



**IUPAC**



## **VII European Symposium**

# **CLINICAL LABORATORY AND *IN VITRO* DIAGNOSTIC INDUSTRY**

## **“Molecular genetics in the clinical laboratory”**

**Barcelona, 28 and 29 May 2013**

**Sala Prat de la Riba  
Institut d'Estudis Catalans  
Carrer del Carme, 47**

***Organized by:***

**Catalan Association for Clinical Laboratory Sciences  
Catalan Biology Society**

*with the collaboration of*  
**Abbott Molecular  
Affymetrix  
Genòmica S.A.U  
BioRad Laboratories Europe**

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***IUPAC sponsored event \*  
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\* IUPAC sponsorship implies that entry visas will be granted to all *bona fide* chemists provided application is made not less than three months in advance. If a visa is not granted one month before the meeting, the IUPAC Secretariat should be notified without delay by the applicant.

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Molecular genetics is one of the disciplines in the clinical laboratory that progresses more quickly. There are a large number of articles daily published in scientific journals, which associate genetic variants with conditions or diseases. This fact confers to the clinical laboratory the difficult role to decide which of these variants have a real medical impact. In addition, an updated knowledge in molecular techniques is also imperative in order to decide the molecular genetics technology of the laboratory, given its complexity, diversity and financial investment that it represents.

The main objective of this symposium is to discuss the impact of molecular genetics on clinical laboratories, how it has affected the organization and where it will evolve in future years.

The symposium will be held in the form of an open discussion between experts in molecular genetics, *in vitro* diagnostic industry representatives and other interested professionals. It is structured in four sessions in which it will be discussed the latest molecular techniques in clinical microbiology, the relevance of pharmacogenetics, the quality assurance of a molecular genetics laboratory and latest trends in prenatal genetic diagnosis.

## **Guest experts**

Miguel Álvarez Tejado, Beatriz Bellosillo Paricio, Ángel Carracedo Álvarez, Vincenzo Cirigliano, Juan Cruz Cigudosa, Gilbert Greub, Míriam Guitart Feliubadaló, Verena Haselmann, Juanjo Hernández Sánchez, Luis Martínez Martínez, Giuseppe Novelli, Josep Oriola Ambrós, Luis Pérez Jurado, Alberto Plaja Rustein, Stuart Schwartz, Àlex Soriano Viladomiu, Joris Vermeesch

## Programme

### Tuesday, 28 May 2013

16:00 **Welcome and presentation of the symposium** Margarita Salvadó Costa

16:30 **Inaugural conference:  
A review of history: the introduction  
of molecular biology in the clinic  
laboratories** Beatriz Bellosillo Paricio

17:15 **Coffee-break**

17:30 **Debate – Molecular diagnostics in  
clinical microbiology** Chairman:  
Jordi Vila Estapé

21:00 **Dinner**

### Wednesday, 29 May 2013

9:00 **Debate– Pharmacogenetics in the  
clinical laboratory** Chairman:  
Montserrat Baiget Bastus

11:00 **Coffee-break**

11:30 **Debate – Quality assurance in  
molecular genetics** Chairman:  
Ariadna Padró Miquel

13:30 **Lunch**

15:00 **Debate – Prenatal molecular  
diagnosis** Chairman:  
Francesc Solé Ristol

17:00 **Conclusions and closure** Ariadna Padró Miquel  
Beatriz Candás Estébanez

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**The official languages of the symposium will be Catalan, Spanish and English, with simultaneous translation of the debates**

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