

## Senior Colgate Prize

<b>Year</b>	<b>Name of Recipient</b>	<b>Title of Paper</b>
1959	WG Armstrong	An investigation into the collagenase resistance of carious dentine
1960	JE Eastoe	Preliminary observations on the composition of the nitrogenous fraction of developing enamel in human foetal teeth
1961	MN Naylor <i>Highly commended</i>	Cold sensation in human dentine
	JA Dawson	Some observations on the morphology and histology of the horny teeth of the hagfish
1962	D C A Picton	Vertical mobility of cheek teeth with biting
	WH Bowen	Bacteriological studies of experimental caries
1963	SA Leach	Role of sialic acid in the biological function of human salivary mucin
	CJ Smith	Alteration of epithelial lysosomes during oral carcinogenesis
1964	<i>Highly commended</i> RAD Williams	Biochemical aspects of the adaptation to fluoride by a micro-organism isolated from dental plaque
	JW Osborne	The nature of Hunter-Schreger bands in enamel
1965	T Lehner	Autoimmunological investigation of recurrent aphthous ulceration
1966	<i>Joint winners:</i> JC Elliott	The preparation of single crystals of hydroxyapatite from chlorapatite
	JHP Main <i>Highly commended</i>	Action of polyoma virus on long term organ cultures of tooth germs
1967	JH Horsley	Isolation of fluorescent material present in calcified tissues
	LC Dryburgh	The epigenetics of early tooth development in the mouse
1968	<i>Joint winners:</i> DER Cornick	The effect of F and Mg on acid production in plaque deposited on indwelling glass electrodes in monkey ( <i>Macaca brus</i> )
	B Matthews	Cold-sensitive and hot-sensitive nerves in teeth
1969	GS McKay	The pattern of bacterial invasion of carious dentine
1970	<i>Joint winners:</i> BK Berkovitz	The effect of surgical interference and drug administration on eruption in the rat lower incisor
	DB Ferguson	Effects of fluoride in low doses on serum proteins and enzymes in animals and man
1971	<i>Joint winners:</i> JD Harrison	Production of mucocoeles by salivary duct ligation
	LF Greenwood	Site of termination of sensory nerve fibres from teeth

1972	RC Paterson	Bacterial contamination and the response of the exposed rat molar pulp
1973	G Embery	The biosynthesis of chondroitin 4-sulphate in the teeth of young rats
1974	<i>Joint winners:</i> A Brook	Dental anomalies of number, form and size: their prevalence and aetiology in British children
	A Tatevossian	Studies on plaque fluid
1975	FC Smales	An investigation into inter-crystallite bonding in prisms of immature rat enamel
1976	<i>No Award</i>	
1977	<i>Joint winners:</i> SJ Challacombe	Passage of IgG from serum into crevicular fluid in Rhesus monkeys
	WJ Hume	An investigation into epithelial circadian rhythms using the mouse filiform papilla model
1978	SLW Lisney	Presynaptic inhibition of single pulpal afferents in the cat
1979	CM Scully	Comparative opsonic activity in oral fluids, and phagocytic activity of blood, crevicular and salivary polymorphonuclear leucocytes in Rhesus monkeys
1980	MWJ Ferguson	<i>Alligator mississippiensis</i> : a new model for investigating palatal development
1981	P Shellis	Enamel growth and structure in relation to tooth and body size in primates and related mammals
1982	RA Seymour	The pharmacokinetics and efficacy of three analgesics in post-operative dental pain
1983	PP Robinson	The re-innervation of re-implanted and auto-transplanted teeth in the cat
1984	JK Heath	Biochemical and biological properties of a bone-resorbing factor synthesised by periosteal fibroblasts
1985	CW Keevil	Proton-motive force driven 6-deoxyglucose uptake by <i>Streptococcus mutans</i> Ingbritt and its ecological significance
1986	RM Palmer	The role of dental papilla and follicle in the development of the mouse periodontium in culture
1987	MH Thornhill	The role of interferon-gamma in lymphocyte adhesion to endothelial cells <i>in vitro</i>
1988	M Levenkind	Electrochemical impedance characterisation of human dental enamel and dentine
1989	<i>No entries</i>	
1990	RJ Waddington	A biochemical analysis of proteoglycan in human alveolar bone
1991	J K-C Ma	Conservation of the glue-encoding streptococcal antigen VII in oral streptococci
1992	GR Ogden	Oral exfoliative cytology revisited: an immunocytochemical, histochemical and morphometric study
1993	B Doubleday	Nerve growth factor deprivation blocks collateral re-innervation of tooth pulp and skin
1994	SP Sweet	Oral candidiasis in HIV infection: mucosal immunity versus strain selection

