



# 2nd International Cancer Study & Therapy Conference

February 20-22, 2017 Baltimore, USA

## The presence of breast cancer related proteins in saliva

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The objective of this presentation is to introduce a catalogue of salivary proteins that are altered secondary to carcinoma of the breast. The catalogue of salivary proteins is a compilation of twenty years of research by the author and consists of 233 high and low abundant proteins which have been identified by LC-MS/MS mass spectrometry, 2D-gel analysis and by enzyme-linked immunosorbent assay. Many of the identified proteins are present in the majority of cancer related pathways. Consequently, the body of this research suggests that saliva is a fluid suffused with solubilized by-products of oncogenic expression and that these proteins may be useful in the study of breast cancer progress, treatment efficacy and the tailoring of individualized patient care.

### Biography:

Dr. Charles F. Streckfus is currently a professor in the Department of Diagnostic & Biomedical Sciences at the University of Texas School of Dentistry at Houston and formerly the Assistant Dean of Research at the University of Mississippi Medical center Dental School. He received his Bachelor of Science degree in Biology from Johns Hopkins University and he graduated with a DDS degree from the University of Maryland School of Dentistry. Dr Streckfus was a senior post-doctoral fellow at NIDCR and P.I. of the Oral Physiology component of the Baltimore Longitudinal Study on Aging.

Dr. Streckfus has over 100 peer-reviewed journal articles and has been invited to speak at numerous national and international conferences. He has received many honors and awards which include the prestigious President's Award for Scientific Excellence, Presented by the International Society for Preventive Oncology, awarded at the Pasteur Institute, Paris, France, the NIH Award of Merit for his statistical analysis of the NHANES III Study, the ADA recognition award for services on the Council of Scientific Affairs, the American Academy of Oral Medicine Service Award and the Mayor of Baltimore City Baltimore's Best Award for rendering dental services to the underserved citizens of Baltimore. He was granted 4 patents for his work in breast cancer biomarker research all which were assigned to the University of Mississippi Medical Center and the University of Texas Health Science Center.