

B.F. Boyce

University of Rochester Medical Center, 601 Elmwood Avenue, Box 626,  
Rochester, NY 14642, USA; Brendan\_Boyce@urmc.rochester.edu

*J Dent Res* DOI: 10.1177/0022034513500306

# Advances in the Regulation of Osteoclasts and Osteoclast Functions

## APPENDIX

**Appendix Table 1.** Osteoblast Interactions

Osteoblast-expressed	Effects on Osteoclasts
M-CSF	Enhances formation, activation, and survival
RANKL	Enhances formation, activation, and survival
OPG	Inhibits formation, activation, and survival
Wnt5a	Enhances formation
Jagged 1	Inhibits formation by increasing OPG
Semaphorin 6d	Enhances formation
Eph4	Inhibits formation
Zfp521	Inhibits formation
Ebf-1	Promotes formation

**Appendix Table 2.** Osteoclast Interactions

Osteoclast-expressed	Effects on Osteoblasts
Cathepsin K	Inhibits RANKL expression
Semaphorin 4D	Inhibits osteoblast differentiation
Ephrin B2	Promotes osteoblast differentiation