

# 徐慶琳老師研究室之研究平台與成果

## 保健營養功能評估 研究服務平台

營養系 徐慶琳教授



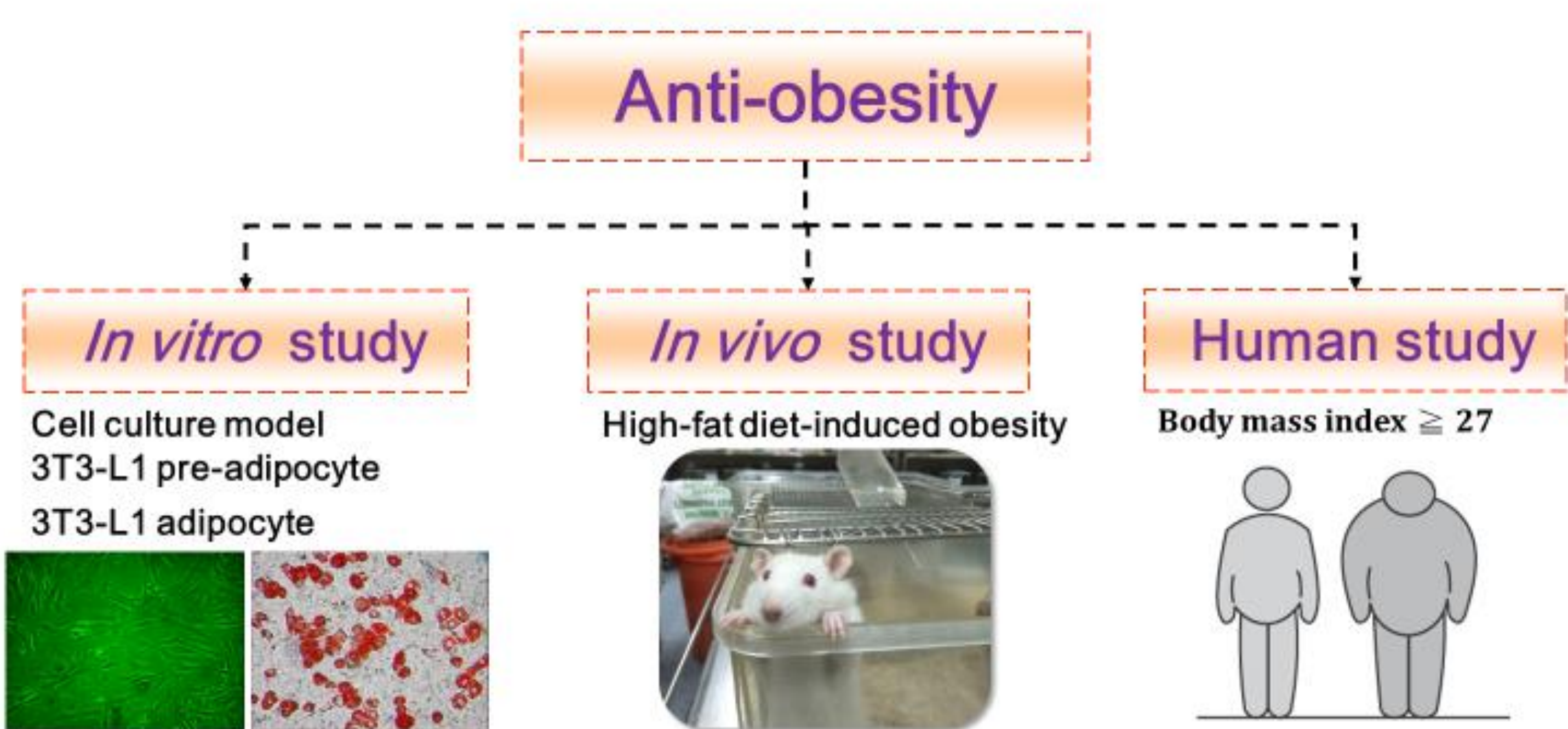
## ●Hsu's lab. 抗肥胖研究成果

Functional ingredient
Gallic acid
Quercetin
Rutin
o-Coumaric acid
Deep sea water
Lactic acid bacteria
EQR formula

