APPROVAL PAGE

Master of Dental Science Thesis

Apoptosis and Osteoblast Differentiation in the Periodontal Ligament in an *in vivo*Orthodontic Relapse Mouse Model

Presented by

Amanda James McManus, D.M.D.

Major Advisor

Flavio Uribe, D.D.S., M.D.S.

Associate Advisor

Sunil Wadhwa, D.D.S., Ph. D.

Ivo Kalajzic, M.D., Ph. D.