

# Original Reports

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## 1970-1989

1. Borden JH, Handley JR, Johnson BD, MacConnell JG, Silverstein RM, Slessor KN, Swigar AA, Wong DTW. Synthesis and field testing of 4,6,6-lineatin, the aggregation pheromone of *Trypodendron lineatum* (COLEOPTERA:SCOLYTIDAE). J Chem Ecology 1979; 5: 681-9.
2. Shah RM, Wong DTW. Morphological study of cleft palate development in 5-fluorouracil-treated hamster fetuses. J Embryol Exp Morph 1980; 57: 119-28.
3. Shah RM, Wong DTW, Suen RS. Ultrastructural and cytochemical observations on 5-fluorouracil-induced cleft-palate development in hamster. Am J Anat 1984; 170: 567-580.
4. Wong DTW, Hartigan JH, Biswas DK. Mechanism of induction of human chorionic gonadotropin in lung tumor cells in culture. J Biol Chem 1984; 259: 10738-44.
5. Shah RM, Crawford BJ, Greene RM, Suen RS, Burdett D, King KO, Wong DTW. In vitro development of the hamster and chick secondary palate. J Craniofac Genet Dev Biol 1985; 5: 299-314.
6. Wong DTW, Biswas D K. Mechanism of benzo(a)pyrene induction of alpha-human chorionic gonadotropin gene expression in human lung tumor cells. J Cell Biol 1985; 101: 2245-52.
7. Kumar V, Wong DTW, Pasion SG, Biswas DK. Defective distal regulatory element at the 5' upstream of rat prolactin gene or steroid-nonresponsive GH-subclone. Biochim Biophys Acta 1987; 910: 213-23.
8. Wong DTW. Amplification of the *c-erb* B1 oncogene in chemically-transformed oral carcinomas. Carcinogenesis 1987; 8: 1963-1965.
9. Wong DTW, Biswas DK. Expression of *c-erb* B proto-oncogene during dimethylbenz anthracene-induced tumorigenesis in hamster cheek pouch. Oncogene 1987; 2: 67-72.
10. Wong DTW. Histone Gene (H3) Expression in chemically transformed oral keratinocytes. Exp Mol Path 1988; 49: 206-14.
11. Wong DTW, Gallagher GT, Gertz R, Chang ALC, Shklar G. Transforming growth factor- $\alpha$  in chemically transformed hamster oral keratinocytes. Can Res 1988; 48: 3130-4.
12. Chang LC, Chou MY, Chow P, Matossian K, McBride J, Chiang T, Gallagher GT, Wong DTW. Detection of transforming growth factor-alpha messenger RNA in normal and chemically transformed hamster oral epithelium by *in situ* hybridization. Can Res 1989; 49: 6700-7.
13. Rivera RT, Pasion SP, Wong DTW, Fei Y, Biswas DK. Loss of tumorigenic potential by human lung tumor cells in the presence of antisense RNA specific to the ectopically synthesized  $\alpha$ -subunit of human chorionic gonadotropin. J Cell Biol 1989; 108: 2423-34.

14. Todd R, Donoff BR, Gertz R, Chang AL, Chow P, Matossian K, McBride J, Chiang T, Gallagher GT, Wong DTW. TGF-alpha and EGF-receptor mRNAs in human oral cancers. Carcinogenesis 1989; 10: 1553-6.
15. Wong DTW, Gertz R, Chow P, Chang ALC, McBride J, Chiang T, Matossian K, Gallagher G, Shklar G. Detection of Ki-ras messenger RNA in normal and chemically transformed hamster oral keratinocytes. Can Res 1989; 49: 4562-7.

## 1990-1999

16. Chou MY, Chang AL, McBride J, Donoff B, Gallagher GT, Wong DTW. A rapid method to determine proliferation patterns of normal and malignant tissues by H3 mRNA *in situ* hybridization. Am J Pathol 1990; 136: 729-33.
17. Elovic A, Galli SJ, Weller PF, Chang ALC, Chiang T, Chou MY, Donoff RB, Gallagher GT, Matossian K, McBride J, Tsai M, Todd R, Wong DTW. Production of transforming growth factor-alpha by hamster eosinophils. Am J Pathol 1990; 137: 1425-34.
18. Wong DTW, Chou MY, Chang LC, Gallagher GT. Use of intracellular H3 messenger RNA as a marker to determine the proliferation pattern of normal and 7,12-dimethylbenz[a] anthracene-transformed hamster oral epithelium. Can Res 1990; 50: 5107-11.
19. Wong DTW, Weller PF, Galli SJ, Elovic A, Rand TH, Gallagher GT, Chiang T, Chou MY, Matossian K, McBride J, Todd R. Human eosinophils express transforming growth factor-alpha. J Exp Med 1990; 172: 673-81.
20. Chiang T, McBride J, Chou MY, Nishimura I, Wong DTW. Molecular cloning of the complementary DNA encoding for the hamster TGF- $\alpha$  mature peptide. Carcinogenesis 1991; 12: 529-32.
21. Todd R, Chou MY, Matossian K, Gallagher GT, Donoff RB, Wong DTW. Cellular Sources of Transforming Growth Factor-Alpha in Human Oral Cancer. J Dent Res 1991; 70: 917-923.
22. Todd R, Donoff RB, Chiang T, Chou MY, Elovic A, Gallagher G, Wong DTW. The eosinophil as a cellular source of TGF- $\alpha$  in healing cutaneous wound. Am J Pathol 1991; 138: 1307-1313.
23. Chou MY, Chou MC, McBride J, Gallagher GT, Matossian K, Elovic A, Wong DTW. Localization of transforming growth factor-alpha in adult Syrian hamster tissues. Lymphokine and Cytokine Res 1991; 10: 385-390.
24. Wong DTW, Elovic A, Matossian K, Nagura N, McBride J, Chou MY, Gordon JR, Rand TH, Galli SJ, Weller PF. Eosinophils from Patients with Blood Eosinophilia Express Transforming Growth Factor  $\beta$ 1. Blood 1991; 78: 2702-2707.
25. Ghiabi M, Gallagher GT, Wong DTW. Eosinophils, tissue eosinophilia, and eosinophil-derived transforming growth factor-alpha in hamster oral carcinogenesis. Can Res 1992; 52: 389-393.

