

## Chukuka S. Enwemeka, PhD, FACSM

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### I. EDUCATION

1985 Ph.D. Physical Therapy (Pathokinesiology), New York University, NY, NY  
1983 M.S. Physical Therapy, University of Southern California, Los Angeles, CA  
1978 B.Sc. Physiotherapy, University of Ibadan, Nigeria (*2 Upper Class Honors*).

### POST DOCTORAL TRAINING

1985 & 1986 Tissue Culture Research Laboratory, Howard Rusk Institute for Rehabilitation Medicine, New York University Medical Center, New York.

### BOARD CERTIFICATION AND LICENSURE

1983 PT License No. 11783 California Board of Medical Quality Assurance (Inactive)  
1984 PT License No. 2981 New Jersey Board of Medical Examiner (Inactive)  
1989 PT License No. 4053 North Carolina Board of Physical Therapy Examiners (Inactive)  
1990 PT License No 6081 Florida Division of Medical Quality Assurance (Inactive)

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### II. ACADEMIC APPOINTMENTS

#### San Diego State University, San Diego, CA

- Provost and Senior Vice President, since July, 2014

#### University of Wisconsin-Milwaukee, WI

- Emeritus Dean and Emeritus Distinguished Professor, University of Wisconsin – Milwaukee, (Since June 2014)
- Professor and Dean, College of Health Sciences, University of Wisconsin – Milwaukee, (Aug., 2009 to June, 2014); UWM Distinguished Professor, University of Wisconsin – Milwaukee, Aug., 2012 - June, 2014.

#### New York Institute of Technology, Old Westbury, NY

- Dean and Professor, School of Health Professions, March 1, 2003 to July 31, 2009.

#### University of Kansas Medical Center, Kansas City, KS

- Chairman and Professor, Department of Physical Therapy & Rehabilitation Sciences, March, 1, 1993 to February 28, 2003 (10 Years)
- Professor of Anatomy & Cell Biology, July 1993 to June, 1999 (Joint appointment).
- Director, Connective Tissue Research Laboratories, March 1, 1993 - Feb., 28, 2003.

#### Veterans Affairs Medical Center, Kansas City, MO

- Senior Research Investigator Veterans Affairs Medical Center, Kansas City, MO (By joint appointment without compensation), March 1, 1993 to February, 28, 2003).

**University of Miami School of Medicine, Miami, FL**

- Associate Professor of Orthopaedics & Rehabilitation (Sept. 1989 to February 1993)
- Associate Director for Research and Graduate Studies (January 1990 to June, 1992).
- Director, Connective Tissue Research Laboratory, September 1989 – February 1993.

**Veterans Affairs Medical Center, Miami, FL**

- Research Investigator, (By joint appointment, without compensation, September 1989 – February 1993).

**The University of Texas Health Science Center at San Antonio, San Antonio, TX**

- Assistant Professor of Physical Therapy, (March 1986 to August, 1989; Joint Appointment, 50%).
- Assistant Professor of Cellular & Structural Biology (March 1986-August, 1989, Joint Appointment, 50%).
- Assistant Professor of Life Sciences, University of Texas at San Antonio, (March 1, 1986 – August, 1989; Secondary Appointment).
- Assistant Professor of Physiology (March 1, 1987 – August, 1989; Secondary Appointment).
- Assistant Professor of Physical Medicine & Rehabilitation (March 1, 1987 – August, 1989; Secondary Appointment).
- Director, Connective Tissue Research Laboratory, September 1986 to August, 1989.

**Veterans Affairs Medical Center, San Antonio, TX**

- Research Investigator (Joint Appointment, without compensation), January 1987 – September 1989.

**Long Island University, Brooklyn, New York.**

- Adjunct Associate Professor of Physical Therapy, 9/85 - 2/86

**College of Health Sciences, University of Port Harcourt, Port Harcourt, Nigeria.**

- Assistant Lecturer, March 1980 to August, 1984; (On study leave from 8/81 to 8/84)

**Other Academic Appointments**

**Research Institute for Health Science and Education, Tokyo, Japan**

- Visiting Professor, (September 20 to November 20, 2000; and September, 2001).

**Curtin University of Science & Technology, Perth, Australia**

- Visiting Professor, School of Physiotherapy (April 15 – July 15, 2000).
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### III BOARD APPOINTMENTS

#### **California Western School of Law ([www.cwsl.edu](http://www.cwsl.edu))**

- Trustee (since September, 2014). Serves as one of the Trustees that oversees the leadership of a free standing law school.

#### **Zenith Bank, Plc, Lagos, Nigeria ([www.zenithbank.com](http://www.zenithbank.com))**

- Director and Board Member (July 2010 To Date)  
Serves on a 13 Member Board and One of Six Non-Management Directors that oversee the management of the bank. With an asset base of \$17 billion and 384 branches in Nigeria, Ghana, Gambia, Sierra Leone and the United Kingdom, as well as offices in Beijing, China and Johannesburg, South Africa, Zenith Bank is one of the five largest banks on the African continent.

#### **Curative Care Network, Milwaukee, Wisconsin ([www.curative.org](http://www.curative.org))**

- Director and Board Member, (December, 2010 to June, 2014) [Served as director and on a 15-member Board that oversees the management of Curative. Curative Care Network is a multimillion dollar health care & social well-being organization that offers rehabilitative, extended care, youth, family and older adult care services that improves the function and quality of life for persons with disabilities and/or limiting conditions in greater Milwaukee and its surrounding areas.

#### **Milwaukee Academy of Science, Milwaukee, Wisconsin**

- Director, Milwaukee Academy of Science (October 2009 to June, 2014) [Served as Director and on an 18-member Board that oversees the activities of the school, its President and CEO, and her executive management team. Milwaukee Academy of Science is an independent charter school, and “an exemplary leader in innovative science education that maximizes the potential of each young mind. The mission is to graduate urban students prepared to compete successfully in science at the post-secondary level, by providing a rigorous 21st century curriculum taught by master educators in collaboration with students, families, staff, and the community.” It offers K4 through 12<sup>th</sup> grade educational programs.
- Advisory Board Member, City of Milwaukee Health Department Laboratory, 2010 to June, 2014.

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### IV: ACADEMIC LEADERSHIP EXPERIENCE

#### General

#### **San Diego State University (SDSU); June 2014 to date**

- As the Senior Vice President of the university, promotes collaborative activities among the Vice Presidents and other members of the President’s Cabinet
- Serves on the President’s Cabinet and chairs the Academic Deans Council
- Serves as a member of SDSU Research Foundation Board
- As Chief Academic Officer, leads a public research university with more than 35,000 students, over 191 baccalaureate, masters and doctoral degree programs, nearly \$130

- million in research expenditure, 7,700 faculty and staff, 18 athletic teams and nearly 300,000 alumni. (Direct reports include: The Vice President for Research, 10 Deans, four Associate Vice Presidents, and others)
- Shepherded the establishment of seven Areas of Research Excellence campus-wide; under my leadership, research expenditure has risen from \$112m in 2014 to \$130m in 2016.
  - Spearheads the university's Student Success effort and leads a team, including the VP for Student Affairs and several Associate VPs, to strategically advance a multitude of student success initiatives and foster student retention and graduation rates. Since 2014 our 6-year graduation rate has leaped nearly 9%; from 66.5% in 2014 to nearly 75.3% in 2017.
  - Provides supervision and oversight over student enrollment and admission; we have met or exceeded enrollment targets each year while admitting higher achieving students
  - In collaboration with shared governance groups, handles university-wide faculty hires, faculty diversity, faculty retention and faculty tenure and promotion; we have hired nearly 170 faculty under my leadership
  - Oversees a budget in excess of \$350 million; we have balanced the budget each year
  - Shepherds the fundraising efforts of the Division of Academic Affairs, raising more than \$150m; over \$43m in 2014-2015, over \$63m in 2015-2016 and more than \$50m since fall 2016.
  - Led SDSU's effort establishing and operating STEM degree programs in Tbilisi, Georgia; a \$30 million nationally funded program designed to advance science and technology education in the Nation of Georgia; continues to lead this initiative
  - Instituted a Provost's Advisor's Forum designed to enhance advising, train advisors, solicit feedback from stakeholders, and refine advising throughout the university
  - Established Provost's Undergraduate Mentoring Program (PUMP), designed to foster faculty and staff voluntary mentoring of students, particularly those in need of guidance
  - Serves as Provost and Senior Vice President, i.e., the Chief Academic Officer of the university overseeing the research and academic activities of seven Colleges with 15 Schools and more than 100 departments.