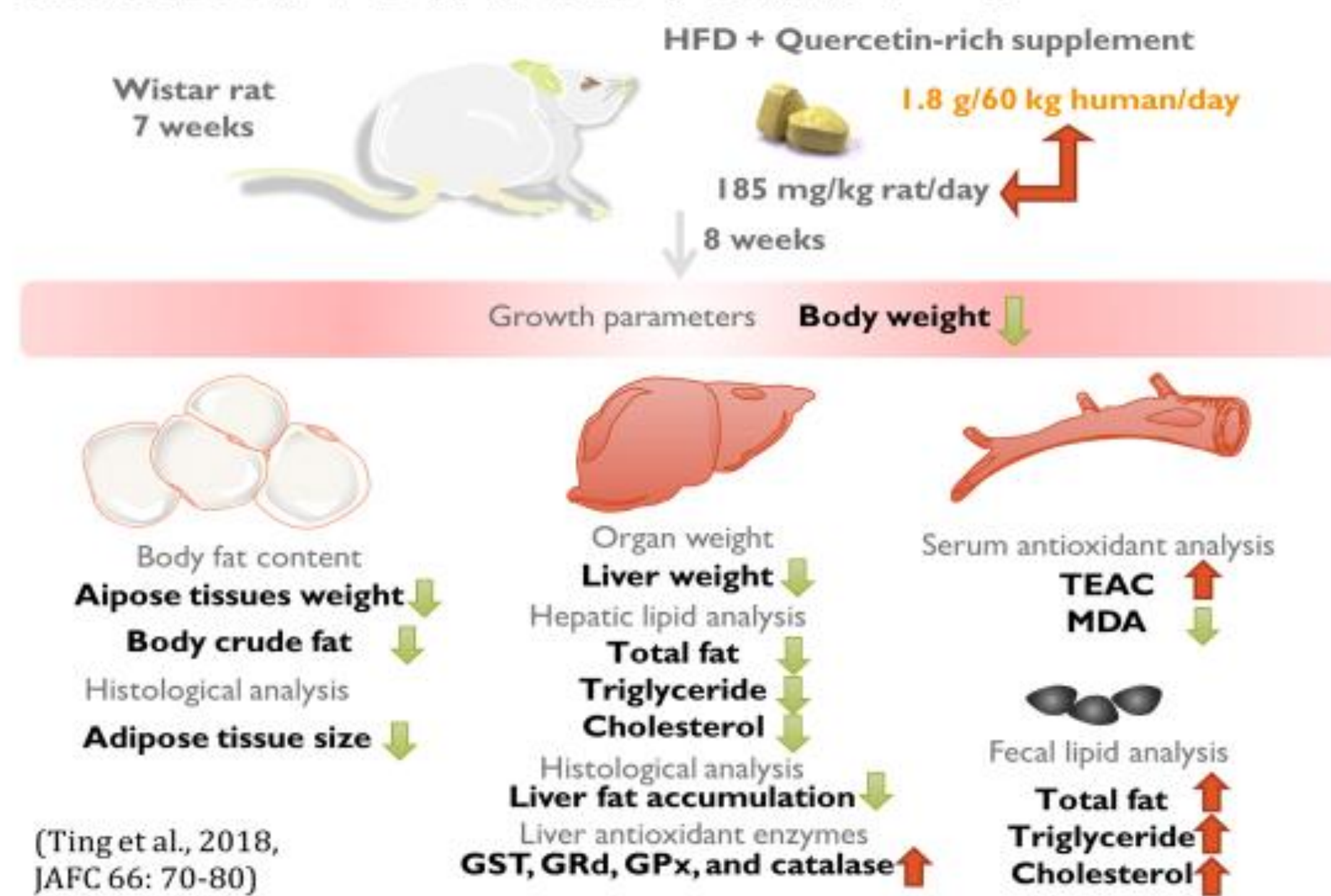


(100萬技術移轉金)  
Mei-Gin formulas  
(Plum extract plus BGE and HTE)