26. Kadin M, Butmarc J, Elovic A, Wong DTW. Eosinophils are a major source of transforming growth factor-beta (TGF- $\beta$ ) in nodular sclerosing Hodgkin's Disease. Am J Pathol 1993; 142: 11-16.
27. Wong DTW. TGF- $\alpha$  and oral carcinogenesis. Eur J Cancer 1993; 29B: 3-7.
28. Weller PF, Rand TH, Barret T, Elovic A, Wong DTW, Finberg RW. Accessory cell function of human eosinophils: HLA-DR dependent, MHC-restricted antigen-presentation and interleukin-1 $\alpha$  expression. J Immunol 1993; 150: 2554-2562.
29. Costa JJ, Matossian K, Resnick MB, Beil W, Wong DTW, Gordon JR, Dvorak AM, Weller PF, Galli SJ. Human eosinophils can express the cytokines TNF- $\alpha$  and MIP-1 $\alpha$ . J Clin Invest 1993; 91: 2673-2684.
30. Wong DTW, Donoff RB, Yang J, Song B-Z, Matossian K, Nagura N, Elovic A, McBride J, Gallagher G, Todd R, Chiang T, Chou LS-S, Chou MY, Galli SJ, Weller PF. Sequential Expression of TGF- $\alpha$  and TGF- $\beta$  by Eosinophils During Cutaneous Wound Healing in the Hamster. Am J Pathol 1993; 143: 130-142.
31. Song B-Z, Donoff RB, Takanori T, Todd R, Gallagher GT, Wong DTW. Identification of rabbit eosinophils and heterophils in cutaneous healing wounds. J Histochemistry 1993; 25: 762-771.
32. Galli SJ, Gordon JR, Wershil BK, Costa JJ, Elovic A, Wong DTW, Weller PF. Mast cell and eosinophil cytokines in allergy and inflammation. In: Gleich G, Kay B, eds. Eosinophils in Allergy and Inflammation. New York NY: Marcel Dekker, Inc., 1994: 255-280.
33. Elovic A, Wong DTW, Weller PF, Matossian K, Galli SJ. Expression of TGF- $\alpha$  and TGF- $\beta$ 1 mRNA and Product by Eosinophils in Nasal Polyps. J Aller and Clin Immunol 1993; 93: 864-869.
34. Lin M-H, Hsieh S-C, Li SY, Shih H-C, Chiang T, McBride J, Todd R, Chou LS-S, Chou MY, Wong DTW. Sequential Cytogenetic Alterations in Hamster Oral Keratinocytes During DMBA-Induced Oral Carcinogenesis. Eur J Cancer-Oral Oncol 1994; 30B: 252-264.
35. Shah RM, Young AV, Song BZ, Wong DTW. A novel approach to the growth analysis of hamster secondary palate by histone H3 mRNA *in situ* hybridization. Histol Histopath 1994; 9: 669-675.
36. Lim K.G., Wan H.-C., Resnick M.B., Wong D.T.W., Cruikshank W.W., Kornfeld H., Center D.M., and Weller P.F. Human eosinophils release the lymphocyte and eosinophil active cytokines, RANTES and lymphocyte chemoattractant factor. Effectors and Pathogenesis of Allergic Diseases. 1995; 107: 342.
37. Lim KG, Wan HC, Resnick M, Wong DTW, Cruikshank WW, Kornfeld H, Center DM, Weller PF. Human eosinophils release the lymphocyte and eosinophil active cytokines, RANTES and lymphocyte chemoattractant factor (LCF). Int Arch Allergy Immunol 1995; 107: 342.

38. Todd R, McBride J, Tsuji T, Donoff RB, Nagai M, Chou MY, Chiang T, Wong DTW. Deleted in oral cancer-1 (doc-1), a candidate oral cancer suppressor gene. FASEB J 1995; 9: 1362-1370.
39. Yang J, Tyler L, Donoff RB, Song B, Torio AJ, Gallagher GT, Tsuji T, Elovic A, McBride J, Galli SJ, Weller PF, Wong DTW. Salivary EGF regulates eosinophil-derived TGF- $\alpha$  expression in hamster oral wounds. Am J Physiol 1996; 270: G191-G202.
40. Weller PF, Lim K, Wan H-C, Dvorak AM, Wong DTW, Cruikshank WW, Kornfeld H, Center M. Role of the eosinophil in allergic reactions. Eur Respir J 1996; 9: 109S-115S.
41. Elovic A, Gallagher GT, Kabani S, Galli SJ, Weller PF, Wong DTW. Lack of TGF- $\alpha$  and TGF- $\beta$ 1 synthesis by human eosinophils in chronic human oral ulcers. Oral Surg Oral Med Oral Path 1996; 81: 672-681.
42. Lim KG, Wan H-C, Bozza PT, Resnick MB, Wong DTW, Cruikshank WW, Kornfeld H, Center DM, Weller PF: Human eosinophils elaborate the lymphocyte chemoattractants: IL-16 (lymphocyte chemoattractant factor, LCF) and RANTES. J Immunol 1996, 156: 2566-2570.
43. Wong DTW, Todd R, Tsuji T, Donoff RB. The molecular biology of human oral cancer. Crit Rev Oral Biol Med 1996; 7: 319-28.
44. Login GR, Yang J, Bryan KP, Digenis EC, McBride J, Quissell DO, Dvorak A, Wong DTW. Characterization of the synthesis and storage of transforming growth factor-alpha in rat parotid acinar and intercalated duct cells. Am J Physiol 1997; 272: G553-G62.
45. Todd R, Donoff RB, Wong DTW. The molecular biology of oral carcinogenesis: towards a tumor progression model. J Oral & Maxillofacial Surg. 1996; 55: 613-623.
46. Yang J, Torio AJ, Donoff RB, Gallagher GT, Egan R, Weller P, F., Wong DTW. Depletion of eosinophil infiltration by anti-IL-5 monoclonal antibody (TRFK-5) accelerates open skin wound epithelial closure. Am J Pathol 1997; 151: 813-819.
47. Tanda N, Ohyama H, Yamakawa M, Ericsson M, Tsuji T, McBride J, Wong DTW, Login GR. IL-1 $\beta$  in mouse parotid acinar cells: characterization of synthesis, storage and regulated release. Am J Physiol 1998; 274: G147-G156.
48. Tsuji T, Duh F-M, Latif FL, Popescu NC, Zimonjic DB, McBride J, Matsuo KM, Ohyama H, Todd RT, Nagata EN, Terakado N, Sasaki A, Matsumura T, Lerman MI, Wong DTW. Cloning, Mapping, Expression, Function and Mutation Analyses of the Human Ortholog of the Hamster Putative Tumor Suppressor Gene *doc-1*. J Biol Chem 1998; 273: 6704-6709.
49. Elovic A, Weller PF, Nagai M, Wong DTW. IL-4 dependent regulation of TGF- $\alpha$  and TGF- $\beta$ 1 expression by human eosinophils. J Immunol 1998; 160: 6121-6127.
50. Ohyama H, McBride, J, Wong DTW. Optimized conditions for gene transfection into the human eosinophilic cell line EoL-1 by Electroporation. J Immunol Meth 1998; 215: 105-111.

51. Urban SD, Elovic A, Todd R, Gallagher GT, Donoff RB, Wong DTW. Malignant ameloblastoma: prediction of metastatic potential using *in situ* histone (H3) mRNA analysis. Int J Oral Biol 1998; 23: 75-81.
52. Tsuji T, Todd R, Meyer C, McBride J, Liao P-H, Chou MY, Lin S.-SC, Donoff RB, and Wong DTW. Reduction of ornithine decarboxylase antizyme (ODC-Az) activity in the 7,12-dimethylbenz(a) anthracene-induced hamster buccal pouch carcinogenesis model. Oncogene 1998; 16: 3379-3385.
53. Donoff RB, Todd RT, Elovic A, Gallagher GT, Chou M-Y, Wong DTW. Prediction of human oral cancer radiation responsiveness by histone (H3) mRNA *in situ* hybridization: A preliminary report. J Oral Maxifac Surg 1998; 56:1410-1416.
54. Todd R, Wong DTW. Epidermal growth factor receptor (EGFR) biology and human oral cancer. Histology Histopath 1999; 14: 491-500.
55. Wong D, Todd R. Carcinoma of the tongue in two siblings. J Oral Maxillofacial Surg 1999; 57:69.
56. Wong DTW, Bowen SM, Elovic A, Gallagher GT, Weller PF. Eosinophil Ablation and Tumor Development. Eur J Cancer: Oral Oncology 1999; 35: 496-501.
57. Zhang X, Tsao H, Tsuji T, McBride J, Majewski P, Todd R, Shimizu N, Wong DTW, Haluska F. Identification and Characterization of DOC-1R, A DOC-1 Growth Suppressor-Related Gene. Biochem Biophys Res Comm 1999; 255: 59-63.
58. Tyler LW, Matossian K, Todd R, Gallagher GT, White R, and Wong DTW. Eosinophil-derived transforming growth factors (TGF- $\alpha$  and TGF $\beta$ 1) in human periradicular lesions. J Endo 1999; 619-624.
59. Nagai M, Yoshida A, Sato N, Wong DT. Messenger RNA level and protein localization of transforming growth factor-beta1 in experimental tooth movement in rats. Eur J Oral Sci 1999; 107: 475-81
60. Shintani S, Matsuo K, Crohnin CC, McBride J, Tsuji T, Donoff RB, Posner M, Todd R, Wong DTW. Intragenic Mutation Analysis of the Human EGFR Gene in Malignant Human Oral Keratinocytes. Cancer Res 1999; 59: 4142-4147.
61. Todd R, Wong DTW. Oncogenes. Anticancer Research 1999; 19: 4729-4746.

