CURRICULUM VITAE

Samuel B. Low, D.D.S., M.S., M.Ed.

PERSONAL:

Business Address: University of Florida College of Dentistry

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EDUCATION:

Biology B.S.

Lamar University

Beaumont, Texas

University of Texas D.D.S.

Dental Branch at Houston

Houston, Texas

University of Texas M.S. (Biomedical Science)

Dental Branch at Houston

Houston, Texas

University of Texas Certificate, Periodontics

Dental Branch at Houston

Houston, Texas

University of Florida M.Ed.

College of Education

Gainesville, Florida

PROFESSIONAL LICENSURE:

Texas: State of Texas Board of Dentistry: 10140

Florida: State of Florida Board of Dentistry: T61

BOARD CERTIFICATION:

National Dental Board I, II

Diplomate, American Board of Periodontology

PROFESSIONAL EXPERIENCE:

2017-2022 Chief Dental Officer , Biolase, Inc

2022-present VP Clinical Strategic Alliances, Biolase ( Special Markets, DSO, Clinical Research, Product Development.)

2023 President ,Academy of Laser Dentistry

2017-Present Advisory Faculty , Pankey Institute

2013-2021 Editorial Advisor, General Dentistry

2009-present Editorial Board, Journal of Periodontology

2014-Present Clinical Consultant. PerioSciences

2020-present Clinical Consultant . EMS

2018-present Clinical Consultant. Probiora

2012-present Advisory Board, Phillips Oral Healthcare

1989-Present Consultant to Council on Dental Practice American Dental

Association.

1989-Present Florida Probe Corporation –Board of Directors

HONORS AND AWARDS:

2022 National Distinguished Alumni Award Xi Psi Phi Supreme Chapter

2015 Honorary Fellow, Royal College of Surgeons of Ireland

2010 Professor Emeritus, University of Florida

2010 Gordon Christensen Lecturer of the Year Award

2008 Florida Dental Association Schwartz Lifetime Achievement Award

1999 University of Texas Annual Distinguished Alumni Award

1997 Dentist of the Year, Florida Dental Association

1. Fellow, American College of Dentists

ACADEMIC EXPERIENCE AND APPOINTMENTS:

Present Professor Emeritus, Department of Periodontology

College of Dentistry, University of Florida

1990-Present Advisory Faculty, Pankey Institute for Advanced Dental Education

Present Visiting Professor, Taipei Medical University

2007-2010 Associate Dean, Continuing Education and Strategic

Partnerships

Responsibilities include Corporate Relations for the College of

Dentistry, Continuing Dental Education and Santa Fe

Community College Allied Dental Health Programs

1995-2007 Associate Dean of Administrative Affairs

College of Dentistry, University of Florida

Responsibilities include CEO, Intramural Practice, Continuing  
 Education, and Santa Fe Community College Allied Dental

Health Programs

Department of Periodontics, College of Dentistry,

University of Florida

PROFESSIONAL ORGANIZATIONS:

**American Dental Association**

Board of Trustees 2008-2012

Chair, Diversity Committee 2011-2012

Chair, Governance Committee 2011-2012

Board Liaison, ASDA 2009

Board Liaison, CDEL 2010

Board Liaison, CDBP 2011

Board Liaison, COM 2012

Board Liasion, ADEX 2011-2012

Committee G (specialty recognition) 2004-06

Council on Access, Prevention &

Interprofessional Relations 2004-08

Chairperson, Future of Dentistry, Edu 2001

Scientific Affairs

Reference Committee, Chairperson 2002, 2005

Dental Education

Advisory Committee, Evid-Dentistry 2008

**Academy of General Dentistry** 2000-2020

**Florida Dental Association**

President 2004-2005

Liaison to Florida Board of Dentistry 2005-2008

17th District vice-chair Caucus 2005-2007

Legislative Action Committee 2000-2008

Governmental Affairs Committee 2005-2008

Council on Dental Care 2000-2001

Governance Task Force, Chair 2003-2004

**The American Academy of Periodontology**

President 2009

Chair, Executive Director Search 2012

ADA /AAP Relations 1999-2005

Chair, Nominating Committee 2001-2006

Executive Committee 2006

ADA Liaison Committee, Board Liaison 2005-2008

Task Force on Governance Study,Chair 2007

Task Force on Dental Journal Outreach 2009

Board of Trustees 2004-2008

**American Dental Education Association** Present

**Academy of General Dentistry** Present

**American Association Dental Research** Present

**Academy of Laser Dentistry** Present

**Omicron Kappa Upsilon**

President,

Xi Omicron Chapter

FOUNDATIONS:

National AAP Foundation 2009-2012

SAMPLE PRESENTATIONS 2023

**Feb 2023 Northwest District Dental Association**

Innovative Periodontics: “How To” From Techniques to Products

The “New” Periodontal Disease: Inflammatory and Risky

**Feb 2023 Dental Society of Chester County**

Innovative Periodontics: “How to” from Techniques to Lasers

**March 2023 Hinman Dental**

Successful Tactics in Managing Peri-Implant Diseases

Utilize Todayís Dental Lasers in Managing Periodontal/Soft Tissue Conditions in the Dental Practice: A

Workshop

The Holistic Approach to Manage Todays Periodontal Patient

**March 2023 California Society of Periodontics**

Utilizing Laser Technology for Managing Peri-implantitis to Esthetics

**March 2023 Jersey Coast Dental Forum**

The New Periodontal Disease and How to Manage in Todays Practice.

Please let me know.

SAMPLE PRESENTATIONS: prior 2023

Pankey Institute

AGD Mastership courses for periodontal

ATC/Advanced Laser Perio & Oral Surgery

University of Florida – CE Advanced Ultrasonics

Texas AGD

Chicago Midwinter

Valley Forge Dental Conference

Iowa AGD Mastertrack

Hinman Dental Meeting

Pankey Institute

Malaysian Perio Society

IDEM Singapore Dental

Harrisburg Area Dental Society

Alabama Dental Association

Florida Dental Conference

Alabama AGD

AGD National Meeting

New Jersey Health Professionals Institute

American Academy of Periodontology

Vermont Dental Association

WCLI/World Clinical Laser Institute – Korea

American Dental Association

Seattle Study Clubs

Pankey Institute

Greater New York Dental Meeting

World Laser

Kentucky Dental Association

Star of the South Dental Meeting

Rocky Mountain Dental Conference

Nebraska AGD

Fifth District Dental Meeting

North Carolina AGD

Pacific Dental Conference

American Dental Education Association

Greater Long Island Dental Meeting

Iowa AGD

University of Toronto – School of Dentistry

Star of the North Dental Meeting

ADSO

Michigan Dental Association

Ontario Dental Association

Biolase WCLI – Taiwan

Ireland Royal Society

Journees Dentaires Internationales du Quebec

California Dental Association

American Academy of Dental Practice

SAMPLE PRESENTATION CONTENT

*Lasers, Blades and Electrosurgery, Joint AAO/AAP Conference, Orlando, FL,*

*Incorporating “Quality” Periodontics into Comprehensive Restorative Dentistry & Creating Healthy Pockets Through a Workshop in Technology, The Texas Meeting/Texas Dental Association Annual Session, San Antonio, TX,*

*Keynote Address. Academy of Laser Dentistry, San Diego, California*

*The Impact of Dental Schools on the Future Delivery of Dental Care, Vermont Dental Society/Northeast Delta Dental, Burlington, VT,*

*The New Periodontal Disease. FDI, Mexico City*

*Periodontal disease and technology. Phillips, Tokyo, Japan.*

*Dental Education, Friend or Foe? American Academy of Dental Practice Administration, Scottsdale, AZ,*

*Five Commitments for “Effective” Periodontal Care & Incorporating “Qualtiy” Periodontal Care into Comprehensive Restoration Dentistry, New Orleans Dental Conference, New Orleans, LA,*

*Keynote Address, 22nd Annual Veterinary Dental Forum, Academy of Veterinary Dentistry, American Veterinary Dental Society, Jacksonville, FL,*

*Continuing Education – Who Could Imagine How Much It Impacts Your School? Annual ADEA Annual Session & Exhibition, Phoenix, AZ,*