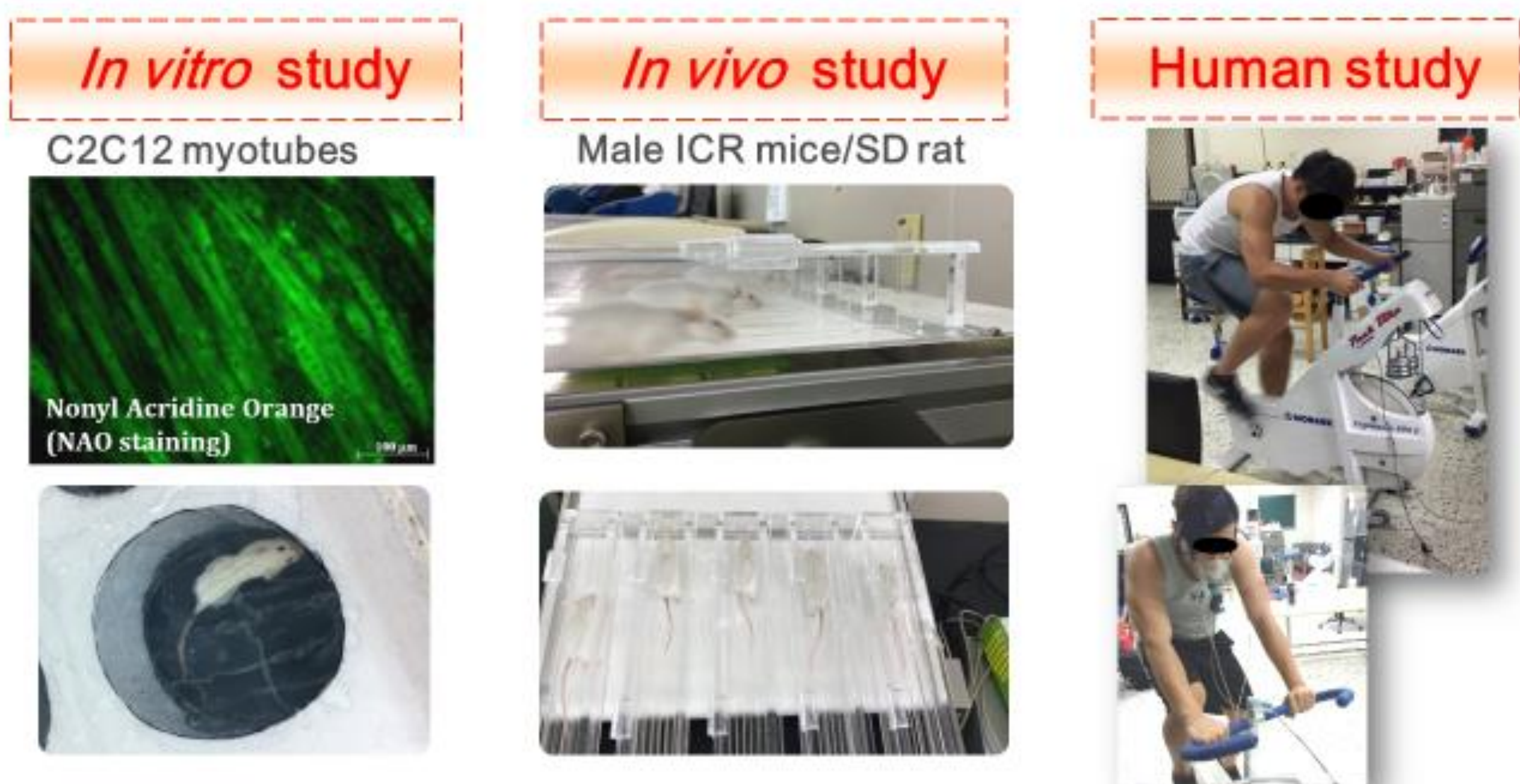
## ●Hsu's lab. 抗肥胖研究平臺



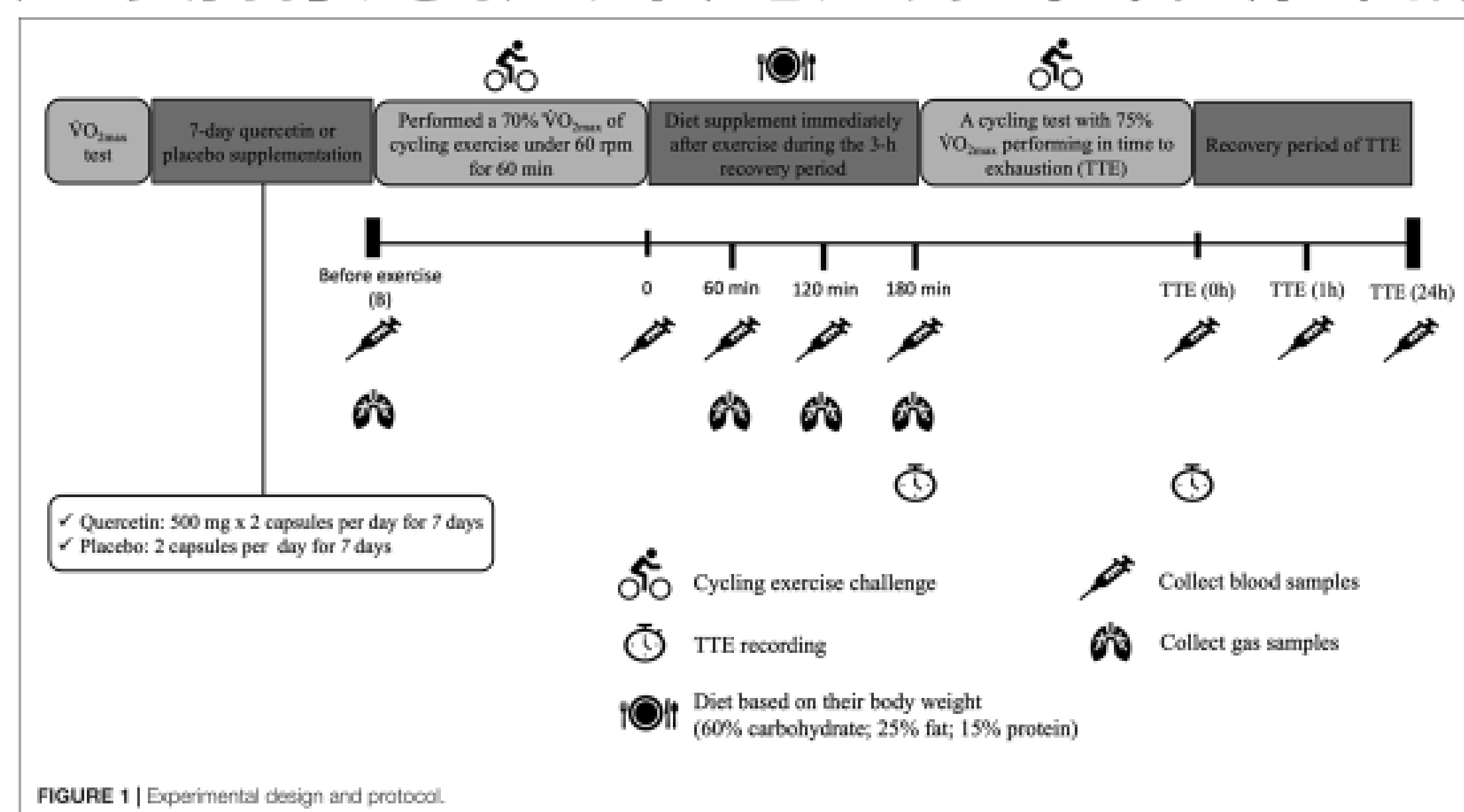
## ●體內抗肥胖動物試驗模式



## ●Hsu's lab. 抗疲勞研究平臺

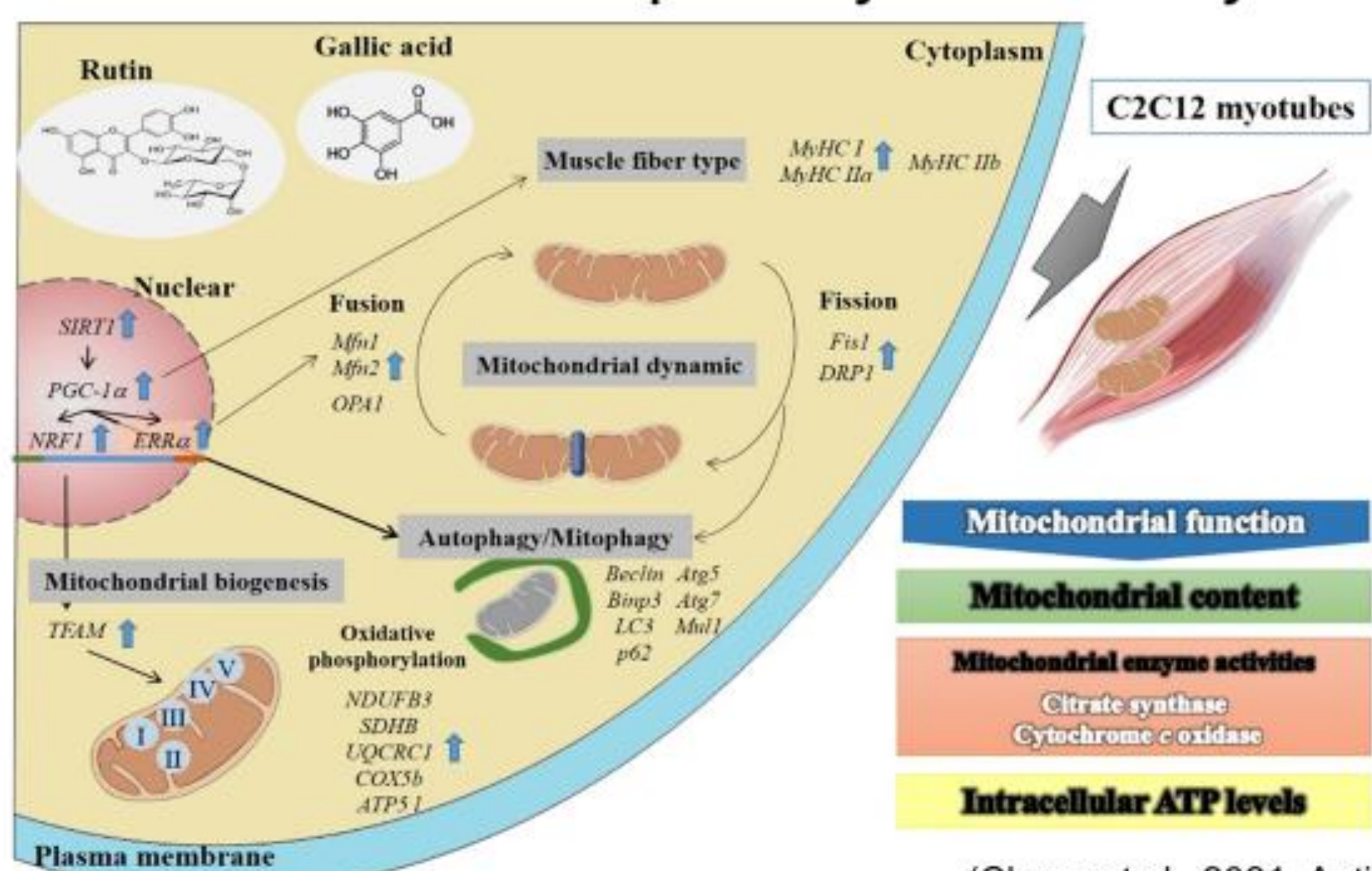


## ●運動耐力提升之人體試食試驗



Tsao J.P., Bernard J.R., Hsu H.C., Hsu C.L.\*, Liao S.F.\* and Cheng I.S.\*(2022) Short-term oral quercetin supplementation improves post-exercise insulin sensitivity, antioxidant capacity and enhances subsequent cycling time to exhaustion in healthy adults: a pilot study. *Front. Nutr.* 9:875319. doi: 10.3389/fnut.2022.875319