1995	V Booth	Monoclonal antibodies to <i>Porphyromonas gingivalis</i> and their use in passive immunisation
1996	DW Williams	A molecular-based method for identification of <i>Candida</i> in archival material
1997	D Brown	E-cadherin independent binding of $\alpha\beta7$ -positive lymphocytes to oral keratinocytes
1998	W Turner <i>Highly commended</i> J Naglik	Identification of a novel putative transcription factor associated with BMP-induced osteoblastic commitment
1999	J Thomas	The role of $\alpha\beta6$ integrin in modulating epithelial behaviour
2000	M Cobourne	Conservation of wingless/hedgehog interactions in ectodermal boundary formation during mammalian tooth formation
2001	<i>Not awarded</i>	
2003	J McLachlan	Gene Expression analysis in human pulp using microarray technology
2004	NS Willmott	X-ray microtomographic study of dentinal caries in deciduous molars
2005	<i>Joint winners:</i> S Atkins	The effect of scarring on regeneration following peripheral nerve repair
	M Nystrom	NSAIDS inhibit integrin-dependent squamous-cell carcinoma invasion
2006	D Dicara	Development of highly specific anti-v6 peptides for imaging oral cancer
2007	L Davies	Isolation and characterisation of multipotent cells from the oral mucosa
2008	S Suwannakul	Subtypes of <i>Porphyromonas gingivalis</i> that differ in epithelial cell invasion
2009	D Conway	Socioeconomic risk factors associated with upper aerodigestive tract cancer.
2010	NP Innes	Sealing caries in primary molars: Hall technique RCT 5-year results.
2011	M Payne	Role of the commensal microbiota in <i>Porphyromonas gingivalis</i> induced periodontitis
2012	R Howard-Jones	
2013	P Hyde	Clinical implications from an RCT of complete denture impression materials
	<i>Commendation:</i> K Bardsley	Mimicking natural bone development to produce tissue for bone grafts
	R Williams	Leptin synergistically enhances an ECM degrading gingival fibroblast phenotype
2014	G Melling	MicroRNA-145 inhibits and reverses pro-oncogenic transdifferentiation of oral fibroblasts
	<i>Commended:</i> E Board Davies	Oral progenitor cells exhibit broad antibacterial properties.
2015	R. Bolt	Viral status and microenvironment in oropharyngeal cancer
	<i>Commended:</i> P. Ryan	A phenotypic re-evaluation of human

	A. D'Onofrio	gamma delta T cells in health and disease
	J. Walker	Novel bioactive glass cements for bone grafting
		Characterisation of mouse incisor tooth mesenchymal stem cells
2016	D Herzog	Rapid detection of root canal bacteria in patients using fluorescence spectroscopy
2017	D Morse	Contribution of Oral bacteria to Candida virulence and denture stomatitis.
2018	A Harding	Tissue engineering the extracellular matrix in oral carcinoma.
2019	A Elmusrati	Senescent fibroblasts contribute to bone invasion in oral squamous cell carcinoma: a novel opportunity for therapeutic intervention.
2020	C Farrugia	Role of P. gingivalis gingipains and multispecies interactions in endothelial damage.
2021	F Chowdhury	The longitudinal effect of rituximab in primary Sjögren's syndrome
2022	A El-Howati	Development of a Multi-cellular Tissue-Engineered Model of Oral Lichen Planus (OLP).