*Lasers and Managing Periodontitis. The American Academy of Periodontology Annual Meeting, Washington, DC,*

*Advanced Periodontal Instrumentation: A Workshop in Technology & The “New” Periodontal Disease: Inflammatory and Risky, Thomas P. Hinman Dental Meeting, Atlanta, GA,*

*Incorporating “Quality” Periodontology into Comprehensive Restorative Dentistry & Managing the Difficult Periodontal Patient, Rocky Mountain Dental Convention, Denver, CO.,*

*Managing the “Difficult” Periodontal Patient & Technology and Periodontal Therapy: Trays to Lasers, Western Society of Periodontology, Las Vegas, NV,*

*Empowering the Dental Team to Deliver “Quality” Periodotnal Care, West Virginia Academy of General Dentistry, Charleston, WV,*

*Successful Management of Periodontal Disease with Technology and 21st Century Periodontics for Today’s Progressive Restorative Practice, Star of the South Dental Meeting, Houston, TX,*

*Incorporating Quality Periodontics into Restorative Dentistry and Effective Periodontal Therapy Through a Workshop in Technology, SW Dental Conference, Dallas, TX,*

*Managing the Difficult Periodontal Patient, Pittsburgh AGD Meeting, Pittsburgh, PA,*

*The Five Commitments of Quality Periodontal Therapy and Managing the Difficult Periodontal Patient, Tennessee AGD Annual Meeting,*

*Periodontology Lecture, American Dental Association Annual Session, Las Vegas, NV,*

*Incorporating “Quality” Periodontics into Comprehensive Restorative Dentistry, Lone Star Dental Conference, Austin, TX,*

*Delivering “Quality” Periodontal Care Through a Workshop in Technology/ Managing the “Difficult” Periodontal Patient, Chicago Dental Society Midwinter Meeting, Chicago, IL,*

*Managing the Difficult Periodontal Patient/Incorporating “Quality” Periodontics into Comprehensive Restorative Dentistry/Creating Healthy Pockets Through a Workshop in Technology, Texas Dental Association*

*“Effective” Periodontal Care and Empowering to Deliver Quality Pero/Restorative Care, Yankee Dental Congress 30, Boston, MA*

RESEARCH AND GRANT ACTIVITY:

Principal Investigator, Perioglas® in Human Periodontal Defects

U.S. Biomaterials, $35,000,

Clinical Investigator, Bioglass Particulates in Periodontal Osseous Grafting. Samuel B. Low, P.I., DSR, $7,500, (1989). U. S. Biomaterials $32,000.

Clinical Investigator, Ha Ti Implant Project, Mathys Corp., $165,000.00,

Clinical Investigator, Bioglass Clinical Trials. Samuel B. Low, P.I., U.S. Gel Tech, $15,000,

Clinical Investigator, Bioglass Coated Tooth Implants, G. Turner, P.I., $25,000, American Biomaterials Corporation,

Clinical Investigator, Periodontal Disease Research Center, William Clark, P.I., NIH funded, $1,500,000, $4,229,603

Clinical Investigator, Protocol for Evaluation of Squirrel Monkey as a Model for Naturally Occurring Gingivitis, William Clark, P.I., $5,959, Johnson and Johnson,

Clinical Consultant and Co-Director of Sub-Project "Clinical Studies", Periodontal Disease Research Center

Clinical Investigator: Periodontal Disease Research Center Electronic Periodontal Probe Computerized Subtraction Radiography (

Clinical Investigator: Relationship of Post-menopausal Osteoporosis and Periodontal Disease Utilizing Clinical and Microbiologic Parameters

FDA Clearances obtained

Biolase:

**Re: K193486** Trade/Device Name: Epic 980 Regulation Number: 21 CFR 878.4810 Regulation Name: Laser Surgical Instrument For Use In General And Plastic Surgery And In

Dermatology Regulatory Class: Class II

Product Code: GEX Dated: December 13, 2019 Received: December 17, 2019

**Re: K210183** FractionalTrade/Device Name: Waterlase iPLus Regulation Number: 21 CFR 878.4810 Regulation Name: Laser Surgical Instrument For Use In General And Plastic Surgery And In