**University of Wisconsin – Milwaukee (UWM) (August, 2009 to June, 2014)**

- As Dean, Led a college with over 2,000 doctoral, graduate and undergraduate students and approximately 160 employees at the University of Wisconsin – Milwaukee.
- Served as Chief Academic Officer for five certificate and 15 degree programs.
- Spearheaded the successful development and led efforts to implement the college's 2010 - 2015 Strategic Plan.
- Spearheaded effort to grow student enrollment and retention; gained 7.5% increase in enrollment over the past three years.
- Served actively on several institution-wide initiatives, including Space Planning, Strategic Planning, Growth Agenda, University Policy Review and Development, Budget Review and Reallocation, Graduate School Reorganization, etc.

**New York Institute of Technology, New York, NY (NYIT) (Mar. 1, 2003 to July 31, 2009)**

- As Dean, led a school with nearly 1,800 students, 54 full-time faculty, 115 adjunct faculty and 22 full-time support personnel in seven departments
- Served as Chief Academic Officer for programs in the Life Sciences, Behavioral Sciences, Clinical Nutrition, Nursing, Occupational Therapy, Physical Therapy and Physician Assistant Studies – as well as the Center for Security and Disaster Response.
- Spearheaded efforts to increase enrollment and retention, resulting in increased enrollment from 674 students to nearly 1,800 students within five years, with simultaneous increases in the GPAs and SAT scores of incoming students.
- Led the successful development of a vibrant Center for Security and Disaster Response.
- Served on Presidential Task Forces, including Activity-based Financial Planning, Campus Reorganization, and Institutional 2030 Strategic Planning.
- Developed a strong Community Advisory Board and spearheading efforts to enhance community engagement and visibility.

**University of Kansas Medical Center, Kansas City, KS**

- As chairperson, led a large graduate department with two MS and one PhD program, and as many as 20 faculty and 10 research personnel and staff.
- Raised the department from its floundering status with programs that were on the verge of closure to national eminence; elevating it from an unranked status to the top 5% of 238 physical therapy programs nationally.
- Recruited and mentored dozens of faculty and supported them to achieve promotion and tenure (as academic chairperson). Also mentored dozens of faculty at other institutions to achieve promotion, tenure and other academic and leadership successes.
- Developed a strong Community Advisory Board and spearheading efforts to enhance community engagement and visibility.

**Research, Scholarship and External Fund-Raising**

- Laid plan for a new building facility for the college (UWM); continues to raise funds for the building; currently engaged in a building pre-design for the college.
- Leads by example by remaining actively engaged in bench research both as Dean and as Provost; as Provost, I have garnered more than \$400,000 in research grants.
- Elected University Distinguished Professor based on international reputation. )
- Shepherded the establishment of seven Areas of Research Excellence campus-wide at San Diego State; garnered needed fiscal resources and developed multi-million dollar research facilities campus-wide.
- As chairperson, spearheaded fundraising campaigns, resulting in the development of two endowed research laboratories and two student scholarship programs. The yearly increases in funds derived from these efforts ranged from 1000 - 2,500%.
- Directed and continues to direct a Laser Research Laboratory since 1986 – 30 years; supported my personal research efforts and the training of others through grants – trained dozens of faculty, research fellows, visiting professors, PhD students, etc.

- Chaired the NIH National Advisory Board on Medical Rehabilitation Research and served as a member of the board for four years (1998 to 2002).
- Served as a grant reviewer on four NIH Study Sessions and Panels.
- Served as a grant reviewer for the US Department of Education and the US Department of Veterans Affairs.
- Reviewed grants for the Research Grant Council of Hong Kong and the Medical Research Council of South Africa.
- Serves as Co-Editor-in-Chief of *Photomedicine and Laser Surgery*, the Official Journal of five international organizations (since 2004). In this capacity, I serve as co-leader of a multidisciplinary Editorial Board – dentists, engineers, physicians, scientists, surgeons and others. (Served as editor/Editor-in-Chief of another journal from 1990 to 2003.
- Mentored scores of graduate students, PhDs, MDs, research fellows, visiting professors and others from a wide range of disciplines; including Anatomy, Biochemistry, Biotechnology, Cell Biology, Engineering, Medicine, Physical Therapy, Physiology and Rehabilitation Science.
- Chaired an institutional animal research committee and spearheaded efforts that resulted in successful national reaccreditation of the institution's animal facility.

#### **Academic Program Development & Refinement**

- Led SDSU's effort establishing and operating STEM degree programs in Tbilisi, Georgia, Eastern Europe; a \$30 million nationally funded program designed to advance science and technology education in the Nation of Georgia; continues to lead this initiative
- Spearheaded or shepherded the development and implementation of dozens of academic programs at all degree levels
- Led the successful development and full implementation of an innovative technology driven distance education MS degree program (KUMC)
- Spearheaded the successful development and full implementation of innovative technology driven e-Learning international graduate programs (NYIT)
- Served as academic review consultant to several universities, domestically and internationally

#### **Institutional and Professional Accreditation Experience**

- Provided leadership and oversight of the Western Association of Schools and Colleges (WASC) reaffirmation of accreditation of San Diego State University (2015/2016), resulting in full 10 year reaffirmation of accreditation
- Wrote the school's Middle States accreditation report and served on the Middle States Accreditation Steering Committee of the university – NYIT.
- Shepherded successful national accreditation of five professional programs both as Dean, and as academic Chairperson, and as chairperson, I led the effort to rescued a professional program that had failed reaccreditation and spearheaded effort that resulted in full reaccreditation of the program twice.
- Served on the institutional committee that prepared the University of Kansas Medical Center for North Central State Accreditation site visit, resulting in reaccreditation for 10 years.

- Served a full three-year term as an Accreditation Site Visitor for the Commission on Accreditation in Physical Therapy Education (CAPTE), 1999 to 2001.

### **Fiscal Management**

- As Provost, manages a budget in excess of 350 million dollars.
- As Dean, managed a budget in excess of sixteen million dollars.
- Managed and balanced budgets – unfailingly – every year for over 21 years.
- Led efforts that resulted in significant growth in external research funds, development funds and endowment.
- Serves as one of 13 Directors that oversee the resources and finances of a highly profitable multinational bank (Zenith Bank) with market capitalization of \$17 billion.

### **Strategic Planning Experience**

- Leading the effort to implementation the academic aspects of SDSU's Strategic Plan
- Working with other Vice Presidents and the university leadership to advance other aspects of SDSU's Strategic Plan
- Spearheaded efforts that resulted in successful development and deployment of a college 5-year Strategic Plan (UWM).
- Spearheaded the development of a school 25-year Strategic Plan (at NYIT) and served on the university's 2030 Strategic Plan Steering Committee for four years.
- Served on the 1000 Day Strategic Plan Steering Committee of the University of Kansas Medical Center, Kansas City.
- Spearheaded the development and successful implementation of a five-year Strategic Plan for my department at the University of Kansas Medical Center, boosting the department's performance in research, teaching, service, fund-raising, students' performance on national board exams, communication, etc.
- Led administrative retreats, strategic planning retreats, and program development retreats, as well as process re-engineering retreats as Dean, Chairperson and also as Academic Director.

