



Societat Catalana  
de **BIOLOGIA**

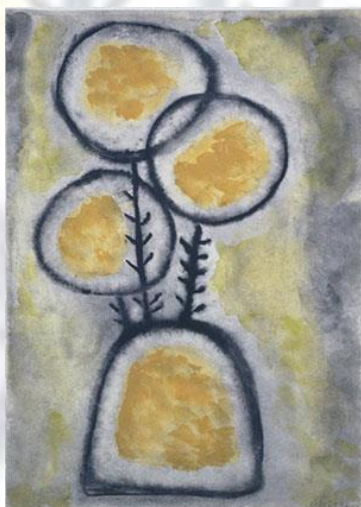


X European Symposium  
**CLINICAL LABORATORY AND *IN VITRO* DIAGNOSTIC INDUSTRY**

# **THE CLINICAL LABORATORY IN THE PREGNANCY MONITORING**

**Barcelona, 4 - 5 April 2019**

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



*"Trois fleurs jeunes"* © Mercè Rodoreda, VEGAP, Barcelona, 2018.

**Organized by:**  
*Catalan Association for Clinical Laboratory Sciences  
Catalan Biology Society*

**With the IFCC and EFLM auspices**



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Roser Ferrer Costa

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Josefina Mora Brugues, Rosa M<sup>a</sup> López Martínez, Elena Casals Font,  
Alba Alumà Trullàs, Maria Rosa Navarro Badal

Pregnancy is a physiological and natural state in the reproductive life of women. However, there are several pathologies that can modify the normal course of pregnancy involving a higher risk for both pregnant women and the fetus. These pathologies need to be detected during pregnancy in order to guarantee the absence of complications or at least to minimize them.

The term *high-risk gestation* has been changing dynamically in accordance with new physiopathological knowledge. The contribution of the clinical laboratory, through the implementation of new biological markers as well as new molecular genetic techniques in the diagnosis, has improved significantly the monitoring and management of pregnant women. The clinical laboratory has also significantly contributed to the updating of analytical protocols in the gestation follow-up, in order to standardize the clinical practice in accordance to clinical guidelines and international recommendations.

The main objective of this symposium is to establish a forum to promote the interrelation between health care professionals and to share different experiences in the application of new pregnancy protocols and technologies in the clinical laboratory.

The symposium will be held in the form of an open discussion among experts in the management of the pregnant women and with the active participation of the audience. It is structured in four sessions in which the following topics will be discussed: the role of the laboratory in the diagnosis and prevention of preeclampsia, the first and second trimester screening for congenital abnormalities and the new incorporation of the cell-free fetal DNA analysis in maternal blood. We will also discuss the impact of new molecular genetic techniques and genetic counseling in prenatal diagnosis, and finally, we will debate infectious diseases of vertical transmission, with special emphasis on those newly described in the local and international protocols.

## Program

### Thursday, 4 April 2019

- 16.00 Welcome and Symposium presentation  
**ROSER FERRER COSTA**
- 16.15 Inaugural conference  
**EDUARD GRATACÓS**, Maternofetal Medicine, Hospital Clínic. Director of the Clinical Institute of Gynecology and Obstetrics (ICGON) and BCNatal.
- 17.15 Coffee-break
- 17.30 Debate: Preeclampsia: clinical laboratory role in the diagnosis and prevention  
  
Chairman: **JOSEFINA MORA BRUGUÉS**, Laboratories Sant Pau, Biological Diagnosis, Hospital de la Santa Creu i Sant Pau  
  
Speakers: Elisa Llurba Olivé, Rosa M. López Martínez, Josep Sabrià Rius, Francesc Figueras Retuerta, Belén Santacruz Martín
- 21.00 Dinner

### Friday, 5 April 2019

- 9.00 Debate: Prenatal Diagnosis of Congenital Aneuploidies: First and second trimester screening and cell-free fetal DNA analysis in maternal blood  
  