## 2000-2005

62. Wong DTW, Münger K. Association of human papillomavirus with a subgroup of head and neck squamous cell carcinomas. J Natl Can Inst 2000; 92: 2-4.
63. Cwikla SJ, Tsuji T, McBride J, Wong DTW, Todd R. *doc-1* mediated apoptosis in malignant hamster oral keratinocytes. J Oral Maxillofac Surg 2000; 58: 406-414.
64. Matsuo K, Shintani S, Tsuji T, Nagata E, Lerman M, McBride J, Nakahara Y, Ohyama H, Todd R, Wong DTW. p12<sup>DOC-1</sup>, a growth suppressor, associates with DNA polymerase  $\alpha$ /primase. FASEB J. 2000; 14: 1318-1324.

65. Ohyama H, Zhang X, Khono Y, Alevizos I, Marshall P, Wong DTW, Todd R. Laser capture microdissection-generated target sample for high density oligonucleotide array hybridization. BioTechniques 2000; 29: 530-536.
66. Yamakawa M, Weinstein R, Tsuji T, McBride J, Wong D, Login G. Age related alterations in IL- $\beta$ , TNF- $\alpha$  and IL-6 concentrations in Parotid acinar cells. J Histochem and Cytochem 2000; 48: 1033-1041.
67. Todd R, Donoff RB, Wong DTW. The chromosome: cytogenetic analysis and its clinical application. Oral and Maxillofacial Surgery 2000; 58: 1034-1039.
68. Shintani S, Ohyama H, Zhang X, McBride J, Matsuo K, Tsuji T, Todd R, Lerman M, Wong DTW. p12<sup>DOC-1</sup> is a novel CDK2-associated protein. Mol Cell Biol 2000; 20:6300-6307.
69. Kiyota, A, Shintani, S, Mihara, M, Nakahara, Y, Ueyama, Y, Matsumura, T, Todd, R, and Wong, DT. Expression of a truncated epidermal growth factor receptor in oral squamous cell carcinomas, Cancer Lett 2000; 161, 9-15.
70. Tsuji T, Usui SU, Aida TA, Tachikawa TT, Sasaki AS, Matsumura TM, Todd R, Wong DTW. Induction of epithelial differentiation and DNA demethylation in hamster malignant oral keratinocyte by ornithine decarboxylase antizyme. Oncogene 2001; 20: 24-33.
71. Mihara M, Shintani S, Nakahara Y, Kiyota A, Ueyama Y, Matsumura T, Wong DT. Overexpression of cdk2 is a prognostic indicator of oral cancer progression. Jpn J Cancer Res 2001; 92: 352-60.
72. Todd R, Donoff RB, Kim Y, Wong DTW. From the chromosome to DNA: restriction fragment length polymorphism analysis and its clinical applications. Oral and Maxillofacial Surgery 2001; 69: 660-667.
73. Suliman Y, Opitz OG, Avadhani A, Burns TF, El-Deiry WS, Wong D, Rustgi AK. p63 expression is associated with p53 loss in oral-esophageal epithelia of p53 deficient mice. Cancer Res 2001; 61: 6467-6473.
74. Shintani S, Mihara M, Terakado N, Nakahara Y, Matsumura T, Kohno Y, Ohyama H, McBride J, Kent R, Todd R, Tsuji T, Wong DTW. Reduction of p12<sup>DOC-1</sup> expression is a negative prognostic indicator in Japanese patients with surgically resected oral cancer. Clin Cancer Res 2001; 7: 2776-2782.
75. Alevizos I, Mahadevappa M, Ohyama H, Zhang X, Kohno Y, Posner M, Gallagher GT, Varvares M, Cohen D, Kim D, Kent R, Donoff RB, Todd R, Warrington JA, Wong DTW. Oral cancer *in vivo* gene expression profiling assisted by laser capture microdissection and microarray analysis. Oncogene 2001; 20: 6196-6204.
76. Shintani, S, Mihara, M, Ueyama, Y, Matsumura, T, and Wong, DT. Cyclin D1 over expression associates with radio sensitivity in oral squamous cell carcinoma. Int J Cancer 2001, 96: 159-165.
77. Todd R, Wong DT. Microarrays and Oral Cancer. J. Dent. Res. 2002; 81: 89-97.

78. Kim Y, Tsuji T, Elovic A, Shintani S, Mihara M, Salih E, Kohno Y, Chin B-R, Patel V, Wong D, Todd R. Murine doc-1 cDNA cloning, sequencing and expression in normal adult tissues. Int J Oral Biol 2002; 26: 87-92.
79. Shintani, S, Mihara, M, Nakahara, Y, Kiyota, A, Ueyama, Y, Matsumura, T, and Wong, DTW. Expression of cell cycle control proteins in normal epithelium, premalignant and malignant lesions of oral cavity. Oral Oncology 2002, 38: 235-243.
80. Todd R, Hinds PW, Münger K, Rustgi AK, Opitz OG, Suliman Y, D.T. W. Cell Cycle Dysregulation in Oral Cancer. Critical Review of Oral Biology 2002; 51-56.
81. Kohno Y, Kim Y, Donoff RB, Kent R, Wong DT, Tsuji T, Chin BR, Todd R. Apoptosis, Proliferation and p12doc-1 Profiles in Normal, Dysplastic and Malignant Squamous Epithelium of the Syrian Hamster Cheek Pouch Model. Oral Oncol 2002; 38: 274-280.
82. Mihara M, Shintani S, Kiyota A, Matsumura T, Wong DT. Cyclin-dependent kinase inhibitor (roscovitine) suppresses growth and induces apoptosis by regulating Bcl-x in head and neck squamous cell carcinoma cells. Int J Oncol 2002; 21: 95-101.
83. Alevizos, I., Gallagher, G., Ohyama, H., Wong, D. T. W., and Todd, R. Odontogenic carcinoma: a functional genomic comparison with oral mucosal squamous cell carcinoma. Eur J Cancer-Oral Oncology, 2002, 38: 504-507.
84. Kim Y, Flynn T, Donoff RB, Wong DT, Todd R. The gene: the polymerase chain reaction (PCR) and its clinical application. J. Oral & Maxillofacial Surg 2002; 60: 805-815.
85. Ohyama H, Mahadevappa M, Luukkaa H, Todd R, Warrington J, Wong DT. Use of LCM-Generated Targets for Hybridization of High-Density Oligonucleotide Arrays. In: Conn PM, ed. Meth in Enzymol. 2002, 356: 323-333.
86. Kim Y, Donoff RB, Wong DT, Todd R. The nucleotide: DNA sequencing and its clinical application. J Oral and Maxillofacial Surg 2002; 60: 924-930.
87. Macabeo-Ong M, Ginzinger DG, Dekker N, McMillan A, Regezi JA, Wong DT, Jordan RC. Effect of duration of fixation on quantitative reverse transcription polymerase chain reaction analyses. Mod Pathol 2002; 15: 979-987.
88. Kiyota A, Shintani S, Mihara M, Nakahara Y, Ueyama Y, Matsumura T, Tachikawa T, Wong DT. Anti-epidermal growth factor receptor monoclonal antibody 225 upregulates p27(KIP1) and p15(INK4B) and induces G1 arrest in oral squamous carcinoma cell lines. Oncology 2002; 63: 92-8.
89. Hwang D, Alevizos I, Schmitt WA, Misra J, Ohyama H, Todd R, Mahadevappa M, Warrington JA, Stephanopoulos G, Wong DT. Genomic dissection for characterization of cancerous oral epithelium tissues using transcription profiling. Oral Oncol 2003; 39: 259-68.
90. Macabeo-Ong, M., Shiboski, C. H., Silverman, S., Ginzinger, D. G., Dekker, N., Wong, D. T. W., and Jordan, R. C. K. Quantitative analysis of cathepsin L mRNA and protein expression during oral cancer progression. Oral Oncol, 2003; 69: 638-647.
91. Zhou, X., Cole, S. W., Hu, S., and Wong, D. T. Detection of DNA copy number abnormality by microarray expression analysis. Hum Genet, 2004; 114: 464-467.