### **Leadership of Multidisciplinary Teams**

- As Provost, leads a university with more than 35,000 students, over 191 baccalaureate, masters and doctoral degree programs, nearly \$130 million in research expenditure, 7,700 faculty and staff, 18 athletic teams and nearly 300,000 alumni. (Direct reports include: The Vice President for Research, 9 Deans, four Associate Vice Presidents, and others)
- As Dean and Chief Academic Officer, provided leadership for 27 degree programs, including the Behavioral Sciences, the Natural Sciences and the Health Sciences.
- Currently leads a multidisciplinary College of Health Sciences with 15 degree programs and 5 certificate programs (UWM).
- Chaired the NIH National Advisory Board on Medical Rehabilitation Research, which is comprised of bioengineers, consumer advocates, internists, lawyers, surgeons, psychiatrists, engineers, and scientists.
- Held a full two-year term as an elected President of the World Association for Laser Therapy, a multidisciplinary international organization representing 45 nations and comprised of dentists, engineers, nurses, physical therapists, physicians, scientists,

- surgeons, and others, including equipment manufacturers and representatives of industry.
- Serves as Trustee, California Western Law School, San Diego, CA, since 2014
  - Serves as Board Member, San Diego Symphony (since 2016)
  - Serves as Director of a multinational bank; similarly served as Board member/Director of a multimillion dollar health network and a charter school.

### **Conflict Resolution and Ability to Collaborate and Work with Others**

- Actively involved in conflict resolution as Provost
- Served on most Chancellor's/Presidential Committees and Task Forces constituted to handle tough problems, including Budget Allocation and Reallocation Strategies, Space Allocation, Resource Planning, Campus Reorganization, Global Programs Committee and Research Strategic Planning (UWM and NYIT).
- Co-chaired a task force constituted to resolve issues and to develop a framework for all the Clinical Services at the University of Kansas Center on Aging.
- Initiated and developed interdisciplinary collaborative ties between my academic units and others in the institution; including collaborative research, shared teaching responsibilities, shared academic resources, and mutually beneficial cross-appointment of faculty, both as Dean and as Chairperson.

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## **II. PUBLICATIONS**

Authored more than 80 peer-reviewed papers, two book chapters, a video and books; *H-Index* = 34 (22 since 2012 alone); *g-Index* = 66; *i10-Index* = 51; number of citations = 4,939; 133 citations/year for the past 36 years; (see: <http://scholar.google.com/>.)

*The following are Peer-reviewed original publications except as noted.*

1. Aboualizadeh E, Bumah VV, Masson-Meyers DS, Eells JT, Hirschmugl CJ, **Enwemeka CS**: Infrared microspectroscopy study: understanding the antimicrobial activity of selected disinfectants against methicillin-resistant *Staphylococcus aureus* (MRSA): *PLOS One* (In press; Accepted for publication, September, 2017) **Corresponding Senior Author.**
2. Beiner G, Masson-Meyers D, Bumah V, Hussey G, Stoneman M, **Enwemeka CS**, Raicu V: Blue/violet laser inactivates methicillin-resistant *Staphylococcus aureus* by altering its transmembrane potential. *Journal of Photochemistry and Photobiology B* 170:118-124, May, 2017. <http://doi.org/10.1016/j.jphotobiol.2017.04.002>
3. Bumah VV, Aboualizadeh E, Masson-Meyers D, Eells J, **Enwemeka CS**, Hirschmugl C: Resistance of B-DNA to blue light induced damage in methicillin-resistant *Staphylococcus aureus*. *Journal of Photochemistry & Photobiology, B: Biology* 167:150-157, January 2017.
4. Masson-Meyers DS, Bumah VV, **Enwemeka CS**: Blue light does not impair wound healing *in vitro*. *Journal of Photochemistry and Photobiology B: Biology* 160:53-60, 2016 [**Corresponding Senior Author**].
5. Masson-Meyers DS, Bumah VV, **Enwemeka CS**: A comparison of four methods for determining the viability of human dermal fibroblasts irradiated with blue light. *Journal of Pharmacological and Toxicological Methods* 79:15-22, 2016 [**Corresponding**



**Senior Author].**

6. Bumah VV, Masson-Meyers DS, **Enwemeka CS**: Blue 470 nm light suppresses the growth of *Salmonella enterica* and Methicillin-resistant *Staphylococcus aureus* (MRSA) *in vitro*. *Lasers in Medicine and Surgery* 47:595-601,2015 [**Corresponding Senior Author**].
7. Daum LT, Bumah VV, Masson-Meyers DS, Khubbar M, Rodriguez JD, Fischer GW, **Enwemeka CS**, Gradus S, Bhattacharyya S: Whole-Genome Sequence for Methicillin-Resistant *Staphylococcus aureus* Strain ATCC BAA-1680. *Genome-A* 3:1-2, 2015.
8. Bumah VV, Whelan HT, Masson-Meyers DS, Quirk B, Buchmann E, **Enwemeka CS**: The bactericidal effect of 470 nm light and hyperbaric oxygen on methicillin-resistant *Staphylococcus aureus* (MRSA). *Lasers in Medical Science* 30:1153–1159, 2015 [**Corresponding Senior Author**].
9. Bumah VV, Masson-Meyers DS, Cashin S, **Enwemeka CS**: Optimization of the antimicrobial effect of blue light on Methicillin resistant *Staphylococcus aureus* (MRSA) *in vitro*. *Lasers in Surgery & Medicine*, published online ahead of print DOI 10.1002/lsm.22327, 2015. [**Corresponding Senior Author**].
10. Leite SN, Andrade TAM, Masson-Meyers DS, Leite MN, **Enwemeka CS**, Frade MAC: Fototerapia acelera a cicatrização de úlceras cutâneas em ratos desnutridos (Phototherapy promotes healing of cutaneous wounds in undernourished rats). *Anal. Brasileiros de Dermatologia*, February, 2014.
11. Masson-Meyers D, **Enwemeka CS**, Bumah V, Andrade T, Frade MA: Topical treatment with *Copaifera langsdorffii* oleoresin improves wound healing in rats. *International Journal of Phytomedicine* 5: 378-386, 2013. [**Corresponding Senior Author**].
12. **Enwemeka CS**: Antimicrobial Blue Light: An Emerging Alternative to Antibiotics. *Photomedicine and Laser Surgery* 31(11): 509-511, 2013.
13. Bumah VV, Masson-Meyers DS, Cashin S, **Enwemeka CS**: Wavelength and bacterial density influence the bactericidal effect of blue light. *Photomedicine and Laser Surgery*; 31(11): 647-553, 2013 (**Corresponding Senior Author**).
14. Masson-Meyers DS, **Enwemeka CS**, Bumah VV, Andrade TAM, Cashin S, Frade MAC: Antimicrobial effects of *Copaifera langsdorffii* oleoresin in infected rat wounds. *International Journal of Applied Microbiology* 2(3): 9 – 20, 2013 [**Corresponding senior author**].
15. **Enwemeka CS**: The relevance of accurate comprehensive treatment parameters in photobiomodulation. (Editorial) *Photomedicine and Laser Surgery* 29:783-784, 2011.
16. Fulop AM, Dhimmer S, Deluca JR, Johanson DD, Lenz RV, Patel KB, Douris PC, **Enwemeka CS**: A Meta-analysis of the Efficacy of Laser Phototherapy on Pain Relief. *Clinical Journal of Pain* 26(8):729-736, 2010 [**Corresponding senior author**].
17. Caetano KS, Minatel DG, Santana LA, **Enwemeka CS**, Frade MAC: The efficacy of phototherapy associated with sulfadiazine in the treatment of chronic venous ulcers (Eficácia da fototerapia associada à sulfadiazine de prata no tratamento de úlceras venosas crônicas). *Fisioterapia Brasil* 10: 388-394, 2009.
18. Fulop AM, Dhimmer S, Deluca JR, Johanson DD, Lenz RV, Patel KB, Douris PC, **Enwemeka CS**: A meta-analysis of the efficacy of phototherapy on tissue repair. *Photomedicine and Laser Surgery*, 27:695-702, 2009. [**Corresponding senior author**].
19. **Enwemeka CS**: Intricacies of dose in laser phototherapy for tissue repair and pain relief [Review Paper]. *Photomedicine and Laser Surgery*, 27:387-393, 2009.

