

INSULINE SIGNALLING

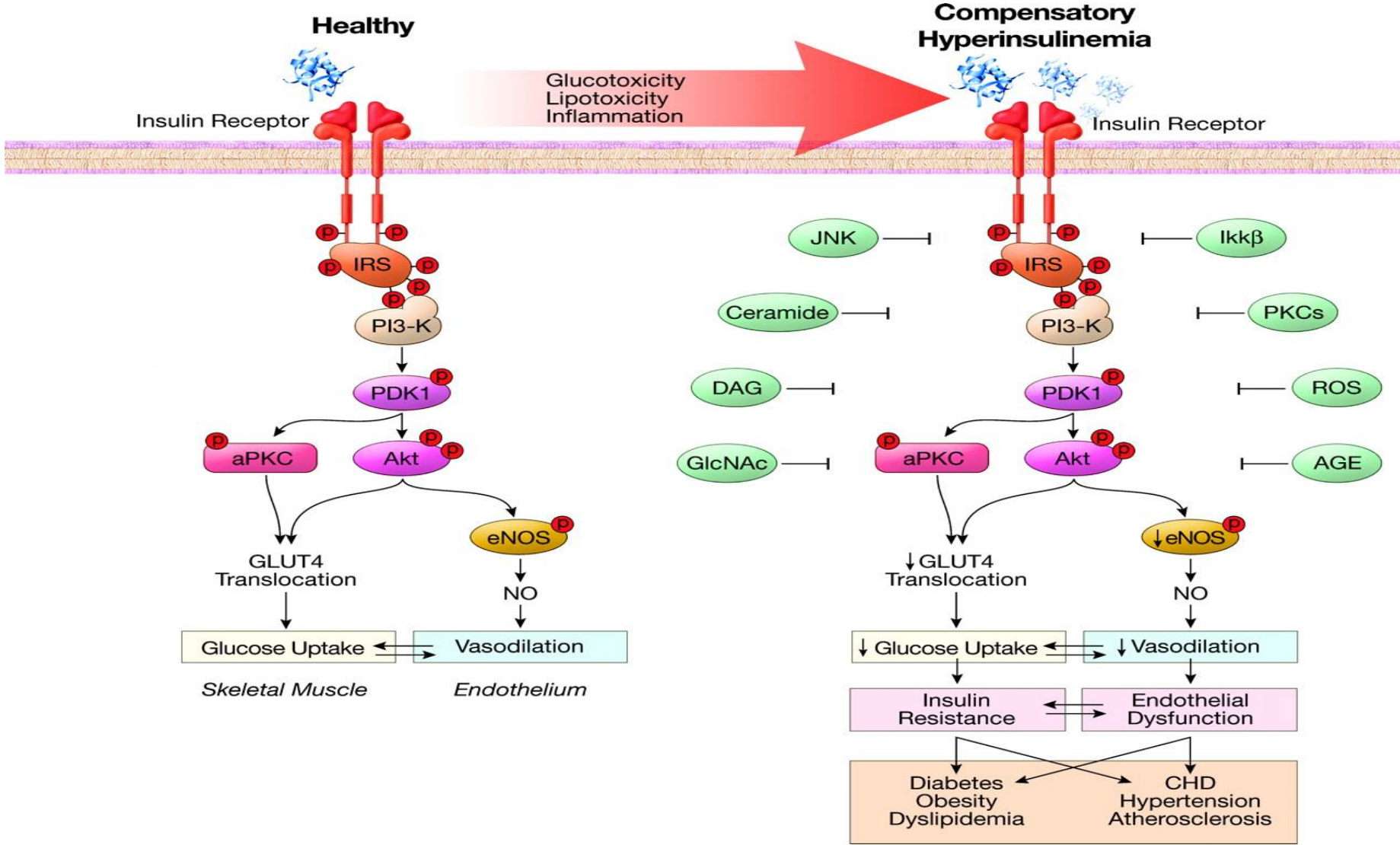
Specific marker of insulin signalling inside the cell with a three weeks retrospective diagnosis :

