Durable Bonds at the Adhesive/Dentin Interface: An Impossible Mission or Simply a Moving Target?

Paulette Spencer1,2, Qiang Ye2 , Jonggu Park2 , Anil Misra2,3 , Brenda S. Bohaty4 , Viraj Singh1,2, Ranga Parthasarathy2, Fabio Sene5, Sergio Goncalves6, Jennifer Laurence7

1Department of Mechanical Engineering, University of Kansas, Lawrence, KS

2Bioengineering Research Center, University of Kansas, Lawrence, KS

3Department of Civil Engineering, University of Kansas, Lawrence, KS

4Department of Pediatric Dentistry, University of Missouri-Kansas City School of Dentistry, Kansas City, MO

5Department of Restorative Dentistry, State University of Londrina, School of Dentistry. Londrina, Brazil

6 Universidade Estadual Paulista "Julio de Mesquita Filho, Sao Jose dos Campos, Sao Paulo, Brazil

7 Department of Pharmaceutical Chemistry, University of Kansas, Lawrence, KS

\* Corresponding author: Paulette Spencer, PhD, DDS.

Address: 1530 W.15th St, Lawrence, Kansas 66045, Tel: (785) 864-4180, Fax: (785) 864-1742, Email: pspencer@ku.edu