20. Minatel DG, Frade MAC, Franca S, **Enwemeka CS**: Phototherapy Promotes Healing of Chronic Diabetic Leg Ulcers That Failed To Respond To Other Therapies. *Lasers in Surgery and Medicine*, 41(6):433-41, August, 2009. **[Corresponding Senior Author]**.
21. Minatel DG, **Enwemeka CS**, França SC, Frade MAC. Phototherapy (LEDs 660/890 nm) in the treatment of leg ulcers in diabetic patients: Case study. *Anals Brasileiros de Dermatologia* 84(3):279-283, 2009.
22. **Enwemeka CS**, Williams D, Enwemeka SK, Hollosi S, Yens D: 470 nm Blue Light Kills Methicillin Resistant Staphylococcus aureus (MRSA) *In Vitro*. *Photomedicine and Laser Surgery*, 27:221-226, April 2009.
23. Caetano KS, Frade MAC, Minatel DG, Santana LA, **Enwemeka CS**: Phototherapy improves healing of chronic venous ulcers. *Photomedicine and Laser Surgery* 27:111-118, February, 2009. **[Corresponding Senior Author]**.
24. **Enwemeka CS**, Williams D, Hollosi S, Yens D, Enwemeka SK: Visible Visible 405 nm SLD Photo-destroys Methicillin Resistant Staphylococcus aureus (MRSA) *In Vitro*. *Lasers in Surgery and Medicine* 40:734-737, December 2008.
25. **Enwemeka CS**, Williams D, Hollosi S, Yens D: Blue Light Photo-destroys Methicillin Resistant Staphylococcus aureus (MRSA) *In Vitro*. In Waynant R, Tata D. (Eds.) *Lecture Notes in Electrical Engineering* 12:33-37, 2008; Springer Publishers, New York
26. Minatel DG, Frade MAC, Franca SC, Almeida GL, **Enwemeka CS**: Combined 660nm and 880 nm light improves healing of recalcitrant diabetic ulcers. In Waynant R, Tata D. (Eds.) *Lecture Notes in Electrical Engineering* 12:23-32, 2008; Springer Publishers, New York. **[Corresponding Senior Author]**.
27. **Enwemeka CS**: Standard parameters in laser phototherapy (Editorial): *Photomed and Laser Surgery* 26: 411, 2008.
28. **Enwemeka CS**: Therapeutic blue light: A different ray of light on an age-old problem. (Editorial). *Photomedicine and Laser Surgery* 24: 679, 2006.
29. **Enwemeka CS**: The place of coherence in light induced tissue repair and pain modulation. *Photomedicine and Laser Surgery (Editorial)*. 24: 457, 2006.
30. **Enwemeka CS**: Low level laser therapy is not low. (Editorial). *Photomedicine and Laser Surgery* 23: 529-530, 2005.
31. **Enwemeka CS**: Evidence-based photomedicine. (Editorial) *Photomedicine and Laser Surgery* 23:353, 2005.
32. **Enwemeka CS**: Light is light. *Photomedicine and Laser Surgery (Editorial)* 23:159-160, 2005.
33. **Enwemeka CS**, Parker JC, Dowdy DS, Harkness EE, Sanford LE, Woodruff LD: The Effect of Laser Phototherapy on Tissue Repair and Pain Control: A Meta-Analysis of the Literature. *Photomedicine and Laser Surgery* 22: 323-329, 2004.
34. Woodruff LD, Bounkeo JM, Brannon WM, Dawes Jr. KS; Barham CD, Waddell DL, **Enwemeka CS**: The Efficacy Of Laser Therapy In Wound Repair: A Meta-Analysis Of The Literature. *Photomedicine and Laser Surgery* 22:241-247, 2004 **[Corresponding Senior Author]**.
35. Timberlake GT, **Enwemeka CS**: An Inexpensive, Automated Instrument for Laser Irradiation of Cultured Cells. *Photomedicine and Laser Surgery* 22:233-239, 2004
36. Lanzafame RJ, **Enwemeka CS**: Opportunities and challenges (Editorial) *Photomedicine and Laser Surgery* 22:169, 2004
37. **Enwemeka CS**: Therapeutic Light [Review Paper]. *Rehabilitation Management*, January, 2004.

38. Demmink JH, Helders PJM, Hobaek H, **Enwemeka CS**: Ultrasound frequency and depth of heating. *Ultrasound in Medicine and Biology* 29:113-118, 2003.
39. Reddy GK, Stehno-Bittel L, **Enwemeka CS**: Glycation-induced Matrix Stability in the rabbit Achilles tendon. *Archives of Biochemistry & Biophysics* 399:174-180, 2002
40. **Enwemeka CS**, Allen C, Avila P, Bina J, Konrade J, Munns S: Soft Tissue Thermodynamics Before, During, and After Cold Pack Therapy. *Medicine & Science in Sports and Exercise* 34:45-50, 2002.
41. Reddy GK, Stehno-Bittel L, Hamade S: **Enwemeka CS**: The biomechanical integrity of bone in experimental diabetes. *Diabetes Research & Clinical Practice* 54: 1-8, 2001. **[Senior Author]**.
42. Reddy GK, Stehno-Bittel L, **Enwemeka CS**: Laser photostimulation accelerates wound healing in diabetic rats. *Wound Repair and Regeneration* 9:248-255, 2001. **[Senior Author]**.
43. **Enwemeka CS**: Attenuation and penetration of visible 632.8 nm and invisible infra-red 904 nm light in soft tissue. *Laser Therapy* 13:95-101, 2001
44. **Enwemeka CS**, Reddy GK: The biological effects of laser therapy and other physical modalities on connective tissue repair processes. *Laser Therapy* 12:22-30, 2000
45. Suzuki S, **Enwemeka CS**: Connective Tissue Plasticity. *Journal of the Japanese Physical Therapy Association* 26:335-336, 1999.
46. Reddy GK, Stehno-Bittel L, **Enwemeka CS**: Matrix remodeling in regenerating rabbit Achilles tendon. *Wound Repair and Regeneration* 7:518-527, 1999. **[Senior Author]**.
47. **Enwemeka CS**: Photons, Photochemistry, Photobiology, and Photomedicine. *Laser Therapy* 11 (4) 163-164, 1999.
48. **Enwemeka CS**: Charting the Course of Laser Therapy Amidst Chattering Charlatans. *Laser Therapy* 11 (3) 110-111, 1999 (Editorial).
49. **Enwemeka CS**: Quantum Biology of Laser Phtostimulation (Editorial). *Laser Therapy*: 11 (2): 52-53, 1999.
50. **Enwemeka CS**: Lighting the Way Into the New Millenium (Editorial). *Laser Therapy* 11(1): 5-6, 1999.
51. Reddy GK, Stehno-Bittel L, **Enwemeka CS**: Laser photostimulation of collagen production in healing rabbit Achilles tendons. *Lasers in Surgery & Medicine* 22:281-287, 1998. **[Senior Author]**.
52. Stehno-Bittel L, Reddy GK, Gum S, **Enwemeka CS**: Biochemistry and biomechanics of healing tendon Part I: Effects of rigid plaster casts and functional casts. *Medicne & Science in Sports and Exercise* 30:788-793, 1998. **[Corresponding Senior Author]**.
53. Reddy GK, Gum S, Stehno-Bittel L, **Enwemeka CS**: Biochemistry and biomechanics of healing tendon Part II: Effects of combined laser therapy and electrical stimulation. *Medicine and Science in Sports and Exercise* 30:794-800, 1998. **[Corresponding Senior Author]**.
54. Gum SL, Reddy GK, Stehno-Bittel L, **Enwemeka CS**: Combined ultrasound, electrical stimulation, and laser promote collagen synthesis with moderate changes in tendon biomechanics. *American Journal of Physical Medicine & Rehabilitation* 76:288-296, 1997. **[Corresponding Senior Author]**.
55. Reddy K, **Enwemeka CS**: A simplified method for the analysis of hydroxyproline in biological tissues. *Clinical Biochemistry* 29:225-229, 1996. **[Corresponding Senior Author]**.

