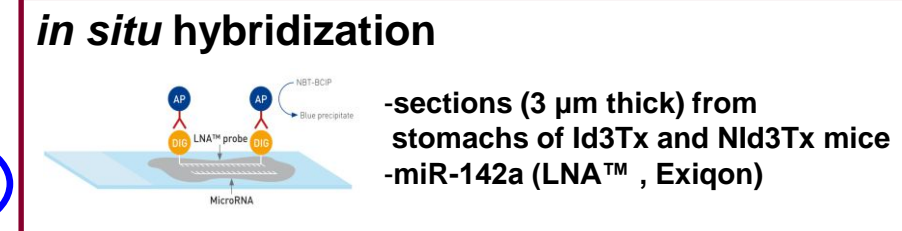
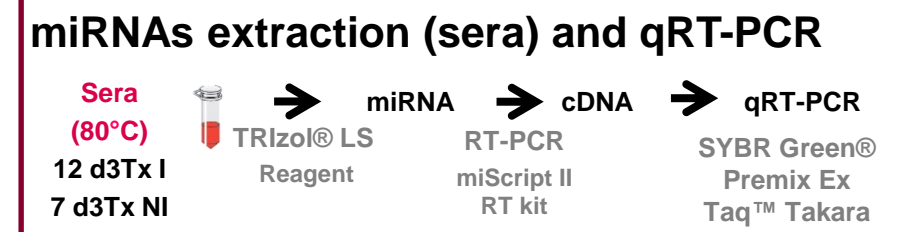
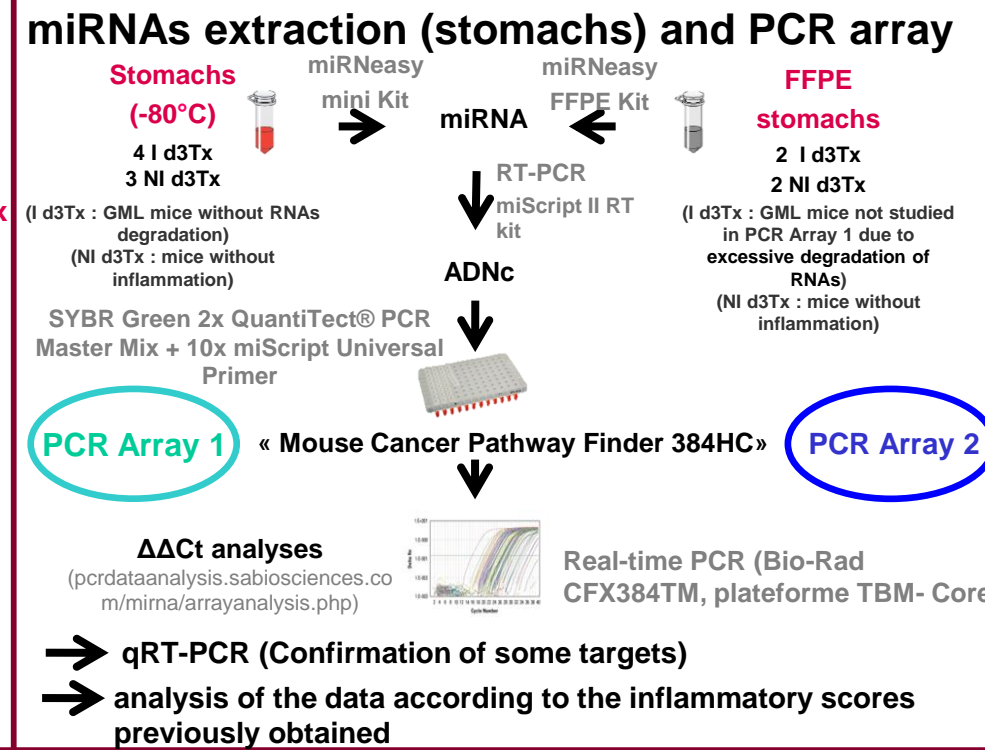
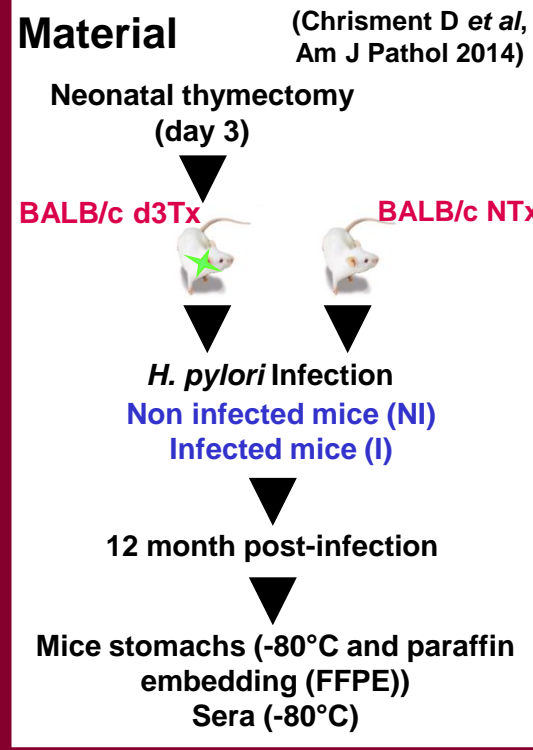