- **Fatty acids: SCD-1(Stearoyl-CoA-Dehydrogenase)**
= Δ 9-desaturase

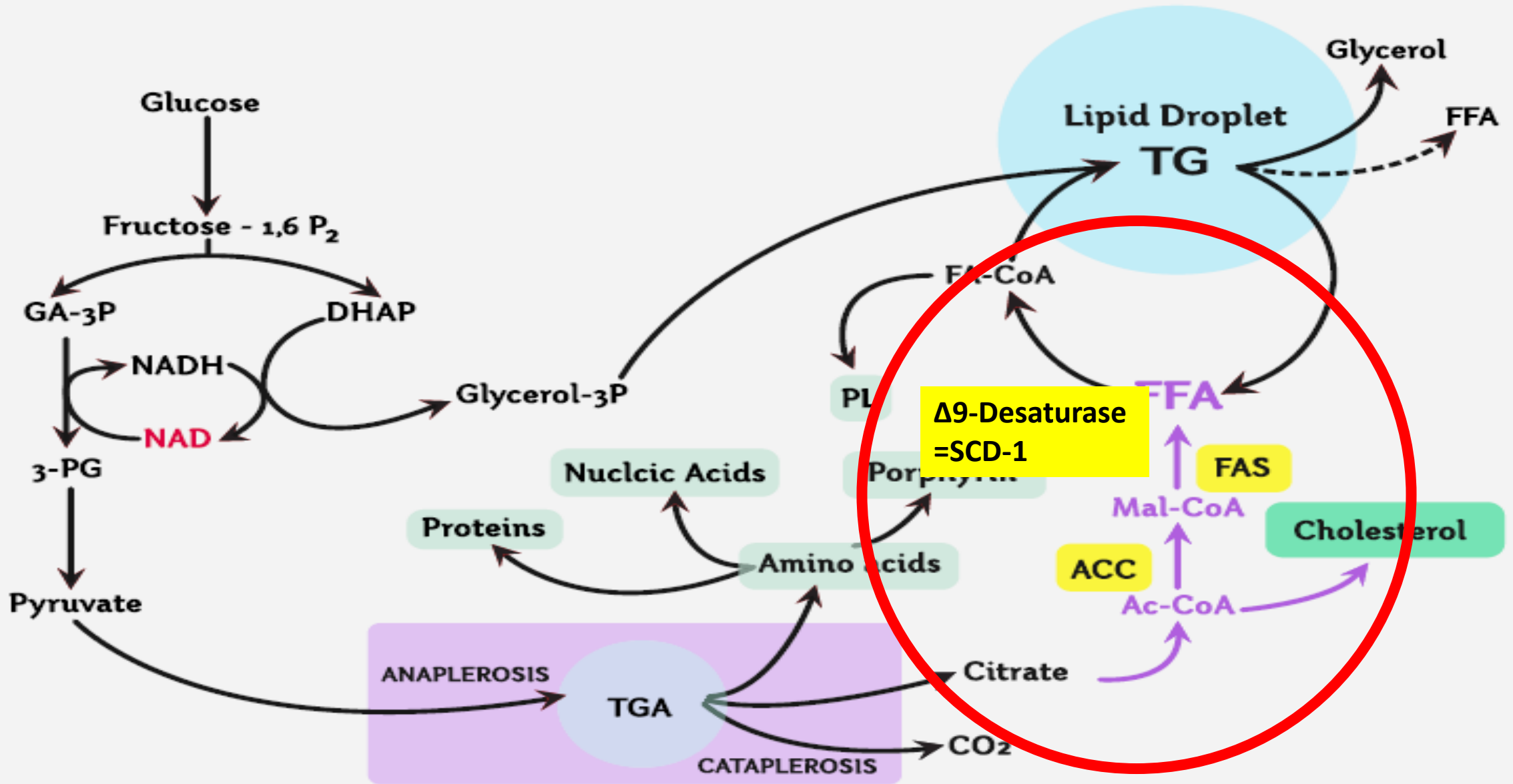


LABORATOIRE
PHILIPPE AUGUSTE

Inhibition of PI3K results in a hyper-insulin

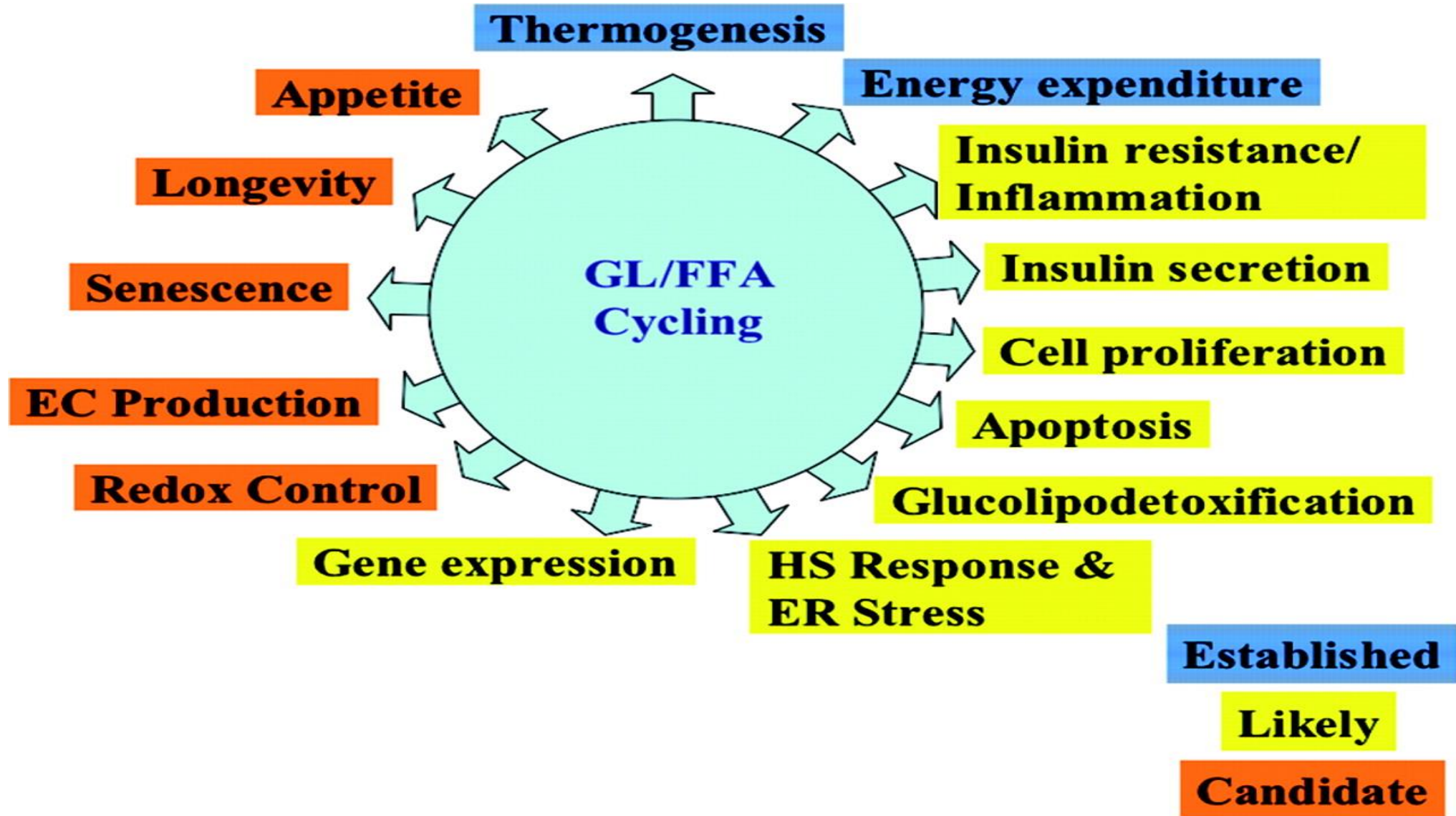


Insulin increase Cell Fatty Acid Synthesis



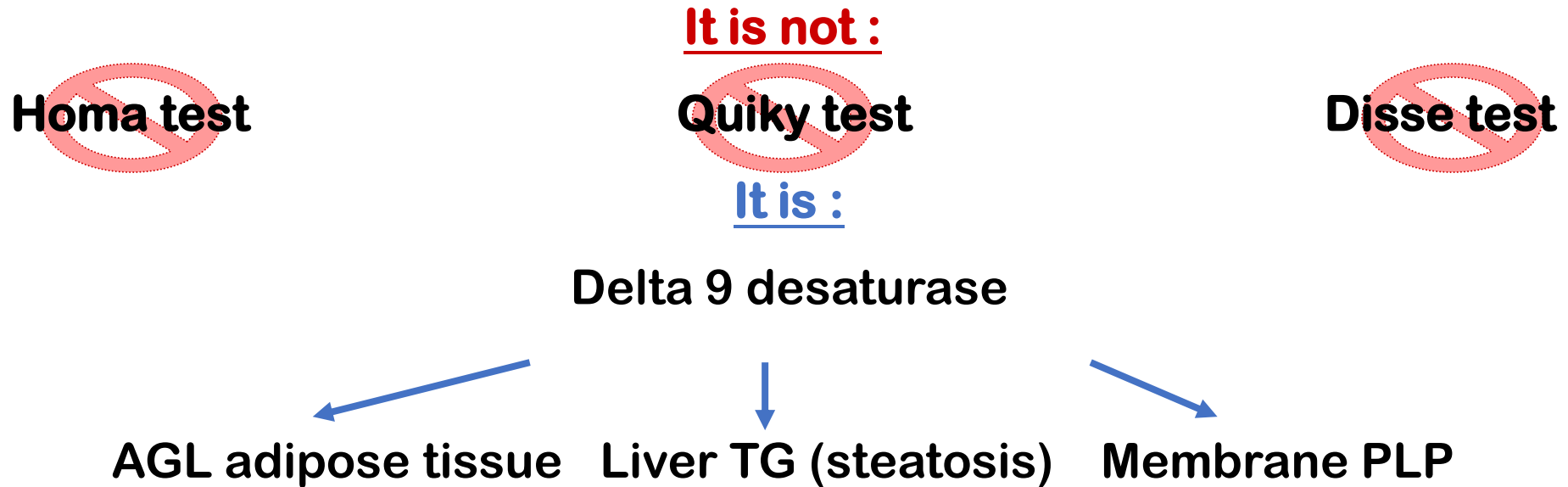
The glycerolipid cycle

→ Feeds many favorable aging process



$\Delta 9$ desaturase \neq tissue marker for insulin resistance

Insulin resistance : an intracellular index derived from the metabolic branch generating pathologies



<u>Delta 9 desaturase:</u>	0.06	0.09	0.12	0.15
<u>Insulino-sensibility:</u>	decreased	average	moderate	sharp