56. **Enwemeka CS**, Cohen E, Duswalt EP, Weber DM: The Biomechanical effects of Ga-As Laser photostimulation on tendon healing. *Laser Therapy* 6:181-188, 1995.
57. **Enwemeka CS**: The Light Brightens (Editorial) *Laser Therapy* 6:179-180, 1995.
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61. **Enwemeka CS**: Ultrastructural morphometry of Membrane-bound intracytoplasmic collagen fibrils in tendon fibroblasts exposed to He:Ne laser beam. *Tissue & Cell* 24: 511-523, 1992.
62. **Enwemeka CS**, Maxwell LC, Fernandes G: Ultrastructural morphometry of matrical changes induced by exercise and food restriction in the rat calcaneal tendon. *Tissue & Cell* 24:499-510, 1992
63. Maxwell LC, **Enwemeka CS**, Fernandes G: Effects of exercise and food restriction on rat skeletal muscles. *Tissue & Cell* 24:491-498, 1992.
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65. **Enwemeka CS**: Membrane-bound Intracellular collagen fibrils in fibroblasts and myofibroblasts of three regions of the regenerating rabbit calcaneal tendon. *Tissue & Cell* 23:173-190, 1991.
66. **Enwemeka CS**: Connective tissue plasticity: Ultrastructural, Biomechanical and Morphometric Effects of physical factors on intact and regenerating tendons. *Journal of Orthopaedic & Sports Physical Therapy* 14:198-212, 1991.
67. Schwartz RG, **Enwemeka CS**, Kloth LC, Unger PG, Feedar JA: Electrotherapy for Wound Healing (*Invited Expert Opinion*). *Rehabilitation Management* 4(2): 38-46, Feb.-Mar., 1991.
68. **Enwemeka CS**, Rodriguez O, Gall NG, Walsh NE: Morphometrics of collagen fibril populations in He-Ne laser photostimulated tendons. *Journal of Clinical Laser Medicine and Surgery* 8:151-156, 1990.
69. **Enwemeka CS**, Rodriguez O, Mendosa S: The Biomechanical effects of low intensity ultrasound on healing tendons. *Ultrasound in Medicine and Biology* 16:801-807, 1990
70. **Enwemeka CS**: The effects of Therapeutic Ultrasound on Tendon Healing - A Biomechanical Study. *American Journal of Physical Medicine & Rehabilitation* 68:283-287, 1989.
71. **Enwemeka CS**: Inflammation, Cellularity and Fibrillogenesis in the Regenerating Tendon: Implications for Tendon Rehabilitation. *Physical Therapy* 69:816-825, 1989.
72. **Enwemeka CS**, Spielholz NI, Nelson AJ: The Effects of Early Functional Ambulatory Activities on Experimentally Tenotomized Achilles Tendons in Rats - A Biomechanical Study. *American Journal of Physical Medicine & Rehabilitation* 67:264-269, 1988.
73. **Enwemeka CS**: Laser Biostimulation of Healing Wounds: Specific Effects and Mechanisms of Action [*Review Paper*]. *Journal of Orthopaedic & Sports Physical Therapy* 9:333-338, 1988.

74. **Enwemeka CS:** Radiographic Verification of Knee Goniometry. *Scandinavian Journal of Rehabilitation Medicine* 18:47-49, 1986.
75. **Enwemeka CS, Bonet IM, Ingle J, et al.:** Postural Correction in Persons with Neck Pain I - A survey of Neck Positions Recommended by Physical Therapists. *Journal of Orthopaedic & Sports Physical Therapy* 8:235-239, 1986.
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77. **Enwemeka CS:** Physical Deformities in Nigerian Schools: The Port Harcourt Cohort Study. *International Journal of Rehabilitation Research* 7:163-172, 1984.
78. **Enwemeka CS, Adeghe NUB:** Some Family Problems Associated with the Presence of a Handicapped Child in Nigeria. *Child: Care, Health and Development* 8:133-140, 1982.
79. **Enwemeka CS:** Utilization of Physiotherapy Services in Nigeria. *The Journal of Africa Health*; April 1981.
80. **Enwemeka CS, Obi JO:** Management Problems of Children with Cerebral Palsy in Nigeria. *Journal of the Nigerian Society of Physiotherapy* 7:13-16, 1981.

#### **Book Chapters**

81. **Enwemeka CS, Spielholz NI:** Modulation of Tendon Growth and Regeneration by Electrical Currents and Fields. (*Book Chapter*) In: Nelson R, Currier DP (Ed.): Dynamics of Human Biologic Tissues. F. A. Davis Publishers, 1992, pp 231-254.
82. **Enwemeka CS:** Laser Photostimulation in The United States. (*Book Chapter*) In: Oshiro T, Calderhead RG (Ed.): Progress in Laser Therapy. John Wiley & Sons Publishers, London, 1991; pp 102 -111.

#### **Books and Video**

83. **Enwemeka CS:** Light Therapy: A Handbook for Practitioners. (*Dynatronics Corporation*; August, 2012.
84. **Enwemeka CS, Pöntinen PJ:** Light Therapy Applications. *Dynatronics Corporation*, 2003.
85. **Enwemeka CS, Pöntinen PJ:** Light Therapy Applications. *Dynatronics Corporation*, 2005 (2<sup>nd</sup> Edition).
86. **Enwemeka CS, Pöntinen PJ:** Light Therapy Applications. *Dynatronics Corporation*, 2007 (3<sup>rd</sup> Edition).
87. **Enwemeka CS:** An Experimental Model of Tendon Rupture, Repair and Evaluation [Video Tape & Script] copyright, 1991.

#### **Brief Reports, Peer-reviewed Conference Proceedings and Invited Papers)**

88. Ventkateswaran V, Basham T, **Enwemeka CS:** *In vivo* utilization of the "Z" tendon transducer. Proceedings, 18th Annual Conference of the American Society for Biomechanics, Columbus, OH., 1994.
89. Maywood RM, Hechtman KS, Uribe JW, **Enwemeka CS, Horwitz D:** Ligamentization of patella tendon autografts in humans after anterior cruciate ligament reconstruction: Evaluation by electron microscopy. Transactions of the American Academy of Orthopedic Surgeons, 440, 1993.
90. **Enwemeka CS:** The Effects of Prolonged Cast Immobilization on Tendons. Proceedings, 11th International Congress, World Confederation for Physical Therapy

- pp. 673-675, 1991
91. **Enwemeka CS:** Laser Photostimulation Modulates Collagen Synthesis in Regenerating Tendons. Proceedings, 11th International Congress, World Confederation for Physical Therapy pp. 812-814, 1991.
  92. **Enwemeka CS:** Laser Photostimulation. *Clinical Management in Physical Therapy* 10:24-29, 1990.
  93. **Enwemeka CS:** Clinically Significance Research. *Physical Therapy Today* pp 76-80, Fall, 1990
  94. **Enwemeka CS:** Tendon fibroblasts exposed to laser beam synthesize membrane-bound intracytoplasmic collagen fibrils. Proceedings of the XIIth International Congress for Electron Microscopy Suppl 1: San Francisco Press, Inc, 1990, pp 19-20
  95. **Enwemeka CS:** Biomechanics of Collagen Fibril Populations in Regenerating Tendons. Proceedings American Society for Biomechanics. pp 189-190, 1988.
  96. Perry J, **Enwemeka CS**, Gronley JK: The Stability of Surface Markers During Knee Flexion. *Transactions of The Orthopedic Research Society:* 215, 1988.

#### **Book In Preparation**

97. **Enwemeka CS:** Clinical Phototherapy: Theory and Practice (Six of eight chapters written).