## Introduction and aim

*Helicobacter pylori* (*H. pylori*) infection is considered an excellent model of chronic inflammation-induced tumor development. Our project focuses on gastric MALT lymphoma (GML), a severe disease which originates from a chronic inflammatory process initiated by *H. pylori*. Recently, microRNAs (miRNAs) have emerged as a new class of gene regulators and play a key role in inflammation and carcinogenesis acting as oncogenes or as tumor suppressors. The precise characterization of the role of miRNAs in the development of inflammation and their contribution in regulating responses of host cells to infection by *H. pylori* have been little explored. Our goal was to analyze the miRNAs specifically induced in a mouse model of GML previously described by the laboratory using BALB/c mice thymectomised at day 3 post-birth (d3Tx model) (Chrisment D *et al.*, Am J Pathol 2014) and to clarify their implication in GML pathogenesis.

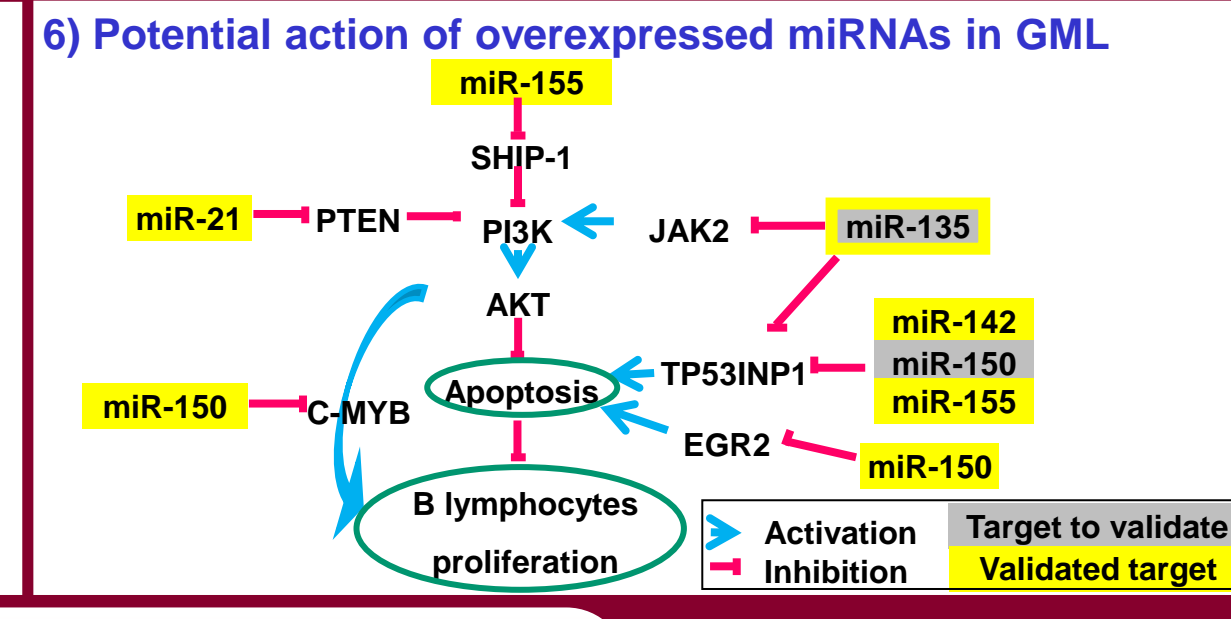
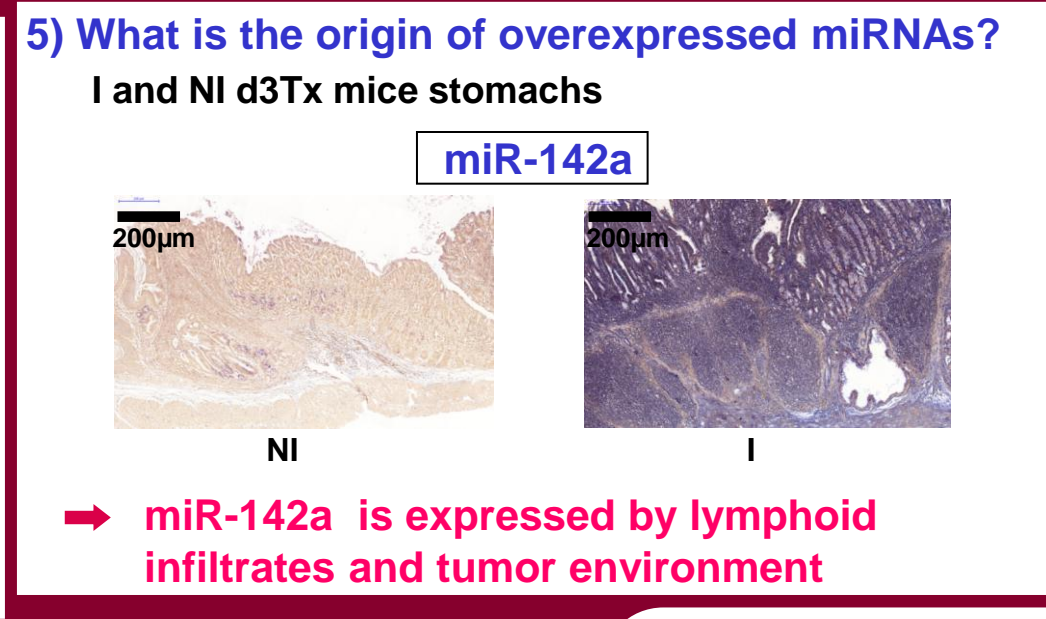
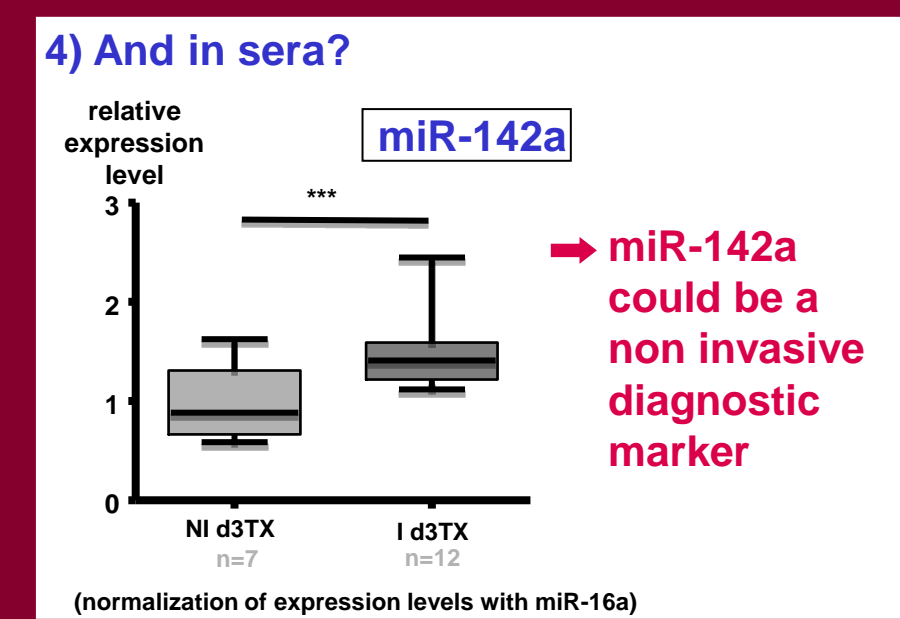
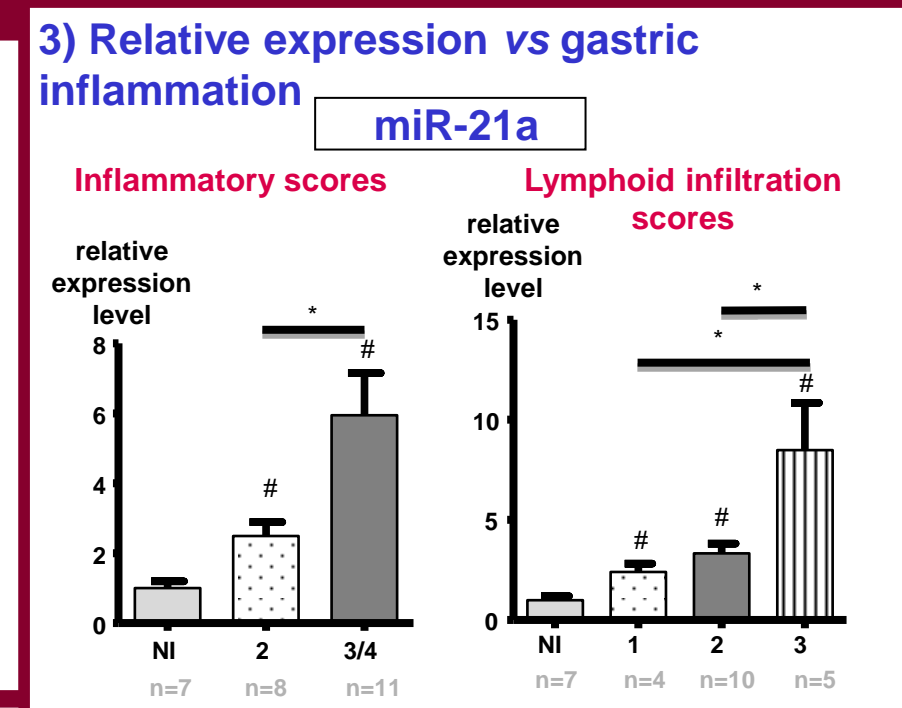
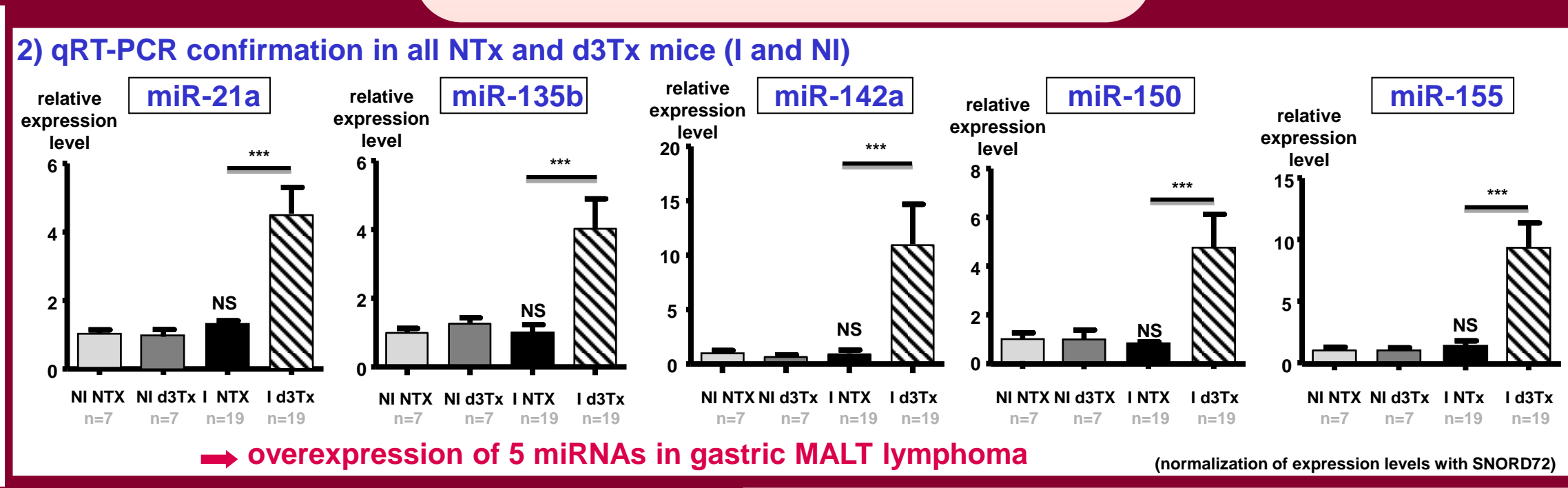
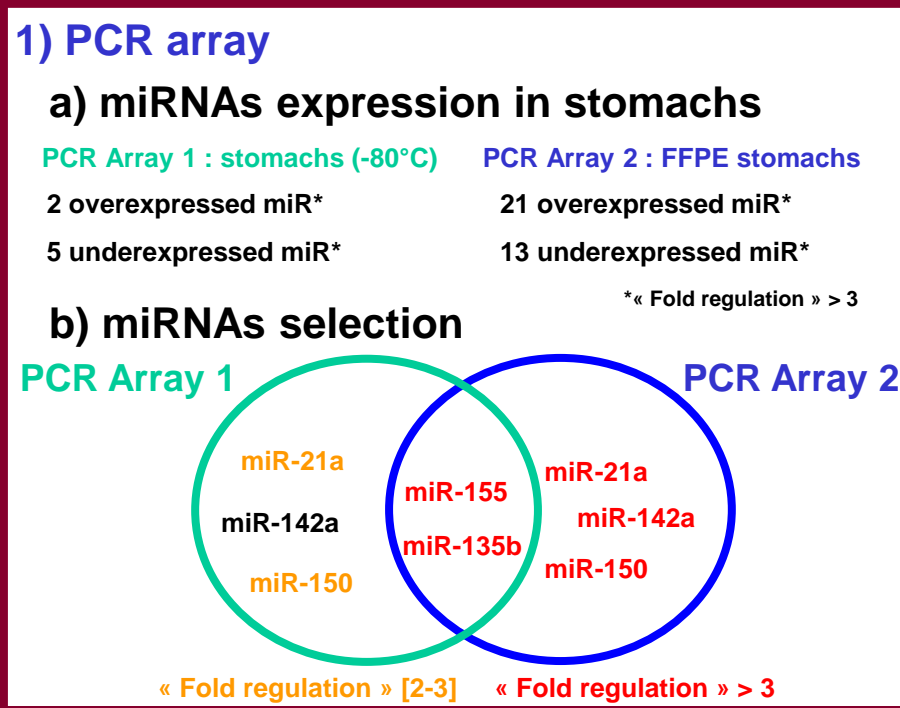
## Material and Methods



**Bioinformatic analysis of predicted targets**

- online prediction site (TargetScan) <http://www.targetscan.org>
- overexpressed miRNAs common targets?

## Results



Saito *et al.*, 2012  
Gebauer *et al.*, 2014  
Lawrie *et al.*, 2012  
Sheedy *et al.*, 2015  
Thorns *et al.*, 2012  
Wu *et al.*, 2010  
Xiao *et al.*, 2007

## Conclusion-Discussion

Overexpression of these 5 miRNAs could play a critical role in the pathogenesis of GML. The analysis of these miRNAs in human biopsies or histological sections would validate their deregulation at GML stage and define potential new therapeutic targets.