

Informative day of SCAB

Natural compounds and pest control

Monday March 9, 2015

The growth of pests in the XXI century is one of the most important challenges to be controlled by the agricultural sector and directly influences the feasibility and availability of food for the world population. In the last century the indiscriminate use of pesticides and pesticides to control such pests, has caused significant damage to the environment. Furthermore, in some cases, certain pests have become resistant to these compounds, thus making its use as harmful as useless.

In recent years it is being investigated heavily on the use of natural attractants with influence in the life cycles of these insects themselves. These compounds, termed semiochemicals (semiochemicals), exert a major natural attraction in cycles as reproduction or feeding. The study of these compounds (which are, where they are generated, when, ..), gives an important potential knowledge for possible use as attractants for the control of pests. These compounds, combined with pesticides and pesticide friendly to the environment, provide the ability to synthesize more selective and efficient agrochemicals.

The Central Analysis Service of Bizkaia (SCAB) belonging to the Advanced Research Facilities (SGiker) in Universidad del País Vasco/Euskal Herriko Unibertsitatea, organizes a conference open to research groups, students, technology centers and companies on this subject and the scientific techniques possibilities that the SCAB currently offers in this field will be displayed.

SCAB technician, Dr. Luis Bartolomé, will make a brief introduction about the potential applications of the chromatography unit of the SCAB to develop this type of study and will give way to one of the principal investigators of the Agricultural Research Service of the Department of Agriculture of the US and adjunct associate professor of the University of California At Davis, Dr. John J. Beck. He will be the speaker of the talk about his latest works entitled "Host Plant Volatiles and Pest Control".



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Registration:

Registration is free and there will be a limited number of places recorded in the order of entry.

The deadline for registration will be **March 6, 2015**.

Web address for registration: www.ehu.es/sgiker/jornadas



Agenda*:

Monday, March 9th

HOUR:

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| 09:30 | Presentation of the day and the Central Analysis Service. Dr. Luis Bartolomé |
| 09:45 | "Host Plant Volatiles and Pest Control". Dr. John J. Beck |
| 10:45 | Round of questions |
| 11:15 | Break |
| 11:45 | Visit to the gas chromatography unit of the Central Analysis Service |

*The entire event will be presented in Spanish and English.

Location:

Hall annexed to paraninfo. Faculty of Science and Technology.