92. Zhou, X, Jordan, R C K, Mok, S, Birrer, M J, and Wong, D T DNA Copy Number Abnormality of Oral Squamous Cell Carcinoma Detected by cDNA Array-Based CGH. Cancer Genetics & Cytogenetics, 2004; 151: 90-92.
93. Hu, M G, Hu, G F, Kim, Y, Tsuji, T, McBride, J, Hinds, P, and Wong, D T Role of p12(CDK2-AP1) in transforming growth factor-beta1-mediated growth suppression. Cancer Res, 2004; 64: 490-499.
94. Zhou, X, Li, C, Mok, S, Chen, Z, and Wong, D T W Whole Genome LOH Profiling on Oral Squamous Cell Carcinoma by High-Density SNP Array. Cancer Genet & Cytogenet, 2004; 151: 82-84.
95. St. John, M, Li, Y, Zhou, X, Denny, P, Ho, C-M, Montemagno, C D, Shi, W, Qi, F, Wu, B, Jordan, R C K, Sinha, U, Park, N-H, Abemayor, E, and Wong, D T W. IL-6 and IL-8: Potential biomarkers for oral cavity and oropharyngeal SCCA. Arch Otolaryngol Head Neck Surg, 2004, 130: 929-935.
96. Li, Y, Zhou, X, St John, M A, and Wong, D T. RNA Profiling of Cell-free Saliva Using Microarray Technology. J Dent Res, 2004; 83: 199-203.
97. Buajeeb, W, Zhang, X, Ohyam, H, Han, D, Surarita, R, Kim, Y, and Wong, D T. Interaction of the CDK2 associated protein-1, p12DOC-1/CDK2AP1, with its homolog, p14DOC-1R. Biochem Biophys Res Comm, 2004; 315: 998-1003.
98. Shintani, S, Ishikawa, T, Nonaka, T, Li, C, Nakashiro, K, Wong, D T, and Hamakawa, H. Growth-regulated oncogene-1 expression is associated with angiogenesis and lymph node metastasis in human oral cancer. Oncology, 2004; 66: 316-322.
99. Zhou, X, Mok, S, Li, C, Chen, Z, and Wong, D T Concurrent analysis of loss of heterozygosity (LOH) and copy number abnormality (CNA) for oral premalignancy progression using Affymetrix 10K SNP mapping array. Human Genetics, 2004; 115: 327-330.
100. Hu, S, Denny, P, Denny, P A, Xie, Y, Loo, J A, Wolinsky, L, Li, Y, McBride, J, Loo, R R, Navazesh, M, and Wong, D T Differentially expressed proteins markers in human submandibular and sublingual secretions. Int. J. Oncol., 2004; 25: 1423-1430.
101. Jordan, R C K, Macabeo, M, Shiboski, C H, Dekker, N, Ginzinger, D, Wong, D T, and Schmidt, B L. Overexpression of matrix metalloproteinases-1 and 9 mRNA are associated with progression of oral dysplasia to cancer. Clin Cancer Res, 2004: 6460-6465.
102. Li, Y, St John, M A, Zhou, X, Kim, Y, Sinha, U, Jordan, R C K, Eisele, D, Abemayor, E, Elashoff, D, Park, N H, and Wong, D T Salivary Transcriptome Diagnostics for Oral Cancer Detection. Clin Cancer Res, 2004; 10: 8442-8450.
103. Figueiredo, M L, Kim, Y K, Zhou, X Z, Myers, J N, and Wong, D T. Molecular Mechanisms of Head and Neck Cancer. Mechanism of Diseases, 2004, 1: 273-281.
104. Kreth, J K, Hagerman, E, Tam, K, Merritt, J, Wong, D, Wu, B M, Myung, N V, Shi, W, and Qi, F Quantitative Analyses of *Streptococcus mutans* Biofilms Formed under Different Sucrose Concentrations by using quartz crystal microbalance and microjet impingement. Biofilm, 2004; 1: 277-284.



105. Kim, Y, Shintani, S, Yohko, K, Zhang, R, and Wong, D T. Cyclin G2 dysregulation in human oral cancer. Cancer Research., 2004, 64: 8980-8906.
106. Zhou, X, Cole, S W, Rao, N P, Cheng, Z, Li, Y L, McBride, J, and Wong, D T W. Identification of discrete chromosomal deletion by binary recursive partitioning of microarray differential expression data. J. Med Genetics, 2005, 42: 416-419.
107. Zhou, X, Rao, N P, Cole, S W, Mok, S C, Cheng, Z, and Wong, D T. Progress in concurrent progress in concurrent analysis of loss of heterozygosity and comparative genomic hybridization utilizing high density single nucleotide polymorphism arrays. Cancer Genetics & Cytogenetics, 2005, 159: 53-57.
108. Kim, Y, McBride, J, Zhang, R, Zhou, X, and Wong, D T. p12(CDK2-AP1) mediates DNA damage responses induced by cisplatin. Oncogene, 2005; 24: 407-418.
109. Zhou, X, Egusa, H, Cole, S W, Nishimura, I, and Wong, D T W. Methodology of microarray data analysis. In: M. A. Hayat (ed.), Handbook of Immunohistochemistry and in situ Hybridization of Human Carcinomas (Molecular Genetics, Liver Carcinoma and Pancreatic Cancer), Vol. 3, ISBN: 0-12-088404-6; Chap. 1, Sect 2, pp. 17-28, 2005.
110. Hu, S, Xie, Y, Ramachandran, P, Loo, R R, Li, Y, Loo, J A, and Wong, D T. Large-Scale Identification of Human Oral Fluid Proteins by Liquid Chromatography-Mass Spectrometry. Proteomics, 2005, 5: 1714-1728.
111. Gu, F, Lux, R, Du-Thumm, L, Stokes, I, Kreth, J, Anderson, M H, Wong, D T, Wolinsky, L, Sullivan, R, and Shi, W In situ and non-invasive detection of specific bacterial species in oral biofilms using fluorescently labeled monoclonal antibodies. J Microbiol Methods, 2005; 62: 145-160.
112. Figueiredo, M L, Kim, Y, St John, M A, and Wong, D T. p12CDK2-AP1 gene therapy strategy inhibits tumor growth in an in vivo mouse model of head and neck cancer. Clin Cancer Res, 2005; 11: 3939-3948.
113. Kim, Y, Ohyama, H, Patel, V, Figueiredo, M L, and Wong, D T. Mutation of Cys10 105 inhibits dimerization of p12CDK2-AP1 and its growth suppressor effect. J Biol Chem, 2005; 280: 23273-23279.
114. Li, Y, Denny, P, Ho, C M, Montemagno, C, Shi, W, Qi, F, Wu, B, Wolinsky, L, and Wong, D T. The Oral Fluid MEMS/NEMS Chip (OFMNC): diagnostic and translational applications. Adv Dent Res, 2005; 18: 3-5.
115. Yang, C Y, Brooks, E, Li, Y, Denny, P, Ho, C M, Qi, F, Shi, W, Wolinsky, L, Wu, B, Wong, D T and Montemagno, C D Detection of picomolar levels of interleukin-8 in human saliva by SPR. Lab Chip, 2005; 5: 1017-1023.
116. Zhou, X, Jordan, R C, Li, Y, Huang, B L, and Wong, D T. Frequent allelic imbalances at 8p and 11q22 in oral and oropharyngeal epithelial dysplastic lesions. Cancer Genet Cytogenet, 2005; 161: 86-89.
117. Zhou, X, Temam, S, Chen, Z, Ye, H, Mao, L and Wong, D T. Allelic imbalance analysis of oral tongue squamous cell carcinoma by high-density single nucleotide polymorphism arrays using whole-genome amplified DNA. Hum Genet, 2005; 118: 504-507..

