THE"SPIRIT"

Angiogenesis

OF

WITHIN PLAQUE BAD ! IPH

News in Physiological Sci. June 1999; 14: 121-125 Buschmann I, Schaper W

GOOD !

Preexisting capillaries Substrate: Hif-1 TACGTGCT **Promotors:** Inducers: Ischemia **Increased Capillary Result:** density N F L A <u>M M</u> A T **O** N Time : Days. FGF-1 FGF-2 **VEGF PDGF** MCP-1, GM-CSF Substrate: **Preexisting Arterioles** Shear stress responsive **Promotors:** element GAGACC Shear stress INFLAM Inducers: **Result:** New Arteries. NFLAMMATION **Cime:** Days to WEEKS/ Mo Arteriogenesis

PLAQUE GOOD! (HIBERNATING MYOCARDIUM)

VASCULARIZATION

OUTSIDE

Intraplaque Macrophages Ox-LDL induced VEGF.

> Circulating Cells Monocytes Remodeling