Injury of Epithelium

- e.g.: oxidized LDL, cigarette smoke

Inflammation of vessel wall

- Global DNA-methylation
- HATs
- Inactivation of SOCS-1
- Recruitment of inflammatory cells
- Monocyte adhesion
- NF_{κB} activation
- Histone Acetyl Transferases
- Histone deacetylases

Atherom

- Artherosclerotic plaque, foam cells

Rebuilding of vessel wall

- Invasion and proliferation of SMCs, accumulation of collagen and proteoglycans

= Monocyte
= leads to
= upregulated by
= downregulated by

HATs = Histone Acetyl Transferases
HDACs = Histone deacetylases
NF_{κB} = nuclear factor 'kappa-light-chain-enhancer' of activated B-cells