



Moving forward to Nutrition and Health Research

In this issue

IMDEA Food news
Happening
Interviewing to
Coming soon

Welcome to the March 2010 edition of the IMDEA Food Newsletter. This is the first edition of the Newsletter, which is distributed quarterly to provide information and research achievements emerging from IMDEA Food. IMDEA Food is one of eight research centres established by the Madrid Regional Government to support world-class advanced research. <http://www.food.imdea.org> To subscribe/unsubscribe *see the bottom of this newsletter.*

IMDEA Food news

IMDEA Food launches two innovative research projects

IMDEA Food establishes a new collaboration with the Scientific Park of Madrid, the Autonomía University of Madrid and the University Hospital La Paz for the development of two new research projects. They have started in February 2010.

“New bioactive food ingredients obtained from edible mushrooms. Effectiveness according to genetic profiles”, with the aim of developing a functional food able to effectively

reduce cholesterol levels in serum.

“Gene-nutrient interactions: Analysis of the potential effect of introducing rosmarinic acid in the diet as preventive agents in the development of human colon cancer”, focused on the identification of new genes associated with the development of colon cancer that could be easily modulated by the diet.

In both research projects different gene expression analysis and popu-

lational studies will be developed focused on a personalized nutritional with relevant implications on health maintenance and disease prevention.



IMDEA Food Laboratory

Happening.....

Implementing the strategy of training

IMDEA Food is offering a grant to incorporate a PhD student in these research areas. <http://www.food.imdea.org/CareerOpportunities/tabid/846/Default.aspx>

Implementing the strategy of communication

Internal workshops in “Nutrition and Health” are taking place fortnightly.

Interviewing to

Interviewing to Dr. Ricardo Ramos, technical manager of the Genomic Unit of The Scientific Park of Madrid, and new collaborator of IMDEA

Experience and innovative scientific Services offered by the Genomic Unit of the Scientific Park of Madrid.

The Genomic Unit, to which I belong since 2004, is constituted by two different laboratories located in the two founder Universities of the Scientific Park, UAM and UCM. In addition, we have the technical support of the Bioincubator.

As a whole, technology resources and equipment are developed to ensure the highest quality standards. This advanced and innovative technology in addition to the highly qualified experience of the scientific personnel allows the development or support of any research project in the field of Genomics.

In your opinion, as an expert in Genomics, what is the relevance of these studies, and specifically of Nutrigenomics.

We are reaching the omics disciplines in which thanks to Transcriptomics it is well-known that the individual genetic profile is a deciding factor in our daily life. The identification of the genetic profile associated to physiological or pathological variations in not a far future. By contrast, our current knowledge and technology allows to determining the genetic variants that explain each individual difference.

Diet and genomes interact, and nutrition has a strong impact on human health. Nutrigenomics builds on these omics disciplines of this new era.

Nutrigenetics addresses how an individual's genetic makeup predisposes for dietary susceptibility, and Nutrigenomics asks how nutrition influences the expression of the genome. Defining individual nutritional profiles is to build the science foundation for understanding human variability in requirements and responses to diet, and may constitute the basis for a personalized nutritional guidance for health maintenance and disease prevention.

Added value of these kind of collaborations for scientific community and society.

Scientific collaboration between IMDEA Food and the Genomic Unit in the Scientific Park of Madrid-Cantoblanco constitutes a research project develop-



Dr. Ricardo Ramos

ed by two strong units in the Genomic area focused on common objectives relevant for science and society. On one hand, the Scientific Park of Madrid contributes with the most innovative and advanced technology and the technical experience of its team, and on the other hand, IMDEA Food, besides the technology, contributes with its research projects and a deep scientific knowledge in the area of nutrition and health.

Thus, a close collaboration between them is a relevant and interesting tool in this situation in which ambitious projects with relevant consequences and high impact for science and society is being developed.

Coming soon.....

March 15th, 2010: IMDEA Food will attend to a welcoming act in Fundación Mapfre as a recipient of one of the Research Projects awarded by this institution in the area of "Promoting health by nutrition".

May 3rd, 2010: With the support of Promomadrid and Chamber of Commerce of Madrid, IMDEA Food will take part in the "2010 BIO International Convention", the most important international event in Biotechnology, which will be held in Chicago (USA).

Subscribe/unsubscribe

To subscribe to the e-mail edition of the IMDEA Food Newsletter send an e-mail with subject "subscribe" to contact.food@imdea.org

To unsubscribe, send an e-mail with subject "unsubscribe" to contact.food@imdea.org

In accordance with Spain's Law on Information Society Services and Electronic Commerce and the Organic Law on the Protection of Personal Data, we inform you that the e-mail address of users subscribing to this quarterly newsletter is incorporated into a file, property of IMDEA Food, C/ Einstein, 13-Pabellón C, 1ª planta-I3, 28049 Cantoblanco, Madrid, whose sole purpose is to send by email a newsletter with news about IMDEA Food. Users may exercise the rights of access, objection, rectification and opposition by sending us an e-mail to contact.food@imdea.org.