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Sclerostin stimulates angiogenesis in human endothelial cells

Angela Oranger, Giacomina Brunetti, Graziana Colaianni, Roberto Tamma, Claudia Carbone, Luciana Lippo, Giorgio Mori, Paolo Pignataro, Nunzio Cirulli, Roberta Zerlotin, Biagio Moretti, Angela Notarnicola, Domenico Ribatti, Maria Grano, Silvia Colucci



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ACCEPTED MANUSCRIPT

SCLEROSTIN STIMULATES ANGIOGENESIS IN HUMAN ENDOTHELIAL CELLS

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Highlights

- Sclerostin displays an angiogenic role *in vitro*.
- Sclerostin, through LRP6, induces VEGF and PIGF production in human endothelial cells.
- Sclerostin acts as chemoattractant molecule for monocytes and osteoclasts.
- Sclerostin may be considered as a bona fide angiogenic molecule and a regulator of osteoclast recruitment.

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