.30	Francesco Galli , University of Perugia, Laboratory of Nutritional and Clinical Biochemistry, University of		with Genes Chair: Barbara T Alexander, Marianne Rots	11.15	Keynote lecture: Barbara T Alexander, Medical	11.15	Inga C. Teller, Early Life Nutrition, Developmental	ted p	Rovereto, Italy Identification of nutrient metabolism-related genes
	Perugia, Italy		Chair. Darbara l'Alexander, Marianne Rots	11.15	Centre University of Mississippi, Jackson, U.S.A.	11.15	Physiology, Nutricia Research, Utrecht, The	elect	with high allele frequency differentiation between
	What genes and metabolites can tell us about healthy	11.15	Ina Bergheim, Department of Nutritional Sciences,		The impact of nutritional insults during fetal life on		Netherlands	S	1000 Genomes populations
	lifestyles? The MEDINET project		Model Systems of Molecular Nutrition, Friedrich-		blood pressure		Nutritional programming of adult metabolic health by		
10 15	Discussion		Schiller-University Jena, Germany	10.15	Cinzia Nasuti , University of Camerino, Italy		dietary lipid quality and structure	11.45	Discussion
19.15	Discussion		Non-alcoholic fatty liver disease (NAFLD): Interaction of nutrition, gut and liver	12.15	Early life pesticide exposure and long-term health	12.00	Raffaele De Caterina, G. d'Annunzio University,	12.00	Round table: Insights into nutrigenomics
20.00	Welcome party*		er natilien, gat and mei		effects	12.00	Chieti, Italy	12.00	future and career info for nutrigenomics specialist
		12.00	Giovanni Scapagnini, University of Molise,				Nutrigenetics and Cardiovascular Diseases		Inga C. Teller, Developmental Physiology/Early
21.30	Social event		Campobasso, Italy	13.00	Discussion	12.45	Discussion		Development/ Nutricia Research, Utrecht, The
			Modulation of Nrf2/ARE pathway by food polyphenols: a nutritional neuroprotective strategy for cognitive	13.15	Lunch*	12.45	Discussion		Netherlands Torsten Plösch , Dept Obstetrics and Gynaecology,
			and neurodegenerative disorders	13.15	Lunch	13.00	Lunch *		University Medical Center Groningen, The
				15.00	Session 5:				Netherlands
		12.45	Discussion		Nutrigenomics and cancer	15.00	Session 7:		Stefano Lorenzetti , Istituto Superiore di Sanità, ISS,
		13.00	Lunch*		Chair: Clarissa Gerhauser and Inga C. Teller		Nutrition and aging Chair: Claudia Nunes dos Santos, Raffaele		Roma, Italy
		15.00	Lunch	15.00	Ramona Suharoschi, University of Agricultural		De Caterina	12.30	Foresight Session:
		14.30	Claudia Nunes Dos Santos, IBET and ITQB, Oeiras,		Sciences and Veterinary Medicine of Cluj-Napoca,				Communication strategies to the general public
			Portugal		Romania Faculty of Food Science & Technology	15.00	Vadim Fraifeld, Ben-Gurion University of the		Sofia Kuhn, Science Communications Professional
			Potential of berries polyphenols for preventing age-related neurodegeneration: omics insights		Institute of Life SciencesMolecular Nutrition Lab - (Genomics&Proteomics), Cluj, Romania		Negev, Beer Sheva, Israel From the longevity genes to the longevity network:		Muninn: Managing and promoting science
			age related neuroacgeneration. onnes insignts		Advanced Analytical Techniques for Nutrigenomics in		does it make sense?	13.00	Closing remarks
		15.15	Gary Williamson, Functional Foods Research		Nutritional Intervention. Perspectives in Personalized				5
			section: Food Chemistry and Biochemistry at		food / Personalized nutrition	15.45	Marco Malavolta, INRCA, Ancona, Italy	13.15	Lunch*
			School of Food Science and Nutrition of University of Leeds, UK	15.45	Wim Van den Berghe , Department Biomedical		Cellular Senescence Modulators: an eye on food derived compounds		
			Interaction of polyphenols with transporters:	15.15	Sciences - University Antwerp PPES lab Protein		uchica compounds		
			consequences for cellular metabolism		Science, Proteomics & Epigenetic Signaling Campus	16.30	Coffee break*	* How to	Apply Nutrigenomics knowhow:
		16.00	Coffee breek*		Drie Eiken, Wilrij (Antwerp) Belgium Enigenetic impact of diotary phytomologylog in	17.00	Alfrede Martinez Illuiversidad de Martinez		reak and lunch will be prepared according to the
		16.00	Coffee break*		Epigenetic impact of dietary phytomolecules in cancer & cardiovascular disease: lifelong remodeling of	17.00	Alfredo Martinez , Universidad de Navarra, Pamplona, Spain	indicatio	ons of a team of nutritionists that will select specific
		16.30	Zohar Karem, Food Chemistry, Institute of		our epigenomes		Epigenetic effects of nutrients		ased on a healthy diet and knowledge on the effects of
			Biochemistry, Food Science and Nutrition, Robert H.						acro-nutrients and active food compounds on genes. In will have its specific indication: i.e. at coffee break
			Smith Faculty of Agriculture, Food and Environment The Hebrew University of Jerusalem, Israel	16.30	Coffee break *	17.45	Discussion		t types of tea will be offered and the activities of the
			From fatty acids to sterols - extra virgin olive oils	<mark>₽</mark> 17.00	Maria Streber, INCMNSZ, Mexico City, Mexico	18.00	Poster Session		e compounds will be underlined. This approach will
				cipan	Development of spontaneous neoplasms in a model of			•	o show us how nutrigenomics knowhow can be to daily diet.
		17.15	Petra Matoušková, Charles University in Prague,	parti	Maternal Protein Restriction (MPR)	19.00	Dinner*	applied	to daily diet.
		ticip	Czech Republic. Effect of green tea catechins on obesity-induced	united states and stat	Marie Pier Scott-Boyer, The Microsoft Research -	21.30	Social event	Local Nu	utritionist Team
		n par	microRNAs and their involvement in selected enzymes	ons f	University of Trento Centre for Computational and	21.50	Social event		Saturni, Nutrition coach
		s fror	regulation	ntati	Systems Biology (COSBI), Rovereto (TN), Italy			Maria Cı Elisa Ma	ristina di Prinzio , Nutritionist Ancini
		tion:		orese	A network view of cofactor - enzyme interactions in				
		17.30	Marcelo L Ribeiro , Sao Francisco University, Bragança Paulista, UNICAMP,Campinas, SP- Brazil	ted p	human nutrition				ition coach with an expert team will provide you with
		l pre:	Yerba mate (llex paraguariensis) effects on the	te 17.30	Discussion				eating. They will be able to offer you a pleasurable
		ected	expression of genes and miRNAs associated with					•	and a more intense experience with healthy food. w well the strict relationship between Diet-Health or
		Sele	adipogenesis	17.45	Poster Session				& Gene but often it is very difficult to apply knowhow
		17.45	Discussion	19.00	Dinner*			daily.	
		17.40		19.00					eout, lunch and dinner during the meeting, will be
		18.00	Poster session	21.30	Social event			transforr	med into opportunities.
		10.00							
		19.00	Dinner*						