Chairman: **ELENA CASALS FONT**, Consultant Hospital Clínic, center of Biomedical Diagnosis, Biochemistry and Molecular Genetics  
  
Speakers: M. Alba Alumà Trullàs, Mercè Armelles Sebastià, Maria Antolín Maté, Carmina Comas Gabriel

11.00 Coffee-break

11.30 Debate: Prenatal molecular diagnosis and genetic assessment

Chairman: **ARIADNA PADRÓ MIQUEL**, Area of Molecular Genetics,  
Clinical Laboratory, University Hospital of Bellvitge

Speakers: Benjamín Rodríguez Santiago, Neus Baena Díez, Ignacio  
Blanco Guillermo, Alberto Plaja Rustein

13.30 Lunch

15.00 Debate: Vertically transmitted infections

Chairman: **MARIA ROSA NAVARRO BADAL**, Laboratori Clínic Atenció  
Primària de l'Hospitalet

Speakers: Juliana Esperalba Esquerra, Anna Gonce Mellgren, Isabel  
Sanfeliu Sala, Eva Dopico Ponte, Ana Blanco Suárez

17.00 Conclusions and closure

*The language of the Symposium will be mostly Catalan. Some interventions may be in Spanish or in English.*

**Registrations at:**

<http://www.iec.cat/jornades/laboratoriclinic2019.asp>

***With the collaboration of corporative members:***



***and the collaboration of:***



## Guests experts

### **M. Alba Alumà Trullàs**

Laboratori Clínic de la Metropolitana Nord  
Hospital Germans Trias i Pujol  
Badalona, Catalunya

### **Maria Antolín Maté**

Laboratori de Genètica  
Hospital Universitari Vall d'Hebron  
Barcelona, Catalunya

### **Mercè Armelles Sebastià**

Cos d'Especialistes en Salut Pública  
Generalitat de Catalunya  
Barcelona, Catalunya

### **Neus Baena Díez**

Laboratori de Genètica de la UDIAT-CD  
Corporació Sanitària Parc Taulí  
Sabadell, Catalunya

### **Ignacio Blanco Guillermo**

Programa Assessorament i Genètica Clínica  
Hospital Germans Trias i Pujol  
Badalona, Catalunya

### **Ana Blanco Suárez**

Àrea de Microbiologia  
Laboratori Catlab  
Viladecavalls, Catalunya

### **Carmina Comas Gabriel**

Servei d'Obstetrícia  
Hospital Germans Trias i Pujol  
Badalona, Catalunya

### **Eva Dopico Ponte**

Laboratori Clínic Territorial Metropolitana  
Institut Català de la Salut  
L'Hospitalet (Barcelona)

### **Juliana Esperalba Esquerra**

Servei de Microbiologia  
Hospital Universitari de la Val d'Hebron  
Barcelona, Catalunya

### **Francesc Figueras Retuerta**

Servei de Ginecologia i Obstetrícia  
Hospital Clínic  
Barcelona, Catalunya

### **Ana Gonce Mellgren**

Unitat d'Infeccions Perinatals  
Servei de Ginecologia i Obstetrícia  
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Barcelona, Catalunya

### **Elisa Llurba Olivé**

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### **Rosa M. López Martínez**

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### **Alberto Plaja Rustein**

Àrea de Genètica Clínica i Molecular  
Hospital Universitari de la Vall d'Hebron  
Barcelona, Espanya

### **Benjamín Rodríguez Santiago**

Servei de Genètica  
Hospital de la Santa Creu i Sant Pau  
Barcelona, Catalunya

### **Josep Sabrià Rius**

SBP Software  
Girona, Catalunya

### **Isabel Sanfeliu Sala**

Servei de Laboratori (Microbiologia)  
Corporació Sanitària parc Taulí  
Sabadell, Catalunya

### **Belén Santacruz Martín**

Servei de Ginecologia i Obstetrícia  
Hospital Universitari de Torrejón  
Torrejón de Ardoz, Madrid