#### **Manuals & Web Publication**

98. **Enwemeka CS:** Aid to Gross Anatomy. University of Texas Health Science Center at San Antonio, 1987; Revised in 1988 and 1989.
99. **Enwemeka CS:** Gross Anatomy Dissection Guide. University of Texas Health Science Center at San Antonio, 1989.
100. **Enwemeka CS:** Research In Physical Therapy [Published on the Web).

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## **VI. PATENT, GRANTS, AND PROFESSIONAL ACTIVITIES**

### **Patent**

"PHOTOERADICATION OF MICROORGANISMS WITH PULSED PURPLE OR BLUE LIGHT", Provisional Patent Number 62/341,691, May 26, 2016; Full Patent Application to be submitted May 25, 2017.

### **Grant Pending**

1. **Enwemeka CS (PI)**, Bumah VV (CoPI), Tong W (CoPI): Novel Light-Based Therapeutic System for Accelerated Healing and Prevention of Combat Wound Infections Resulting from Multi-Drug Resistant Organisms. US Department of Defence (DoD), D-0000003434, Jan. 1, 2018 to Dec. 31, 2021; \$5,977,545.00 (Submitted, May 8, 2017).

### **Grants Received**

2. **Enwemeka CS (PI)**, Bumah VV (CoPI): Effect of Blule Light on *Propionibacterium acnes*: Time-Kill Studies II, Sonovia LLC, \$281,417 (August 1, 2016 – July 31, 2017)
3. Walsh K (CoPI), **Enwemeka CS (CoPI)**: SDSU-Georgia: Degree Accreditation

- and Institutional Support Initiative for Science, Technology, Engineering and Mathematics. Millennium Challenge Account – Georgia; \$5,737,885 (2015 – 2022)
4. **Enwemeka CS (PI)**, Raicu V (CoPI), Bumah VV CoPI), Masson-Meyers D (CoPI): Effect of Blue Light on *Propionibacterium acnes*: Time-kill Studies, Sonovia LLC, \$170,470 (June, 2015 – March, 2016)
  5. **Enwemeka CS (PI)**, Raicu V (CoPI): Development of a Light Delivery System that Optimizes Bacterial Eradication. Bradley Foundation Catalyst Grant, \$55,000, August 2012 to July 2013. **(Principal Investigator)**.
  6. Bumah VV (PI), **Enwemeka CS (Co-PI)**, Whelan H: Mechanisms of Antimicrobial Effect of Blue Light on Methicillin Resistant Staphylococcus Aureus (MRSA), CTSI Grant, \$20,000, July 2012 to June 2013.
  7. **Enwemeka CS (PI)**, Williams D, Hollosi S: The Effects of 405 nm and Combined 405 and 880 nm Light on Methicillin Resistant Strains of Staphylococcus aureus (MRSA). Dynatronics Corporation, Salt Lake City, UT, \$15,500, February 2007 to August 2007 **(Principal Investigator)**.
  8. **Enwemeka CS**, Almeida GL: Barbatimão and Laser Photobioactivation of Healing Resistant Human Ulcers. FAPSP, São Paulo, Brazil, \$45,000; February 2004- January, 2005. **(Co-Principal Investigator)**.
  9. **Enwemeka CS**, Almeida GL: Barbatimão and Laser Photobioactivation of Healing Resistant Human Ulcers. FAPSP, São Paulo, Brazil, \$45,000; February 2003- January, 2004. **(Co-Principal Investigator)**.
  10. **Enwemeka CS**: The effects of photon-plus 830 nm Ga-As laser on chronic leg ulcers. Ronvig A/S, Denmark \$25,000, April 1999 to January 2000 **(Principal Investigator)**.
  11. **Enwemeka CS**: Shared-use Instron Biomechanical Testing Equipment Grant. University of Kansas Medical Center National Institutes of Health sponsored Equipment Grant; \$74,990. **(Principal Investigator)**.
  12. **Enwemeka CS**: Church-based Community Health Education Program. American Association for the Advancement of Science (AAAS), April 1995 to March 1996, \$10,000, **(Principal Investigator)**.
  13. **Enwemeka CS**: Multi-therapy Approach To Tendon Rehabilitation. (RO1) NIH-NICHD (funded jointly by the National Institute for Disability and Rehabilitation Research), October 1992 - September 1996, **\$451,000, Principal Investigator**.
  14. **Enwemeka CS**: Spinal Cord Injury-Induced Tendon Degeneration. National Institute for Disability and Rehabilitation Research, September 1992 - August 1993, \$50,000.00, **Principal Investigator**.
  15. **Enwemeka CS**: Combined Functional Loading and Laser Photostimulation of Regenerating Tendons. VA National Merit Grant, January 1993 - December 1995 (Three Years) **\$277,500, Principal Investigator**.
  16. **Enwemeka CS**: Geriatric Leadership Academic Award. National Institutes of Health, 3 Years, March 1990 - February 1993, **\$259,200.00, Co-investigator, [Dr. Edward J. Masoro, PI]**
  17. **Enwemeka CS**: Laser Biostimulation of healing tendons; Effects of Wavelength and Treatment Parameters. VA National Merit Grant, January 1990 - December 1992 (Three Years) **\$231,000, Principal Investigator**
  18. **Enwemeka CS**: The Effect of Ga-As and He-Ne Laser Biostimulation on Tendon

- Healing. Foundation for Physical Therapy, Two Years, March 1988 - February 1990, \$44,243 **Principal Investigator**.
19. **Enwemeka CS:** He-Ne Laser Biostimulation of Healing Tendons. VA National Merit Grant. One Year, \$33,318, March 1988 to February, 1989. **Principal Investigator**
  20. **Enwemeka CS:** Morphometric Analysis of Changes induced by Early Weight-bearing in Tenotomized Rabbit Achilles Tendons. Basic Biomedical Research Support, The University of Texas Health Science Center at San Antonio, San Antonio, TX. One Year, March 1987 - February 1988, \$6,000, **Principal Investigator**
  21. **Enwemeka CS:** Research Equipment Grant, Metler Electronics Corporation, Anaheim, CA, 1986, \$8,700, **Principal Investigator**
  22. **Enwemeka CS:** Research Equipment Grant, Dynatronics Corporation, Salt Lake City, UT, February 1988, \$8,500, **Principal Investigator**
  23. **Enwemeka CS:** Research Equipment Grant, Respond Systems, Inc., Madison, CT, June 1987, \$2,950, **Principal Investigator**
  24. **Enwemeka CS:** Research Equipment Grant, OMS Inc., Braintree, MA, August 1987, \$5,300, **Principal Investigator**
  25. **Enwemeka CS:** Research Equipment Grant, The University of Texas Health Science Center at San Antonio TX, 1986, \$24,500 **Principal Investigator**
  26. **Enwemeka CS:** A Cohort Study of Physical Deformities in Nigerian Schools. University of Port Harcourt Senate Research Grant, March 1981 to September 1981, \$4,000, **Principal Investigator**

#### **Editorial Board & Related Appointments**

1. Co-Editor-in-Chief, *Photomedicine and Laser Surgery*, The Official Journal of the International Society for Laser Surgery and Medicine and The World Association for Laser Therapy, June 2004 to date.
2. Editor-in-Chief, *Laser Therapy*, The official Journal of the World Association for Laser Therapy, May, 1994 to January, 2004.
4. North America Regional Editor, *Laser Therapy* (July, 1991- April 1994).
5. Associate Editor, *Journal of the Nigerian Society of Physiotherapy* (1987-1989)
6. Editorial Board Member, *Journal of Orthopaedics and Sports Physical Therapy* (1988-1991)
7. Peer Reviewer, *Journal of Applied Physiology*, (2006 to date).
8. Peer Reviewer, *Laser Chemistry*, (2006 to date).
9. Peer Reviewer, *Journal of Biomedical Optics*, (2006 to date).
10. Peer Reviewer, *Lasers in Surgery and Medicine*, (2002 to date).
11. Peer Reviewer, *Photochemical and Photobiological Sciences*, (2005 to date).
12. Peer Reviewer, *British Journal of Sports Medicine*, (2005 to date).
13. Peer Reviewer, *Cell Biology International*, (2005 to date).
14. Peer Reviewer, *Photochemistry and Photobiology*, (2005 to date).
15. Peer Reviewer, *Physical Therapy* (1988-1992).
16. Peer Reviewer, *Physiotherapy Canada* (1988-1992).
17. Peer Reviewer, *Journal of Orthopaedic & Sports Physical Therapy* (1988-1992).