Dermatology Regulatory Class: Class II

Product Code: GEX, ONG Dated: January 22, 2021 Received: January 25, 2021

**Re K190319** Waterlase iPlus Crown removal September 2019

PATENTS:

Florida Periodontal Probe

Perioglas

BOOKS/CHAPTERS/MONOGRAPHS (selected):

Cobb, C., Coluzzi, D., Low, S*.:  Lasers and the Treatment of Chronic Periodontitis****.* Dental Clinical of North America**

Low, S.:  *Lasers in Surgical Periodontics, Principles and Practice of Laser Dentistry.*  **Elsevier Publishing**

Low, Samuel B.: *Periodontal Preparation*, Henderson, Davis, and Victor L. Steffel, Editor: **McCracken's Removable Partial Denture Prosthodontics. St. Louis, L. V. Mosby, 5th Edition,** Chapter 12, pp. 200-212

Holbrook, T.E. and Low, S.B.: *Power-Driven Scaling and Polishing Instruments*. **Clark's Clinical Dentistry,** Vol. 3, Chapter 5A, pp. 1-24

Javid, N. S. and Low, S. B.: *The Removable Partial Denture as a Periodontal Prosthesis.* **Dental Clinics of North America,** Vol. 28, No. 2, pp. 337-348

Low, Samuel B.: *Periodontal Preparation*, Henderson, Davis, and Victor L. Steffel, Editor: **McCracken's Removable Partial Denture Prosthodontics.** St. Louis, L. V. Mosby, 6th Edition, Chapter 12, pp. 215-227.

NON-REFEREED PUBLICATIONS (selected):

# Low, Samuel and Berger, Maia: *Effective utilization of dental laser technology for gingiva depigmentation/ gum bleaching. A Case Report* *,* Dentaltown 2020

Low, Samuel, Davis, Karen: *Incorporating Lasers Into Dental Hygiene Care****,* RDH 2020**

# Low, Samuel : *Laser Focused: Using Lasers to Manage Perio Implantitis,* Dentaltown 2018

Samuel B Low : *The Dental Laser’s Role in Managing Periodontal Disease,* **Dentaltown 2016**

Low, S.B.: *Using Your Dental Hygienist for Laser Periodontal Care*, **Dental Economics, May, 2014**

Low,S.B.: *Closing the gap in oral health care management*, **Dental Economics**, **October 2013**

Low,S.B.: *Managing Periodontics into a Successful Practice of Dentistry*, **Dental Economics, April, 2012**

Low,S.B.: *New Approaches in Disease Management*, **Compendium, October 2011, Volume 32, Issue 3**

Low, S.B.: *An Ultrasonic Revolution,* **Dimensions of Dental Hygiene, July 2006**

Low, S.B.: *Managing the Difficult Periodontal Patient*, **Inside Dentistry, June 2006, Vol. 2, No. 5, pp 62-65**

Low, S.B.: *The Evolution of Ultrasonic Therapy*, **Dimensions of Dental Hygiene, September, 2004**

Low, S.B.: *Technology and the New Age of Periodontics*, **Dentistry Today, February 2000.**

Low, S.B.: *Technology and Ultrasonic Debridement*, **Compendium of Continuing Dental Education (supplement), Vol. 7, No. 3, 2000.**

Low, S.B.: *Introducing “Quality” Into a Periodontal Environment*, **American Dental Institute, 1999**

Low, S.B.: *Incorporating Total Quality Management into Dental Academics: A Case Report*, **Journal of the American College of Dentists, Summer 1998, Vol. 65, No. 2, pp. 29-32**

Gibbs, C. H., Low, S. B., and Lee, J. G.: *The Florida Probe - Updated for Clinical Practice*, **Florida Dental Association Journal, May 1995**

Fetner, A.E., Hartigan, M.S., and Low, S.B.: *Use of Perioglas® in Periodontal Osseous Defects*, **Compendium, Vol. 15, No. 8, p. 253, 1994.**

REFEREED PUBLICATIONS (selected)

