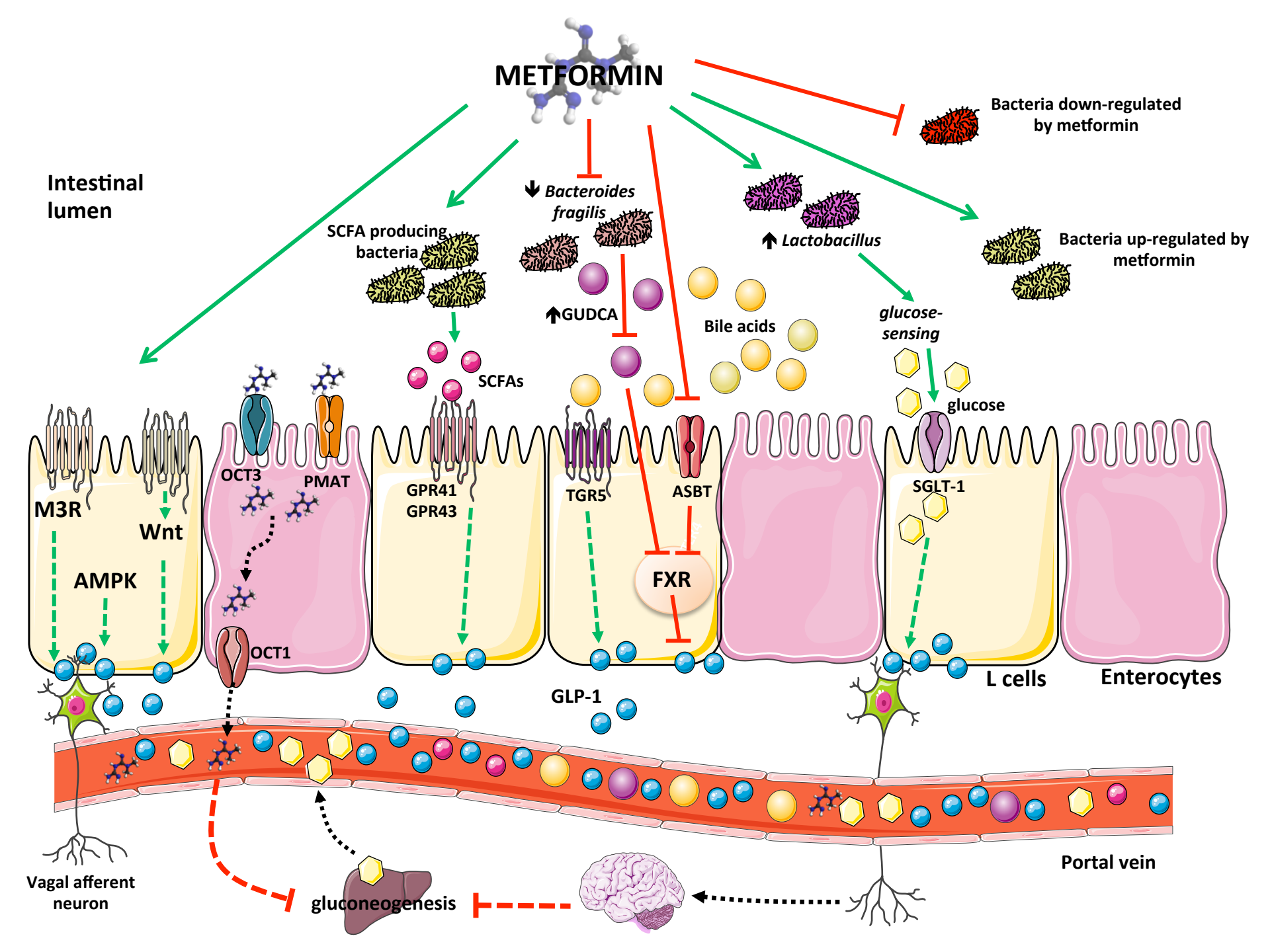
METFORMIN
Bacteria down-regulated by metformin
Intestinal lumen
SCFA producing bacteria
Bacteroides fragilis
Lactobacillus
Bacteria up-regulated by metformin
GUDCA
Bile acids
glucose-sensing
SCFAs
glucose
M3R
Wnt
AMPK
OCT3
PMAT
OCT1
GPR41
GPR43
TGR5
ASBT
FXR
SGLT-1
L cells
Enterocytes
GLP-1
Vagal afferent neuron
gluconeogenesis
Portal vein