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118. Zhou, X, Yu, T, Cole, S and Wong, D T. Advancement in characterization of genomic alterations for improved diagnosis, treatment and prognostics in cancer. Expert Rev Mol Diagn, 2006; 6: 39-50.
119. Forde, M D, Koka, S, Eckert, S E, Carr, A B, and Wong, D T Systemic assessments utilizing saliva: part 1 general considerations and current assessments. Int J Prosthodont, 2006; 19: 43-52.
120. Li, Y, Elashoff, D, Oh, M, Sinha, U, St John, M A, Zhou, X, Abemayor, E, and Wong, D T Serum circulating human mRNA profiling and its utility for oral cancer detection. J Clin Oncol, 2006; 24: 1754-1760.
121. Figueiredo, M L, Dayan, S, Kim, Y, McBride, J, Kupper, T S, and Wong, D T Expression of cell-cycle regulator CDK2-associating protein 1 (p12(CDK2AP1)) in transgenic mice induces testicular and ovarian atrophy in vivo. Mol Reprod Dev, 2006; 73: 987-997.
122. St John, M A, Abemayor, E and Wong, D T. Recent new approaches to the treatment of head and neck cancer. Anti-Cancer Drugs, 2006; 17: 365-375.
123. Brinkman, B M and Wong, D T. Disease mechanism and biomarkers of oral squamous cell carcinoma. Curr Opin Oncol, 2006; 18: 228-233.
124. Wong, D T. Salivary diagnostics powered by nanotechnologies, proteomics and genomics. J American Dental Association, 2006; 137: 313-321.
125. Park, N J, Li, Y, Yu, T, Brinkman, B M, and Wong, D T. Characterization of RNA in saliva. Clin Chem, 2006; 52: 988-994. **NIHMS15843**
126. Wong, D T Salivary Diagnostics for Oral Cancer. J. California Dent. Assoc., 2006; 34: 303-308.
127. Nguyen, S and Wong, D T Cultural, Behavioral, Social, and Psychological Perception of Saliva: Relevance to Clinical Diagnostics. J. California Dent. Assoc., 2006; 34: 317-322.
128. Ramachandran, P, Boontheung, P, Xie, Y, Sondej, M, Wong, D T, and Loo, J A Identification of N-linked glycoproteins in human saliva by glycoprotein capture and mass spectrometry. J Proteome Res, 2006; 5: 1493-1503.
129. Wong, D T. Towards a simple, saliva-based test for the detection of oral cancer 'oral fluid (saliva), which is the mirror of the body, is a perfect medium to be explored for health and disease surveillance. Expert Rev Mol Diagn, 2006; 6: 267-272.
130. Kwong, J, Lee, J Y, Wong, K K, Zhou, X, Wong, D T, Lo, K W, Welch, W R, Berkowitz, R S, and Mok, S C Candidate tumor-suppressor gene DLEC1 is frequently downregulated by promoter hypermethylation and histone hypoacetylation in human epithelial ovarian cancer. Neoplasia, 2006; 8: 268-278.
131. Zhou, X, Temam, S, Oh, M, Pungpravat, N, Huang, B L, Mao, L, and Wong, D T Global expression-based classification of lymph node metastasis and extracapsular spread of oral tongue squamous cell carcinoma. Neoplasia, 2006; 8: 925-932.

132. Park, N J, Yu, T, Nabili, V, Brinkman, B M, Henry, S, Wang, J, and Wong, D T RNAProtect Saliva: An Optimal Room- Temperature Stabilization Reagent for the Salivary Transcriptome. Clin Chem, 2006; 52: 2303-2304.
133. Hu, S, Li, Y, Wang, J, Xie, Y, Tjon, K, Wolinsky, L, Loo, R R, Loo, J A, and Wong, D T Human saliva proteome and transcriptome. J Dent Res, 2006; 85: 1129-1133.
134. Hu, S, Loo, J A L, and Wong, D T W Human body fluid proteome analysis. Proteomics, 2006; 6: 6326-6353.
135. Park, N J, Zhou, X, Yu, T, Brinkman, B M, Zimmermann, B G, Palanisamy, V, and Wong, D Characterization of salivary RNA by cDNA library analysis. Arch Oral Biol, 2007; 52: 30-35. **PMCID: PMC2743855**
136. Peng, H, Shintani, S, Kim, Y, and Wong, D T. Loss of p12CDK2-AP1 expression in human oral squamous cell carcinoma with disrupted transforming growth factor  $\beta$ -Smad signaling pathway Neoplasia, 2007; 8: 1028-1036.
137. Gau, V and Wong, D Oral fluid nanosensor test (OFNASET) with advanced electrochemical-based molecular analysis platform. Ann N Y Acad Sci, 2007; 1098: 401-410.
138. Hu, S, Loo, J A, and Wong, D T Human saliva proteome analysis. Ann N Y Acad Sci, 2007; 1098: 323-329.
139. Wong, D T Salivary transcriptome. Clin Cancer Res, 2007; 13: 1350-1351; author reply 1351.
140. Zimmermann, B G, Park, N J, and Wong, D T Genomic targets in saliva. Ann N Y Acad Sci, 2007; 1098: 184-191.
141. Ye, H, Pungpravat, N, Huang, B L, Muzio, L L, Mariggio, M A, Chen, Z, Wong, D T, and Zhou, X Genomic assessments of the frequent loss of heterozygosity region on 8p21.3 approximately p22 in head and neck squamous cell carcinoma. Cancer Genetics and Cytogenetics, 2007; 176: 100-106.
142. Yu, T, Ye, H, Sun, W, Li, K C, Chen, Z, Jacobs, S, Bailey, D K, Wong, D T, and Zhou, X A forward-backward fragment assembling algorithm for the identification of genomic amplification and deletion breakpoints using high-density single nucleotide polymorphism (SNP) array. BMC Bioinformatics, 2007; 8: 145.
143. Molinolo, A A, Hewitt, S M, Amornphimoltham, P, Keelawat, S, Rangaeng, S, Meneses Garcia, A, Raimondi, A R, Jufe, R, Itoiz, M, Gao, Y, Saranath, D, Kaleebi, G S, Yoo, G H, Leak, L, Myers, E M, Shintani, S, Wong, D, Massey, H D, Yeudall, W A, Lonardo, F, Ensley, J, and Gutkind, J S Dissecting the Akt/mammalian target of rapamycin signaling network: emerging results from the head and neck cancer tissue array initiative. Clin Cancer Res, 2007; 13: 4964-4973.
144. Hu, S, Loo, J A, and Wong, D T Human saliva proteome analysis and disease biomarker discovery. Expert Rev Proteomics, 2007; 4: 531-538.