### **Appointment To Review Boards, Related Panels & Non-University Committees**

1. *Ad hoc* Grant Reviewer, Research Grant Council of Hong Kong, since 2006.
2. *Ad hoc* Grant Reviewer, Medical Research Council of South Africa, since 2006.
3. Grant Reviewer and Study Section Member, NIH Biobehavioral and Behavioral Processes-7 Study Section, (4 years), 2001 to 2005.
4. Grant Reviewer and Study Section Member, NIH Motor Function, Speech and Rehabilitation Study Section, (4 years), 2001 to 2005.
5. Grant Reviewer, NIH - National Institute of General Medical Sciences (4 years), 1992 to 1996).
6. Ad Hoc Grant Reviewer, NIH - National Institute of Arthritis, Musculoskeletal and Skin Diseases (1996)
7. Grant Reviewer, Office of Special Education, U.S. Department of Education, 1989 to 1993).
8. Grant Reviewer, National Institute for Disability and Rehabilitation Research (NIDRR), 1995 to 2008.
9. Member, NIH (NIAMS) *ad hoc* Special Advisory Committee for Sports Medicine and Physical Fitness, 1988.

### **Membership in Scientific & Professional Organizations**

1. American Society for Laser Medicine and Surgery (ASLMS), 2006 to 2013; (became a Fellow in July, 2008).
2. American College of Sports Medicine (ACSM), 1985 to 2003; (became a Fellow in 1991).
3. World Association for Laser Therapy (formerly, International Laser Therapy Association) (1990 to date) served as President from 1998 to 2000; Life Member since 2000.
4. North American Association for Laser Therapy; founded the association and served as chairperson 1998 to 2002; member since 1998.
5. American Physical Therapy Association (APTA), 1983 to date
6. American Association for the Advancement of Science (AAAS), 1985 to 1998.
7. American Society of Biomechanics (ASB), 1988 to 1999
8. International Society for Laser Surgery and Medicine (ISLSM), 1989 to date
9. American Physiological Society (APS), 1990 to 1998
10. American Society for Gravitational and Space Biology (ASGSB), 1990 to 1997
11. American Association of University of Professors (AAUP), 1993 to 1997
12. American Rural Health Association, 1993 to 1996.

### **Honors and Awards**

1. The Chukuka S. Enwemeka Senior Research Investigator Award; This award was created and funded by the North American Association for Laser Therapy in honor of my longstanding contribution to the field of Photobiomodulation. The award is given annually to the foremost researcher in the field worldwide. Dr. Tiina Karu of the Russian Academy of Science is the 2011 winner of this award.
2. Chairperson, National Advisory Board on Medical Rehabilitation Research, NIH, Bethesda MD (Appointed Board Member in July, 1998; Elected Chairperson in May 2000).

3. President, World Association for Laser Therapy, 1998 - 2000.
4. Fellow of the American College of Sports Medicine (FACSM), since May, 1991.
5. Fellow, American Society for Laser Medicine and Surgery, Since July, 2008
6. Member, Phi Beta Delta, Honor Society for International Scholars, since 1993.
7. Member, Who is Who in Science and Engineering, since 1991.
8. Co-Chairperson, Regional Advisory Board, NIH-funded Midwest Network for Rehabilitation Research & Training [1999 to 2003]
9. Invited External Reviewer, Center for Excellence In Research ("*East Meets West Program*"), Hong Kong Polytechnic University, Hong Kong, China, April, 2002.
10. Investigator Research Award, University of Kansas Medical Center, 1996.
11. Member, Board of Directors, Black Health Care Coalition, Kansas City MO, (1995 to 2003).
12. Member, Advisor Panel on Research, American Physical Therapy Association [1993-1997]
13. Member, Scientific Advisory Board, Joint Congress of the International Society for Laser Application In Medicine & International Laser Therapy Association, Barcelona, Spain, 1994.
14. Member, International Advisory Board, 2nd Congress of the International Laser Therapy Association (ILTA), London, United Kingdom, 1992].
15. Member, American Physical Therapy Association Abstract & Theory Paper Review Committee, 1989-1991.

#### **Invited Academic Visits, Consulting and Related Activities**

1. Dynatronics Corporation, Salt Lake City, UT. June 1992: Development of new ultrasound equipment with 1.0, 2.0 and 3.0 MHz ultrasound applicator.
2. U.S. Department of Education, National Institute of Disability and Rehabilitation Research, Washington DC, 1995: Site visit review of a multimillion dollar funded clinical research and training program; continues to serve (*ad hoc*) on strategic planning panels.
3. Maryville University, St. Louis MO, 1996-1997: Site Visit and Review of a master's program in preparation for accreditation and transition to entry-level doctoral degree.
4. \*Commission on Accreditation in Physical Therapy Education, Accreditation Site Visit, May 1999.
5. \*\*University of São Paulo Medical School, São Paulo, Brazil, May 1999. Review of scholarly activities of the faculty in the Department of Physical Therapy.
6. University of Utah Graduate School, Salt Lake City, UT, fall, 1999: Invited Site Visit and Review of the university's graduate program in physical therapy.
7. \*\*Research Institute for Health Sciences and Education, Tokyo, Japan, September through November, 2000: Development of post-graduate physical therapy curricular in different regions of Japan with focus on geriatric rehabilitation.
8. \*Commission on Accreditation in Physical Therapy Education, Accreditation Site Visit, April, 2001.
9. \*\*Hong Kong Polytechnic University, January 2002 – April 2002: Site Visit and Review of a Center for Excellence In Research.
10. \*\*University of Ulster, Jordanstown, Ireland, September – November, 2002:

Reviewed and offered expert opinion on the development of a Center on Aging Research.

11. Dynatronics Corporation, Salt Lake City, UT. November 2002 to November, 2008: Development of a new therapeutic laser phototherapy treatment device.
12. \*Louisiana State Board of Regents: Review of two doctoral programs, 2004.
13. University of Cincinnati, Cincinnati, OH, January – August, 2005: Consultative meetings with the leadership of the College of Medicine; guidance in developing a professional doctoral degree program in physical therapy.
14. Williston State University, Williston, ND, February – October, 2005: Consultative accreditation related site visit.
15. \*\*Hong Kong Polytechnic University, Review and evaluation of three applicants for the position of Academic Chairperson and Full Professorship, March 2009.
16. High Point University, High Point, NC, Planning and development of a new School of Health Sciences; Development of a new Doctor of Physical Therapy program, and Recruitment of a new Dean and a New Chairperson, Spring 2010.

