Dra. Laura Rueda

Responsible scientist for NIPT, SYNLAB Barcelona.

PhD research focused in cffDNA. Faculty staff in Molecular Genetics department Synlab Barcelona for more than 18 years, specialized in prenatal diagnosis, both invasive and NIPT.

ACTIVIDADES ACADÉMICAS

2016 Título de Doctora en Biología Celular

2004-2016 Doctorado en Biología Celular

2007 Master en Biología Celular (Suficiencia Investigadora)

Título DEA (Diploma de Estudios Avanzados)

2006-2009 PhD student en Special Non-Invasive Advances in Fetal and Neonatal Evaluation Network of Excellence (SAFE)

1996-2002 Licenciatura de Biología. Universitat Autònoma de Barcelona.

Título de Licenciada en Biología

ACTIVIDADES PROFESIONALES

2018-Actual Facultativo responsable de área.

Departamento de Biología y Genética Molecular, Synlab Diagnostics.

2004-2018 Facultativo.

Departamento de Biología y Genética Molecular, General Lab, LABCO Iberia. Synlab Diagnostics.

2002-2006 Embrióloga.

Laboratorio de Reproducción Asistida, Servicio de Ginecología y Obstetrícia, Hospital Materno-Infantil Vall d'Hebrón

ACTIVIDADES CIENTÍFICAS

PUBLICACIONES NACIONALES

Rueda L, Márquez C, Cirigliano V.

Desarrollo de un protocolo para el diagnóstico genético preimplantacional de la enfermedad de Steinert o Distrófia Miotónica tipo 1.

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PUBLICACIONES INTERNACIONALES

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Identificación de anomalies cromosómicas fetales mediante NIPT Genomewide
III Congreso interdisciplinar en Genética Humana, Valencia, 2021

V. Cirigliano, E. Ordoñez, L. Rueda, S. Nicolás, M. Grau, I. Castilla, C. Puertollano, M. Lechuga, M. Cañadas

Clinical application of paired-end MPSS for cfDNA screening of common aneuploidies in average risk pregnancies.

European Society of Human Genetics Annual Conference, Barcelona, 2018

V. Cirigliano, E. Ordoñez, L. Rueda, I. Castilla, M. Grau, C. Fuster, M. P. Cañadas

Clinical validation of the Neobona test, a new paired-end MPSS approach for cfDNA based aneuploidy screening.

European Society of Human Genetics Annual Conference, Barcelona, 2016

V. Cirigliano, E. Ordoñez, L. Rueda, I. Castilla, M. Grau, C. Fuster, M. P. Cañadas

First clinical application of paired-end MPSS for cfDNA based prenatal screening of aneuploidies.

European Society of Human Genetics Annual Conference, Barcelona, 2016

Vincenzo Cirigliano, Elena Ordoñez, Laura Rueda, Paz Cañadas, Maria Moreno, Bibiana Palao

cfDNA based aneuploidy screening in Spain, results of one-year clinical application. ISPD 18th International Conference on Prenatal Diagnosis and Therapy, Brisbane, 2014

E. Ordoñez, L. Rueda, E. Lloveras, A. Plaja, V. Cirigliano

Prenatal Diagnosis by aCGH on Uncultured Prenatal Samples. Validation Study. European Society of Human Genetics Annual Conference, París,2013

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origin by STR analysis of fetal DNA in maternal plasma. ECA, Estocolmo Julio 2009

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Alternative testing strategy for first trimester prenatal diagnosis in CVS. ECA, Estocolmo Julio 2009

V. Cirigliano, G. Voglino, E. Ordoñez, P. Cañadas, L. Rueda, C. Fuster, M. Adinolfi
Large scale application of QF-PCR for rapid prenatal diagnosis of common chromosome aneuploidies, results of nine years clinical experience. European society of Human Genetics Conference (ESHG). Viena Mayo 2009

E. Ordoñez, L. Rueda, P. Cañadas, C. Mediano, C. Fuster, V. Cirigliano.

Evaluation of automated DNA extraction for non invasive prenatal diagnosis using free fetal DNA in maternal plasma. European society of Human Genetics Conference (ESHG 2009). Viena Mayo 2009

E. Ordoñez, L. Rueda, M. Lozano, P. Cañadas, C. Fuster, V. Cirigliano.
Non invasive prenatal detection of two RHD gene exons and fetal sex using cell free fetal DNA in maternal plasma. European Society of Human Genetics Annual Conference. Barcelona, 2008

Rueda L, Ordóñez E, Cañadas MP, Puszyk WM, Crea F, Old RW, Hultén MA, Fuster C and Cirigliano V.
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E. Ordoñez, P. Cañadas, M. Ejarque, L. Rueda, A. Plaja, A. Sánchez, C. Mediano, I. Farran, C. Fuster and V. Cirigliano.

Rapid prenatal detection of common chromosome aneuploidies and zygosity in multiple pregnancies by Quantitative Fluorescent PCR (QF-PCR). 5th European Cytogenetics Conference. Madrid, 2005