145. Hu, S, Wang, J, Meijer, J, leong, S, Xie, Y, Yu, T, Zhou, H, Henry, S, Vissink, A, Pijpe, J, Kallenberg, C, Elashoff, D, Loo, J A, and Wong, D T Salivary proteomic and genomic biomarkers for primary Sjogren's syndrome. Arthritis and Rheumatism, 2007; 56: 3588-3600. **PMCID: PMC2856841**
146. Hu, S and Wong, D T Oral cancer proteomics. Current opinion in molecular therapeutics, 2007; 9: 467-476.
147. Hu, S, Yen, Y, Ann, D, and Wong, D T Implications of salivary proteomics for cancer drug discovery. Drug Discovery, 2007; 12: 911-916.
148. Hu, S, Yu, T, Xie, Y, Yang, Y, Li, Y, Zhou, X, Tsung, S, Loo, R R, Loo, J R, and Wong, D T Discovery of oral fluid biomarkers for human oral cancer by mass spectrometry. Cancer Genomics Proteomics, 2007; 4: 55-64.
149. Zhou, X and Wong, D T Single nucleotide polymorphism mapping array assay. Methods Mol Biol, 2007; 396: 295-314.
150. Gau, V and Wong, D Oral fluid nanosensor test (OFNASET) with advanced electrochemical-based molecular analysis platform. Ann N Y Acad Sci, 2007; 1098: 401-410.
151. Whitelegge, J, Zabrouskov, V, Halgrand, F, Souda, P, Bassilian, S, Yan, W, Wolinsky, L, Loo, J A, Wong, D T, and Faull, K. Protein-sequence polymorphisms and post-translational modifications in proteins from human saliva using top-down Fourier-transform ion cyclotron resonance mass spectrometry. International Journal of Mass Spectrometry, 2007; 268: 190-197. **PMCID: PMC2131703**
152. Zimmermann, B G and Wong, D T. Salivary mRNA targets for cancer diagnostics. Oral Oncol, 2007.
153. Wong, D T. Saliva Diagnostics. American Scientist, 2008; 96: 37-43. **PMCID: PMC2741028** (2010 George Bugliarello Prize for best paper in American Scientist, 2008 and 2009)
154. Ye, H, Yu, T, Temam, S, Ziober, B L, Wang, J, Schwartz, J L, Mao, L, Wong, D T, and Zhou, X. Transcriptomic dissection of tongue squamous cell carcinoma. BMC Genomics, 2008; 9: 69. **PMCID: PMC2262071**
155. Tan, W, Sabet, L, Li, Y, Yu, T, Klokkevold, P R, Wong, D T, and Ho, C M Optical protein sensor for detecting cancer markers in saliva. Biosens Bioelectron, 2008. **PMCID: PMC2584973**
156. Hu, Z, Zimmermann, B G, Zhou, H, Wang, J, Henson, B S, Yu, W, Elashoff, D, Krupp, G, and Wong, D T Exon-Level Expression Profiling: A Comprehensive Transcriptome Analysis for Oral Fluids. Clin Chem, 2008, 54: 824-832. **PMCID: PMC2799536**.

157. Denny, P, Hagen, F K, Hardt, M, Liao, L, Yan, W, Arellano, M, Bassilian, S, Bedi, G S, Boontheung, P, Cociorva, D, Delahunty, C M, Denny, T, Dunsmore, J, Faull, K F, Gilligan, J, Gonzalez-Begne, M, Halgand, F, Hall, S C, Han, X, Henson, B, Hewel, J, Hu, S, Jeffrey, S, Jiang, J, Loo, J A, Ogorzalek Loo, R R, Malamud, D, Melvin, J E, Miroshnychenko, O, Navazesh, M, Niles, R, Park, S K, Prakobphol, A, Ramachandran, P, Richert, M, Robinson, S, Sondej, M, Souda, P, Sullivan, M A, Takashima, J, Than, S, Wang, J, Whitelegge, J P, Witkowska, H E, Wolinsky, L, Xie, Y, Xu, T, Yu, W, Ytterberg, J, Wong, D T, Yates, J R, 3rd, and Fisher, S J The Proteomes of Human Parotid and Submandibular/Sublingual Gland Salivas Collected as the Ductal Secretions. J Proteome Res, 2008; 7: 1994-2006. **PMCID: 2839126**
158. Segal, A and Wong, D T Salivary diagnostics: enhancing disease detection and making medicine better. Eur J Dent Educ, 2008; 12 Suppl 1: 22-29. **PMCID: PMC2674509**
159. Deshpande, A M and Wong, D T Molecular mechanisms of head and neck cancer. Expert review of anticancer therapy, 2008; 8: 799-809. **PMCID: PMC2709830**
160. Wei, F, Wang, J, Liao, W, Zimmermann, B G, Wong, D T, and Ho, C M Electrochemical detection of low-copy number salivary RNA based on specific signal amplification with a hairpin probe. Nucleic acids research, 2008. **PMCID: PMC2441804**
161. Koka, S, Beebe, T J, Merry, S P, Dejesus, R S, Berlanga, L D, Weaver, A L, Montori, V M, and Wong, D T The preferences of adult outpatients in medical or dental care settings for giving saliva, urine or blood for clinical testing. J Am Dent Assoc, 2008; 139: 735-740. **PMCID: PMC2694856**
162. Srivastava, A, Wang, J, Zhou, H, Melvin, J E, and Wong, D T Age and gender related differences in human parotid gland gene expression. Arch Oral Biol, 2008; 53: 1058-1070. PMID: 18571147; **PMCID: PMC2633719**
163. Palanisamy, V, Park, N J, Wang, J, and Wong, D T AUF1 and HuR Proteins Stabilize Interleukin-8 mRNA in Human Saliva. J Dent Res, 2008; 87: 772-776. **PMCID: PMC2572714**
164. Brooks, M N, Wang, J, Li, Y, Zhang, R, Elashoff, D, and Wong, D T Salivary protein factors are elevated in breast cancer patients. Mol Med Report, 2008; 1: 375-378. **PMCID: PMC2763326**.
165. Hu, S, Arellano, M, Boontheung, P, Wang, J, Zhou, H, Elashoff, D, Loo, J A, and Wong, D T Salivary Proteomics for Oral Cancer Biomarker Discovery. Clin Cancer Res, 2008; 14: 6246-6252. PMID: 18829504; **NIHMSID # 92330**
166. Arellano-Garcia, M E, Hu, S, Wang, J, Henson, B, Zhou, H, Chia, D, and Wong, D T Multiplexed immunobead-based assay for detection of oral cancer protein biomarkers in saliva. Oral Dis, 2008; 14: 705-712. **PMCID: PMC2675698**.
167. Zhang, L, Jiang, J, Arellano, M, Yan, X, Wong, D T, and Hu, S Quantification of Serum Proteins of Metastatic Oral Cancer Patients Using LC-MS/MS and iTRAQ Labeling. Open Proteomics J, 2008; 1: 72-78. **PMCID: PMC2871699**.

168. Hu, S, Zhou, M, Jiang, J, Wang, J, Elashoff, D, Gorr, S, Michie, S A, Spijkervet, F K, Bootsma, H, Kallenberg, C G, Vissink, A, Horvath, S, and Wong, D T Systems biology analysis of sjogren's syndrome and mucosa-associated lymphoid tissue lymphoma in parotid glands. Arthritis Rheum, 2009; 60: 81-92. **PMCID: PMC2718690**
169. Jiang, J, Park, N J, Hu, S, and Wong, D T A universal pre-analytic solution for concurrent stabilization of salivary proteins, RNA and DNA at ambient temperature. Arch Oral Biol, 2009; 54: 268-273. **PMCID: PMC2674508**
170. Yan, W, Apweiler, R, Balgley, B M, Boonthueung, P, Bundy, J L, Cargile, B J, Cole, S, Fang, X, Gonzalez-Begne, M, Griffin, T J, Hagen, F, Hu, S, Wolinsky, L E, Lee, C S, Malamud, D, Melvin, J E, Menon, R, Mueller, M, Qiao, R, Rhodus, N L, Sevinsky, J R, States, D, Stephenson, J L, Than, S, Yates, J R, Yu, W, Xie, H, Xie, Y, Omenn, G S, Loo, J A, and Wong, D T Systematic comparison of the human saliva and plasma proteomes. Proteomics Clin Appl, 2009; 3: 116-134. **PMCID: PMC2773554.**
171. Deshpande, A M, Dai, Y S, Kim, Y, Kim, J, Kimlin, L, Gao, K, and Wong, D T Cdk2ap1 is required for epigenetic silencing of Oct4 during murine embryonic stem cell differentiation. J Biol Chem, 2009; 284: 6043-6047. **PMCID: PMC2649091**
172. Kim, Y, McBride, J, Kimlin, L, Pae, E K, Deshpande, A, and Wong, D T Targeted inactivation of p12, CDK2 associating protein 1, leads to early embryonic lethality. PLoS ONE, 2009; 4: e4518. **PMCID: PMC2641017**
173. Giannobile, W V, Beikler, T, Kinney, J S, Ramseier, C A, Morelli, T, and Wong, D T Saliva as a diagnostic tool for periodontal disease: current state and future directions. Periodontol 2000, 2009; 50: 52-64. PMID: 19388953
174. Gu, F, Li, Y, Zhou, C, Wong, D T, Ho, C M, Qi, F, and Shi, W Bacterial 16S rRNA/rDNA Profiling in the Liquid Phase of Human Saliva. Open Dent J, 2009; 3: 80-84. **PMCID: PMC2698422.**
175. Sondej, M, Denny, P A, Xie, Y, Ramachandran, P, Si, Y, Takashima, J, Shi, W, Wong, D T, Loo, J A, and Denny, P Glycoprofiling of the Human Salivary Proteome. Clinical Proteomics, 2009; 5: 52-68. **PMCID: PMC2782851**
176. Lawi, W, Wiita, C, Snyder, S T, Wei, F, Wong, D, Wong, P K, Liao, J C, Haake, D, and Gau, V A Microfluidic Cartridge System for Multiplexed Clinical Analysis. JALA Charlottesv Va, 2009; 14: 407-412. **PMCID: PMC2808045.**
177. Wei, F, Liao, W, Xu, Z, Yang, Y, Wong, D T, and Ho, C M Bio/abiotic interface constructed from nanoscale DNA dendrimer and conducting polymer for ultrasensitive biomolecular diagnosis. SMALL, 2009; 5: 1784-1790. **NIHMSID# 109828.**
178. Gao, K, Zhou, H, Zhang, L, Lee, J W, Zhou, Q, Hu, S, Wolinsky, L E, Farrell, J, Eibl, G, and Wong, D T Systemic disease-induced salivary biomarker profiles in mouse models of melanoma and non-small cell lung cancer. PLoS ONE, 2009; 4: e5875. **PMCID: PMC2691577**
179. Kim, Y, Deshpande, A, Dai, Y, Kim, J J, Lindgren, A, Conway, A, Clark, A T, and Wong, D T Cyclin-dependent kinase 2-associating protein 1 commits murine embryonic stem cell differentiation through retinoblastoma protein regulation. J Biol Chem, 2009; 284: 23405-23414. **PMCID: PMC2749114**

