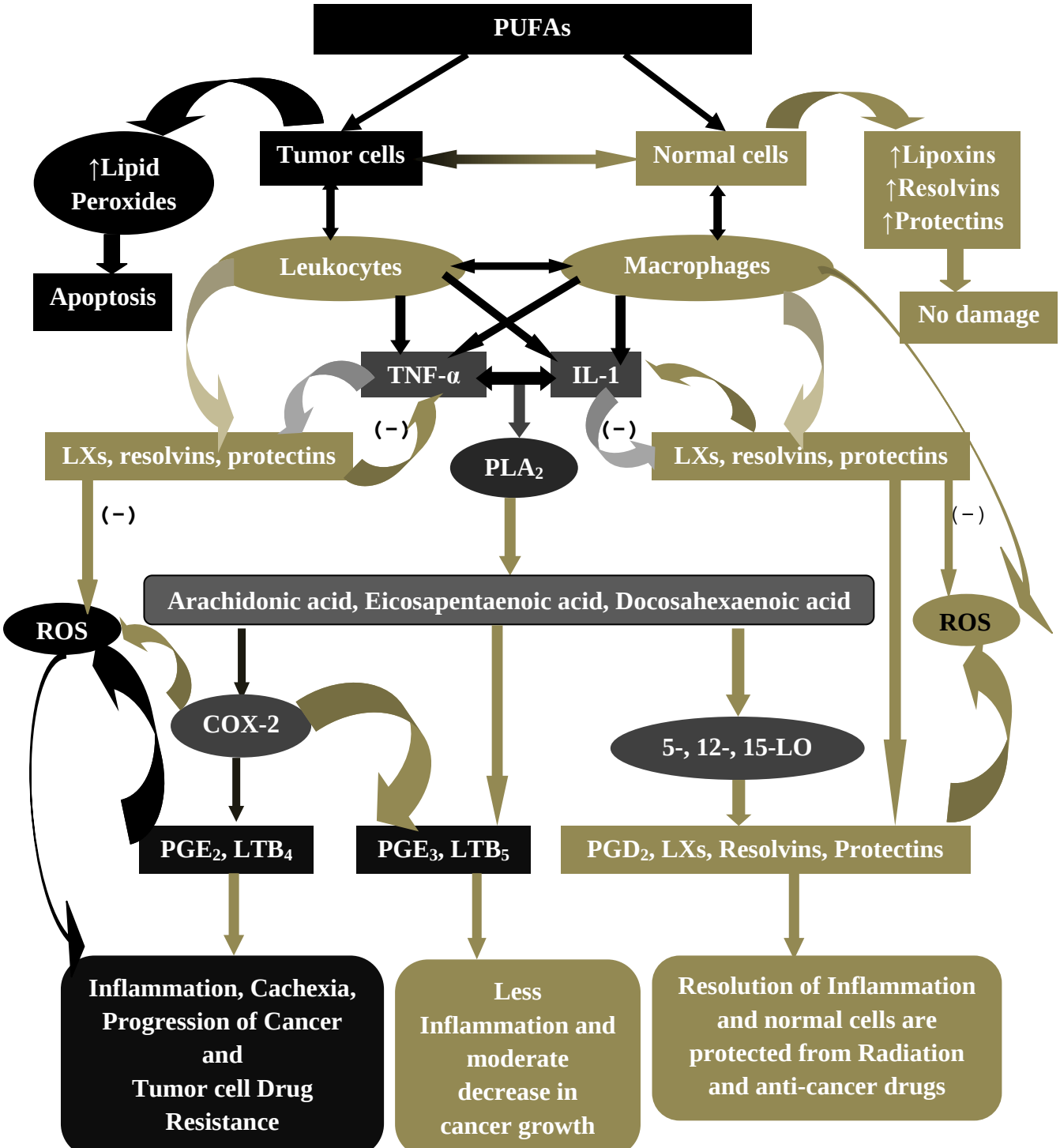
PUFAs
↑Lipid Peroxides
Apoptosis
Tumor cells
Normal cells
↑Lipoxins
↑Resolvins
↑Protectins
No damage
Leukocytes
Macrophages
TNF-α
IL-1
(−)
(−)
LXs, resolvins, protectins
PLA2
LXs, resolvins, protectins
(−)
(−)
Arachidonic acid, Eicosapentaenoic acid, Docosahexaenoic acid
ROS
ROS
COX-2
5-, 12-, 15-LO
PGE2, LTB4
PGE3, LTB5
PGD2, LXs, Resolvins, Protectins
Inflammation, Cachexia, Progression of Cancer and Tumor cell Drug Resistance
Less Inflammation and moderate decrease in cancer growth
Resolution of Inflammation and normal cells are protected from Radiation and anti-cancer drugs