AAO Foundation Award Final Report

Principal Investigator	Sunil Kapila
Co-Investigator	Madhavee Buddhikot
Secondary Investigators	
Award Type	Biomedical Research Award
Project Title	Characterizing the Role of Estrogen and Relaxin Receptors in TMJ Disc Degradation
Project Year	2000
Institution	University of California at San Francisco
Summary/Abstract	The purpose of this study was to determine the sites of the collagenase-1 promoter that are responsive to induction by relaxin and identify which of the two known estrogen receptors (ER- or ER-) potentiate the collagenase-1 induction by relaxin in TMJ disc cells. We found that the AP-1 and PEA-3 promoter sites are necessary for the induction of collagenase-1 by relaxin and have identified that both ER receptors are present on TMJ disc cells.