



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



President

Roser Ferrer Costa

Technical Secretary

Ariadna Padró Miquel

Advisory Board

Josefina Mora Bruges, Rosa M^a 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
- 20.30 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

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:

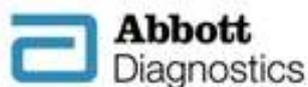
<http://www.iec.cat/jornades/laboratoriclinic2019.asp>

Accreditation



Activitat acreditada pel Consell Català de Formació Continuada de les Professions Sanitàries amb **0,9 Crèdits** i registrada amb el núm. **09/024362-BG**

With the collaboration of corporative members:



and the collaboration of:



Participaran com a 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

Servei de Salut Maternoinfantil
Departament de Salut
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

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 Perinatales
Servei de Ginecologia i Obstetrícia
Hospital Clínic
Barcelona, Catalunya

Elisa Llurba Olivé

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

Rosa M. López Martínez

Laboratori Clínic
Hospital Universitari de la Vall d'Hebron
Barcelona, Catalunya

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