

Reg. 2017.1225.01

Dr. Joan Xavier Comella Carnicé, as Director of "Fundació Hospital Universitari Vall d'Hebron - Institut de Recerca" (VHIR) Barcelona,

**CERTIFIES:**

That the following projects have been granted to the **hepatic diseases group**:

1. Project PI14/01416, funded by **Instituto de Salud Carlos III**. Title: '**Análisis de la interacción de los virus de la hepatitis B y D con el receptor del hepatocito y estudio prospectivo de la complejidad de sus quasiespecies virales**'. From 2015 to 2017. The principal investigator is Maria Buti Ferret, PhD.
2. Project GLD14-00296, funded by **Gilead Sciences SL**. Title '**Prevalence of virological and host factors involved In HBV entry: complexity of presS1 HBV regions and main polymorphism of putative HBV liver receptor**'. From 2014 to 2016. The principal investigator is Francisco Rodriguez Frias, PhD.
3. Project PI15/00856, funded by **Instituto de Salud Carlos III**. Title: '**Búsqueda de posibles dianas terapéuticas en la región del gen x del virus de la hepatitis B en base al estudio de conservación de dicha región mediante secuenciación masiva.**'. From 2016 to 2018. The principal investigator is Francisco Rodriguez Frias, PhD

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Pg. Vall d'Hebron, 119-129  
08035 Barcelona  
Tel. +34 93 489 41 87  
Fax +34 93 489 41 02  
a/e [institutrecerca@vhir.org](mailto:institutrecerca@vhir.org)

For the record, signs this certificate



A handwritten blue signature is placed over the Vall d'Hebron logo. The signature appears to be in cursive and is somewhat abstract, but it includes the letters 'J', 'C', and 'A' which likely stand for Joan Xavier Comella Carnicé.

Vall d'Hebron  
Institut de Recerca

Joan Xavier Comella Carnicé, PhD

Barcelona, 19th of December of 2017