### **Closing Remarks**

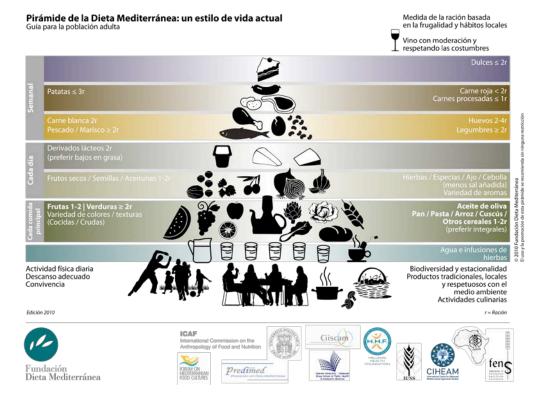
Rosa M. Lamuela



February 16<sup>th</sup>-18<sup>th</sup>, 2017 Logroño (La Rioja-Spain) Riojaforum

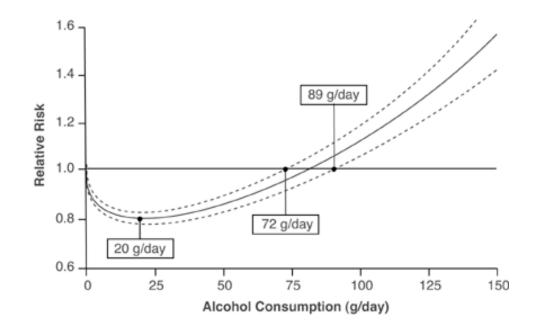


# Wine should be consumed within the frame of a healthy diet (Mediterranean or Japanese diets) and lifestyle.





#### The traditional J-curves is still alive and confirm the relationship between moderate alcohol intake and cardiovascular disease and mortality



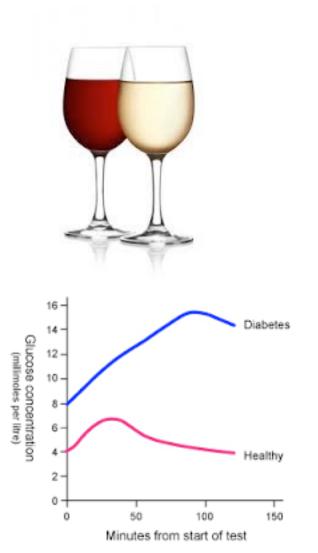




Red wine consumption is inversely associated with waist circumference and obesity, probably due to their polyphenolic content.

Grape purple juice intake has anti-obesity effects on gestacional weight.





A glass of white and red wine may help to improve blood sugar levels. Alcohol consumption is linked to a significant decreased risk for type 2 diabetes.



## Light to moderate wine intake lowers dementia risk.





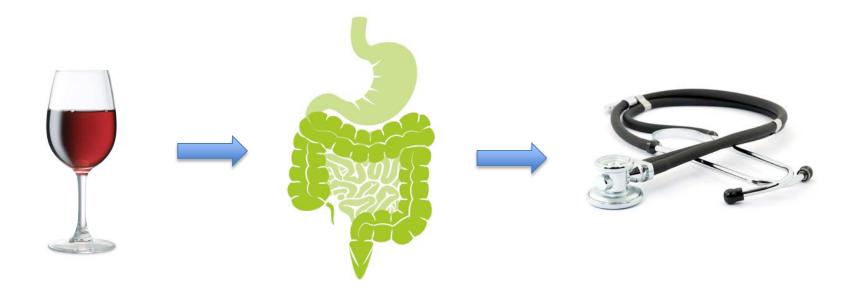
High alcohol intake is associated with a higher risk of upper digestive tract, colorectal, liver and female breast cancers, but more studies are needed to evaluate the effects of moderate wine intake in a healthy diet (Mediterranean diet).







#### Wine consumption enhances gut microbiota, which acts as a mediator of some beneficial effects of wine.





- Beneficial effects of moderate wine consumption should be considered by policy makers and scientific dietary guidelines.
- Accurate recommendations on wine consumption in a healthy diet should de transferred to mass media and society.





Randomized intervention trials with wine in humans are needed to establish causality. Control group? Studies in centenarians?







#### Polyphenol metabolites are probably responsible for the health effects of wine but which ones may exert higher effects and mechanisms of action are still unknown.







# Are polyphenols xenobiotics for the body and the microbiota.





#### Donations are really welcome!



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