180. Wei, F, Patel, P, Liao, W, Chaudhry, K, Zhang, L, Arellano-Garcia, M, Hu, S, Elashoff, D, Zhou, H, Shukla, S, Shah, F, Ho, C M, and Wong, D T Electrochemical sensor for multiplex biomarkers detection. Clin Cancer Res, 2009; 15: 4446-4452. PMCID: 2799532.
181. Lee, J M, Garon, E, and Wong, D T Salivary Diagnostics. Orthodontics and Craniofacial Research, 2009; 12: 206-211. **PMCID: PMC19627522**
182. Park, N J, Zhou, H, Elashoff, D, Henson, B S, Kastratovic, D A, Abemayor, E, and Wong, D T Salivary microRNA: discovery, characterization, and clinical utility for oral cancer detection. Clin Cancer Res, 2009; 15: 5473-5477. **PMCID: PMC2752355**.
183. Zhang, L, Henson, B S, Camargo, P M, and Wong, D T The clinical value of salivary biomarkers for periodontal disease. Periodontol 2000, 2009; 51: 25-37.
184. Hu, S and Wong, D T Lectin Microarray. Proteomics Clin Appl, 2009; 3: 148-154.
185. Lee, Y H and Wong, D T Saliva: an emerging biofluid for early detection of diseases. Am J Dent, 2009; 22: 241-248.
186. Arellano, M, Jiang, J, Zhou, X, Zhang, L, Ye, H, Wong, D T, and Hu, S Current advances in identification of cancer biomarkers in saliva. Front Biosci (Schol Ed), 2009; 1: 296-303.
187. Zhang, L, Xiao, H, and Wong, D T Salivary biomarkers for clinical applications. Mol Diagn Ther, 2009; 13: 245-259.

## 2010-Present

188. Sugimoto, M, Wong, D T, Hirayama, A, Soga, T, and Tomita, M Capillary electrophoresis mass spectrometry-based saliva metabolomics identified oral, breast and pancreatic cancer-specific profiles. Metabolomics, 2010; 6: 78-95. **PMCID: PMC2818837**.
189. Palanisamy, V, Sharma, S, Deshpande, A, Zhou, H, Gimzewski, J, and Wong, D T Nanostructural and transcriptomic analyses of human saliva derived exosomes. PLoS ONE, 2010; 5: e8577. **PMCID: PMC2797607**.
190. Zhang, L, Farrell, J J, Zhou, H, Elashoff, D, Akin, D, Park, N H, Chia, D, and Wong, D T Salivary Transcriptomic Biomarkers for Detection of Resectable Pancreatic Cancer. Gastroenterology, 2010; 138: 949-957 e947. **PMCID: PMC2831159**.
191. Ryan, C M, Souda, P, Halgand, F, Wong, D T, Loo, J A, Faull, K F, and Whitelegge, J P Confident Assignment of Intact Mass Tags to Human Salivary Cystatins Using Top-Down Fourier-Transform Ion Cyclotron Resonance Mass Spectrometry. J Am Soc Mass Spectrom, 2010.
192. Halgand, F, Zabrouskov, V, Bassilian, S, Souda, P, Wong, D T, Loo, J A, Faull, K F, and Whitelegge, J P Micro-heterogeneity of human saliva Peptide P-C characterized by high-resolution top-down Fourier-transform mass spectrometry. J Am Soc Mass Spectrom, 2010; 21: 868-877.

193. Sharma, S, Rasool, H I, Palanisamy, V, Mathisen, C, Schmidt, M, Wong, D T, and Gimzewski, J K Structural-mechanical characterization of nanoparticle exosomes in human saliva, using correlative AFM, FESEM, and force spectroscopy. ACS Nano, 2010; 4: 1921-1926. **PMCID: 2866049**.
194. Ai, J, Smith, B, and Wong, D T Saliva Ontology: An ontology-based framework for a Salivaomics Knowledge Base. BMC Bioinformatics, 2010; 11: 302. **PMCID: 2898059**
195. Henson, B S and Wong, D T Collection, storage, and processing of saliva samples for downstream molecular applications. Methods Mol Biol, 2010; 666: 21-30.
196. Hu, S, Jiang, J, and Wong, D T Proteomic analysis of saliva: 2D gel electrophoresis, LC-MS/MS, and Western blotting. Methods Mol Biol, 2010; 666: 31-41.
197. Palanisamy, V and Wong, D T Transcriptomic analyses of saliva. Methods Mol Biol, 2010; 666: 43-51.
198. Hu, S, Gao, K, Pollard, R, Arellano, M, Zhou, H, Zhang, L, Elashoff, D, Kallenberg, C G, Vissink, A, and Wong, D T Preclinical validation of salivary biomarkers for primary Sjogren's syndrome. Arthritis Care Res (Hoboken), 2010.
199. Loo, J A, Yan, W, Ramachandran, P, and Wong, D T Comparative Human Salivary and Plasma Proteomes. Journal of Dental Research, 2010.
200. Zhang, L, Xiao, H, Karlan, S, Zhou, H, Gross, J, Elashoff, D, Akin, D, Yan, X, Chia, D, Karlan, B, and Wong, D T Discovery and preclinical validation of salivary transcriptomic and proteomic biomarkers for the non-invasive detection of breast cancer. PLoS ONE, 2010; 5: e15573. **PMCID: 3013113**.
201. Xiao, H and Wong, D T Proteomics and its applications for biomarker discovery in human saliva. Bioinformation, 2010; 5: 294-296. **PMCID: 3043350**.
202. Spielmann, N and Wong, D T Saliva: diagnostics and therapeutic perspectives. Oral diseases, 2011; 17: 345-354. **PMCID: 3056919**.
203. Brinkmann, O, Kastratovic, D A, Dimitrijevic, M V, Konstantinovic, V S, Jelovac, D B, Antic, J, Nestic, V S, Markovic, S Z, Martinovic, Z R, Akin, D, Spielmann, N, Zhou, H, and Wong, D T Oral squamous cell carcinoma detection by salivary biomarkers in a Serbian population. Oral oncology, 2011; 47: 51-55. **PMCID: 3032819**.
204. Hu, S, Vissink, A, Arellano, M, Roozendaal, C, Zhou, H, Kallenberg, C G, and Wong, D T Identification of autoantibody biomarkers for primary Sjogren's syndrome using protein microarrays. Proteomics, 2011; 11: 1499-1507.
205. Lee, Y H, Zhou, H, Reiss, J K, Yan, X, Zhang, L, Chia, D, and Wong, D T Direct saliva transcriptome analysis. Clin Chem, 2011; 57: 1295-1302.
206. Sharma, S, Liao, W, Zhou, X, Wong, D T, and Lichtenstein, A Exon 11 skipping of E-cadherin RNA downregulates its expression in head and neck cancer cells. Mol Cancer Ther, 2011; 10: 1751-1759. **PMCID: 3170438**.
207. Farrell, J, Zhang, L, Zhou, H, Chia, D, Elashoff, D, Akin, D, Paster, B, Joshipura, K J, and Wong, D T Variations of Oral Microbiota Are Associated with Pancreatic Diseases including Pancreatic Cancer. Gut, 2012; 61: 582-588.