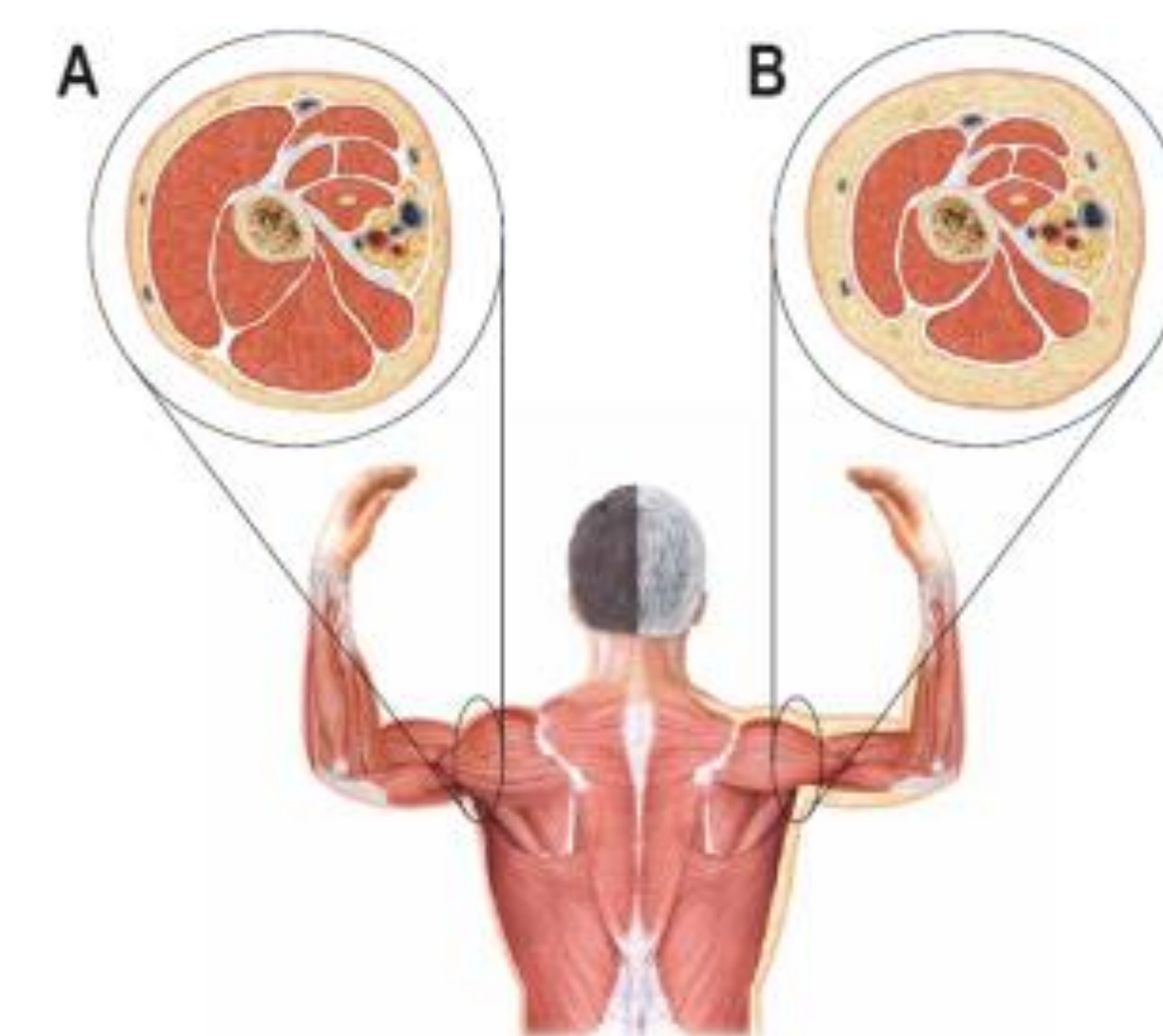
## ●Rutin and gallic acid regulates mitochondrial functions via the SIRT1 pathway in C2C12 myotubes



## ●學術研究的未來

### Sarcopenic obesity

- ◆ 肌少型肥胖或稱為肥胖型肌少症
- ◆ 肌少型肥胖是指隨著老化身體瘦肉量的減少，而伴隨著脂肪量的增加。
- ◆ 建構增肌減脂研究模式



資料來源：Benton et al., 2011；彭等，2016。