A Roadmap to Success in Managing Early to Severe Peri-implantitis Low,SB ;ChangP / **Dentistry Today** **May 2022**

[Laser-Assisted Esthetic Crown Lengthening: Open-Flap Versus Flapless](http://www.quintpub.com/journals/find_article.php?article_id=21998)  
Walid Altayeb, DDS, PhD/Josep Arnabat-Dominguez, DDS, PhD/Samuel B. Low, DDS, MS, MEd/Ahmed Abdullah, PhD/Georgios E. Romanos, DDS, PhD, Prof Dr Med Dent

**International Journal of Perio and Restorative Dentistry Jan 2022**

Dueling Lasers, A gingival treatment case study and a look at today’s laser options Samuel B Low **Dentaltown September 2021**

[*A Primer on Dental Lasers for Oral Healthcare Management*](https://www.aegisdentalnetwork.com/cced/2019/01/a-primer-on-dental-lasers-for-oral-healthcare-management?page_id=433)*,* Samuel B Low

**Compendium - January 2019**

*Managing Dental Conditions of the Baby Boomer Generation.* Samuel B Low

# Compendium -October 2018

#### Paul S. Rosen, DMD, MS, Samuel B. Low, DDS, MS, MEd, Jeanne M. Salcetti, DDS, MS, MS [*Laser Treatment for Inflammatory Disease: Mainstream or Unconventional*](https://www.aegisdentalnetwork.com/cced/2018/02/laser-treatment-for-inflammatory-disease-mainstream-or-unconventional) Compendium - 2018

Low, Samuel, Allen, Edward P, and. Kontogiorgos Elias D,: *Reduction in Dental Hypersensitivity with Nano-Hydroxyapatite, PotassiumNitrate, Sodium Monoflurophosphate and Antioxidants* ***The Open Dentistry - Journal* 2015**

Low, Samuel, Peak, Michael, Smithson, Christopher, Perrone, Jeanne, Gaddis, Bert, and Kontogiorgos, Elias: *Evaluation of a Topical Gel Containing A Novel Combination Of Essential Oils And Antioxidants For Reducing Oral Malodor In Dogs* **Am J Vet Res 2014; 75:653–657**

Low, S. B., Mott, A,: *Laser Technology to Manage Periodontal Disease: A Valid Concept?* **J Evid Base Dent Pract 2014;14S: [154-159]**

Low, S. B. , King,C. J. ,and Krieger,J.: *An Evaluation of Bioactive Ceramic in the Treatment of Periodontal Osseous Defects, International Journal of Periodontics*

*and Restorative Dentistry* **The International Journal of Periodontics & Restorative Dentistry, Vol. 17, 1997 No. 4, pp. 359-367**

Butler,B.L., Morejon,O, and Low,S.B.: *An Accurate, Time Efficient Method To Assess Plaque Accumulation* **Journal of the American Dental Association,Vol.127, December,1996.**

Low, S. B*.*:  *Clinical Considerations in Non-Surgical Mechanical Therapy*

**Periodontology 2000, Vol. 8, pp. 1-5, 1995**

Magnusson, I., Low, S.B., Clark, W.B., McArthur, W.P., Marks, R., Walker, C.B., Maruniak, J., Taylor, M.: *Treatment of Subjects with Refractory Periodontal Disease* **J. Clinical Perio., Vol. 21, No. 9, pp. 628-638, 1994**

Copulos, T.A., Low, S.B., Walker, C.B., Trebilcock, Y.Y., and Hefti, A.F.: *Comparative Analysis Between Modified Ultrasonic Tips and Hand Instruments on Clinical Parameters of Periodontal Disease* **J. Periodontology, Vol. 64, No. 8, pp. 701-705, 1993**

Chace, R.C., and Low, S.B.: *Survival Characteristic of Periodontally Involved Teeth* **J. Periodontology Vol. 64, No. 8, pp. 694-700, 1993**

ABSTRACTS (selected):

Walker, C., Yang, M., Magnusson, I., Clark, W., Low, S.B.,: *Microbial Differences Between Progressing and Non-Progressing Sites Associated with Refractory Periodontitis* **J. Dental Research, Vol. 73:188, 1994**