Cultural event, Camerino by night: 20.45 guided visit of Camerino

Scientific Committee

Scientific Committee	International Organizing Committee	Registration	Registra				
Michael Müller Norwich Medical School, University of East Anglia, Norwich Research Park, England Rosita Gabbianelli, University of Camerino, Italy Vadim Fraifeld, Ben-Gurion University of the Negev, Israel Raffaele De Caterina, G. d'Annunzio University, Chieti,	Claudia Nunes Dos Santos, IBET and ITQB, Oeiras, Portugal Torsten Plösch, Dept. Obstetrics and Gynaecology University Medical Center Groningen, Groningen, Netherlands		Early Registration Paid Jan 5-Mar 31, 2014	Regular Registration Paid Apr 1- May 31, 2014	Last Registration June 1-10, 2014	 includes Attend Welco Acconnights 	
Italy	Ingemar Pongratz, Pongratz Consulting, Stockolm,	Students* (with accommodation)					
Marianne Rots, Epigenetic Editing, Dept Pathology and	Sweden	· ·	€ 450*	€ 500*	€ 600*	 Cultur 	
Medical Biology - University Medical Center Groningen, Groningen, the Netherlands Claudia Nunes Dos Santos , IBET and ITQB, Oeiras,	Ramona Suharoschi, MD, PhD, University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, Romania Faculty of Food Science & Technology Institute of Life Sciences Molecular Nutrition Lab -	Young Scientist	s** (with accomr € 500*	€650*	Registra represe		
Portugal		Students (witho	out accommodation)			Atten	
Local Organizing Committee	(Genomics&Proteomics), Cluj, Romania		€ 375	€ 425	€ 525	Welco	
Local Organizing Committee Rosita Gabbianelli Cinzia Nasuti		Academic & Res	searcher €400	€ 450	€ 550	CongiCultur	
Donatella Fedeli						Registra	
School of Pharmacy, University of Camerino, Camerino, Italy	All participants will acquire 6 CFU/ECTS	Industry Repres	entative €650	€700	€800	WelcoCulture	
Valerio Napolioni	Medical Doctors, Pharmacists, Biologists	Accompanying	Persons				
Innovation Pole for Genomics, Genetics and Biology,	and Nutritionists have the possibility to acquire		€250	€ 300	€ 350	Accomn	
Perugia, Italy	50 ECM/CME after payment of additional 50 euros	* Master degree and PhD students				Researc Persons	

Registration fee for Students* and Young Scientists**

de:

- endance to all scientific sessions lcome party, lunch, dinner and coffee breaks commodation included at University Campus (5
- hts) ngress bag with published congress materials
- tural events

tration fee for participants and industry sentatives include:

- endance to all scientific sessions
- lcome party, lunch, dinner and coffee breaks
- ngress bag with published congress materials tural events

tration fee for Accompanying Persons includes:

lcome party, lunch, dinner and coffee breaks tural events

nmodation fee for Academic and archer/Industry Representative/Accompanying Persons

Call for Abstracts

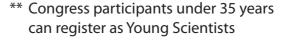
Students and young researchers are invited to submit unpublished research results. Abstract Submission for the Summer School of Nutrigenomics will be open Jan 5-Mar 31, 2014.

Abstract Submission Policies

Abstracts must be work that has not been accepted for publication at the time of submission. All abstract submissions will be peer reviewed and may be submitted as an oral presentation or a poster presentation. An individual may be the First (submitting) Author of only one abstract. The Presenting Author must be the First (submitting) Author and

the individual whose name appears first on the abstract. An abstract must be submitted with the intention that, if accepted, it will be presented by the First Author. There is no limit to the number of times an individual may appear as a co-author on abstracts. All abstract submissions must be in English. All presentations based on accepted abstract submissions must be made in English. ONLY those abstracts submitted via the official abstract submission site will be considered.

Key dates for the 2014 Abstract Program





Jan 5, 2014 Abstract submission site opens Mar 31, 2014 Abstract submission deadline May 31, 2014 Abstract acceptance notifications sent to First Author

100 participants represent the limit number to realize the Summer School on Nutrigenomics

Further information to nutrigenomics@unicam.it



JNICAM Nucleo ideazione e realizzazione grafica, luglio 2014