208. Urdea, M S, Neuwald, P D, Greenberg, B L, Glick, M, Galloway, J, Williams, D, and Wong, D T Saliva, diagnostics, and dentistry. Advances in Dental Research, 2011; 23: 353-359.
209. Baum, B J, Yates, J R, 3rd, Srivastava, S, Wong, D T, and Melvin, J E Scientific frontiers: emerging technologies for salivary diagnostics. Advances in Dental Research, 2011; 23: 360-368. **PMCID: 3172997**.
210. Cheng, Y S, Rees, T, Jordan, L, Oxford, L, O'Brien, J, Chen, H S, and Wong, D Salivary endothelin-1 potential for detecting oral cancer in patients with oral lichen planus or oral cancer in remission. Oral Oncology, 2011; 47: 1122-1126. **PMCID: 3225505**.
211. Wang, C, Liu, X, Chen, Z, Huang, H, Jin, Y, Kolokythas, A, Wang, A, Dai, Y, Wong, D T, and Zhou, X Polycomb group protein EZH2-mediated E-cadherin repression promotes metastasis of oral tongue squamous cell carcinoma. Mol Carcinog, 2011. **PMCID: 3400713**.
212. Brinkmann, O and Wong, D T Salivary transcriptome biomarkers in oral squamous cell cancer detection. Adv Clin Chem, 2011; 55: 21-34.
213. Vissink, A, Bootsma, H, Spijkervet, F K, Hu, S, Wong, D T, and Kallenberg, C G Current and future challenges in primary Sjogren's syndrome. Current pharmaceutical biotechnology, 2012.
214. Lau, C S and Wong, D T Breast Cancer Exosome-like Microvesicles and Salivary Gland Cells Interplay Alters Salivary Gland Cell-Derived Exosome-like Microvesicles In Vitro. PLoS ONE, 2012; 7: e33037. **PMCID: 3308964**.
215. Elashoff, D, Zhou, H, Reiss, J, Wang, J, Xiao, H, Henson, B, Hu, S, Arellano, M, Sinha, U, Le, A, Messadi, D, Wang, M, Nabili, V, Lingen, M, Morris, D, Randolph, T, Feng, Z, Akin, D, Kastratovic, D A, Chia, D, Abemayor, E, and Wong, D T Prevalidation of salivary biomarkers for oral cancer detection. Cancer Epidemiol Biomarkers Prev, 2012; 21: 664-672. **PMCID: 3319329**
216. Xiao, H and Wong, D T Proteomic analysis of microvesicles in human saliva by gel electrophoresis with liquid chromatography-mass spectrometry. Analytica chimica acta, 2012; 723: 61-67.
217. Xiao, H and Wong, D T Method development for proteome stabilization in human saliva. Analytica chimica acta, 2012; 722: 63-69.
218. Xiao, H, Zhang, L, Zhou, H, Lee, J M, Garon, E B, and Wong, D T Proteomic analysis of human saliva from lung cancer patients using two-dimensional difference gel electrophoresis and mass spectrometry. Mol Cell Proteomics, 2012; 11: M111 012112. **PMCID: 3277759**.
219. Kim, J K, Zhou, H Z, Nabili, V, Wang, M, Abemayor, E, and Wong, D T W Utility of Multiple Sampling in Reducing Variation of Salivary Interleukin-8 and Interleukin-1 $\beta$  mRNA Levels in Healthy Adults. Head Neck, 2012: in press.
220. Deshpande, A, Khalid, O, Kim, J J, Kim, Y, Lindgren, A, Clark, A, and Wong, D Cdk2ap2 is a Novel Regulator for Self-Renewal of Murine Embryonic Stem Cells. Stem Cells Dev, 2012.

221. Halgand, F, Zabrouskov, V, Bassilian, S, Souda, P, Loo, J A, Faull, K F, Wong, D T, and Whitelegge, J P Defining Intact Protein Primary Structures from Saliva: A Step toward the Human Proteome Project. Anal Chem, 2012; 84: 4383-4395.
222. Ai, J Y, Smith, B, and Wong, D T Bioinformatics advances in saliva diagnostics. Int J Oral Sci, 2012; 4.
223. Brinkmann, O, Spielmann, N, and Wong, D T Salivary diagnostics: moving to the next level. Dentistry today, 2012; 31: 54, 56-57; quiz 58-59.
224. Halgand, F, Zabrouskov, V, Bassilian, S, Souda, P, Loo, J A, Faull, K F, Wong, D T, and Whitelegge, J P Defining intact protein primary structures from saliva: a step toward the human proteome project. Anal Chem, 2012; 84: 4383-4395. **PMCID: 3367462.**
225. Zhang, L, Xiao, H, Zhou, H, Santiago, S, Lee, J M, Garon, E B, Yang, J, Brinkmann, O, Yan, X, Akin, D, Chia, D, Elashoff, D, Park, N H, and Wong, D T Development of transcriptomic biomarker signature in human saliva to detect lung cancer. Cell Mol Life Sci, 2012.
226. Gorr, S U, Wennblom, T J, Horvath, S, Wong, D T, and Michie, S A Text-mining applied to autoimmune disease research: the Sjogren inverted question marks syndrome knowledge base. BMC musculoskeletal disorders, 2012; 13: 119.
227. Wei, F and Wong, D T Point-of-care Platforms for Salivary Diagnostics. Chin J Dent Res, 2012; 15: 7-15.
228. Kim, J K, Zhou, H, Nabili, V, Wang, M B, Abemayor, E, and Wong, D T Utility of multiple sampling in reducing variation of salivary interleukin-8 and interleukin-1beta mRNA levels in healthy adults. Head Neck, 2012.
229. Lee, Y H, Kim, J H, Zhou, H, Kim, B W, and Wong, D T Salivary transcriptomic biomarkers for detection of ovarian cancer: for serous papillary adenocarcinoma. J Mol Med (Berl), 2012; 90: 427-434.
230. Wong, D T, Kim, J J, Khalid, O, Sun, H H, and Kim, Y Double edge: CDK2AP1 in cell-cycle regulation and epigenetic regulation. Journal of Dental Research, 2012; 91: 235-241. **PMCID: 3275332.**
231. Horvath, S, Nazmul-Hossain, A N M, Pollard, R P E, Kroese, F G M, Vissink, A, Spijkervet, F K L, Bootsma, H, Michie, S A, Gorr, S-U, Peck, A B, Cai, C, Zhou, H, Kallenberg, C G M, and Wong, D T W Systems Analysis of Primary Sjögren's Syndrome Pathogenesis in Salivary Glands: Comparative Pathways and Molecular Events in Human and a Mouse Model. Arthritis Res Ther, 2012: in press.
232. Spielmann, N, Ilsley, D, Gu, J, Lea, K, Brockman, J, Heater, S, Setterquist, R, and Wong, D T The human salivary RNA transcriptome revealed by massively parallel sequencing. Clin Chem, 2012; 58: 1314-1321.