**\*\*Confidential; \*\*International Activity**

#### **Invited International Presentations**

1. Enwemeka CS: Advances in Photobiomodulation With Blue Light. Invited Plenary Lecture Presented at the 15<sup>th</sup> Congress of the World Confederation for Laser Dentistry, Nagoya, Japan, July 18, 2016.
2. Enwemeka CS: Mechanisms of the Antimicrobial Effect of Blue Light, Presented at the 15<sup>th</sup> Congress of the World Confederation for Laser Dentistry, Nagoya, Japan, July 18, 2016.
3. Masson-Meyers D, Bumah VV, Biener G, Raicu V, **Enwemeka CS**: The comparative Effect of Blue Lasers and Blue LEDs on Methicillin Resistant *Staphylococcus aureus* (MRSA), Presented at the 15<sup>th</sup> Congress of the World Confederation for Laser Dentistry, Nagoya, Japan, July 18, 2016.
4. Enwemeka CS: Evidence-Based Laser Photobiomodulation for Tissue Repair, Pain Relief and Bacterial Eradication. Presented at Fatima College of Health Sciences, Abu Dhabi, UAE, October 19, 2014
5. Enwemeka CS: Developments in Photobiomodulation for Bacterial Eradication. Invited Keynote Presentation, International Academy of Laser Medicine and Surgery (Laser Florence), Florence, Italy, November 9, 2012.
6. Enwemeka CS: Mechanisms of Photobiomodulation for Tissue Repair, Pain Control and Bacterial Eradication. Presented at the International Academy of Laser Medicine and Surgery (Laser Florence), Florence, Italy, November 9, 2012.
7. Enwemeka CS: Evidence-based Application of Laser Phototherapy. Invited Workshop, presented at the American Academy of Physical Therapy Annual Meeting, Atlanta, GA, October 20, 2012.
8. Enwemeka CS: Evidence-Based Photobiomodulation for Tissue Repair, Pain Relief and Bacterial Eradication. Invited Lecture, Presented at Lagos University College of Medicine, Lagos, Nigeria, October 11, 2012.
9. Enwemeka CS: Advances in Photobiomodulation for Bacterial Eradication.

- Invited Presentation, World Association for Laser Therapy Congress, Gold Coast, Australia, September 28, 2012.
10. Enwemeka CS: Mechanisms Involved in Light-Activated Tissue Repair, Pain Control and Bacterial Eradication. Presented at Curtin University, School of Physiotherapy, Perth, Australia, September 25, 2012.
  11. Bumah VV, Masson-Meyers DS, Whelan H, **Enwemeka CS**: Blue Light Irradiation of Methycillin Resistant Staphylococcus aureus and Human Dermal Fibroblasts. Presented by Dr. Bumah at the World Association for Laser Therapy Congress, Gold Coast, Australia, September 28, 2012.
  12. Enwemeka CS: LED Photoeradication of Bacteria and Biomodulation of Collagenous Tissue Repair. Invited Keynote Lecture, Presented at the 21<sup>st</sup> Annual Congress of the German Society for Laser Dentistry [Deutsche Gesellschaft fur Laserzahnheilkunde e.V.,(DGL)], Leipzig, Germany, September 7, 2012
  13. Enwemeka CS: LED Photoeradication of Bacteria and Biomodulation of Collagenous Tissue Repair. Invited Keynote Lecture, Presented at the 13<sup>th</sup> Biennial Congress of the World Confederation of Laser Dentistry, Barcelona, Spain, April 27, 2012.
  14. Enwemeka CS: Advances in Photobiomodulation of Tissue Repair. Invited Keynote Presentation, 2011 Annual Conference of the North American Association for Laser Therapy, Brookfield, WI, September 22, 2011.
  15. Enwemeka CS: Fundamentals of Laser Phototherapy. Invited Workshop, 6<sup>th</sup> Meditech International Laser Conference, Toronto, Canada, June 6 - 9, 2011.
  16. Enwemeka CS: Advances in Phototherapy for Tissue Repair. Invited Paper, 8<sup>th</sup> Congress of the World Association for Laser Therapy, Bergen, Norway, September 25 - 28, 2010.
  17. Enwemeka CS: Blue Light Phototherapy Kills Methycillin Resistant Staphylococcus aureus (MRSA). Paper presented at the 23<sup>rd</sup> International Congress of Laser Medicine (Laser Florence), November 6 - 7, 2009.
  18. Enwemeka CS: Photoengineering of Tissue Repair Process In Collagenous Tissues. Invited Paper, 23<sup>rd</sup> International Congress of Laser Medicine (Laser Florence), November 6 - 7, 2009.
  19. Enwemeka CS: Invited Paper, Laser Phototherapy: Past, Present and Future Trend. Laser Bahia International Conference, Salvador, Brazil, October 8 - 10, 2009.
  20. Enwemeka CS: Major Advances In Phototherapy for Tissue Repair. Invited Paper, Laser Bahia International Conference, Salvador, Brazil, October 8 - 10, 2009.
  21. Enwemeka CS: Phototherapy: Concepts and Application for Tissue Repair. Invited Lecture presented to the faculty and staff, Department of Dermatology, University of São Paulo School of Medicine of Riberão Preto, Riberão Preto, Brazil, October 6, 2009.
  22. Enwemeka CS: Mechanisms of Light Activated Tissue Repair and Pain Control. Invited Symposium, I Congreso Internacional de Fisioterapia & II Jornadas de Actualizacion Tecnologica, Quito, Ecuador, July 15, 2009
  23. Enwemeka CS: Photoengineering of Tissue Repair Process in Collagenous Tissue. Invited Paper, Presented at African Laser Center Conference, Kariega Game

- Reserve, South Africa, July 4, 2009
24. Enwemeka CS, Williams DE, Hollosi S, Yens D, Enwemeka SK: Blue Light Phototherapy Eradicates Methycillin Resistant Staphylococcus aureus, presented at the 7<sup>th</sup> Congress of the World Association for Laser Therapy, Sun City, South Africa, October 21, 2008.
  25. Enwemeka CS, Minatel D, Caetano KS, Frade MAC, França S: LED Phototherapy Promotes Tissue Repair in Chronic Diabetic and Venous Ulcers. Invited Paper, presented at the 7<sup>th</sup> Congress of the World Association for Laser Therapy, Sun City, South Africa, October 20, 2008
  26. Enwemeka CS: Advances In Laser Photoengineering of Tissue Repair In Chronic Ulcers Associated With Diabetes and Neuropathy. Invited Key Note Address, presented at 7<sup>th</sup> Congress of the World Confederation for Physical Therapy – Africa Region, Abuja, Nigeria, August 22, 2008.
  27. Enwemeka CS: Evidence-Based Clinical Utilization of Light and Laser Phototherapy. Invited Seminar, presented at 7<sup>th</sup> Congress of the World Confederation for Physical Therapy – Africa Region, Abuja, Nigeria, August 22, 2008.
  28. Enwemeka CS, Minatel D, Caetano KS, Frade MAC, França S: Photoengineering of Tissue Repair in Chronic Diabetic and Venous Ulcers. Invited Paper, presented at the 9<sup>th</sup> Annual Conference of the North American Association for Laser Therapy, West Palm Beach, Florida, June 14, 2008.
  29. Enwemeka CS: Evidence-based Clinical Utilization of Light and Laser Phototherapy. Invited Seminar, presented at the 5<sup>th</sup> International Symposium on Laser Therapy, Toronto, Canada, June 5, 2008.
  30. Enwemeka CS: Photoengineering of Collagenous Tissue Repair Processes. Invited Lecture, presented at Jordan University of Science and Technology, Erbid, Jordan, April 25, 2008.
  31. Enwemeka CS: Phototherapy for Healing of Resistant Diabetic Ulcers, Invited Presentation, Brazilian Association for Physical Therapy Conference (COBRAf), Sao Paulo, Brazil, October 12, 2007
  32. Enwemeka CS: Introduction to Laser Phototherapy. Invited Workshop presentation, Brazilian Association for Physical Therapy Conference (COBRAf), Sao Paulo, Brazil, October 10, 2007
  33. Enwemeka CS: Dosimetry and Parameters of Laser Phototherapy. Invited Lecture, presented at the University of São Paulo Conference on Laser Dosimetry, São Paulo, Brazil, April 28, 2007.
  34. Enwemeka CS, Minatel D, Frade MA, França S, Almeida GL: Combined 660nm and 880nm Light Improves Healing of Diabetic Ulcers. Invited Lecture, presented at the Annual Congress of the North American Association for Laser Therapy, Toronto, CA, June 4, 2006.
  35. Enwemeka CS: Mechanisms of Light-activated Tissue Repair and Pain Control. Invited Lecture, presented at Universidade Cidade de São Paulo, São Paulo, Brazil, May 29, 2006.
  36. Enwemeka CS: Historical Perspectives and Mechanisms of Tissue Photoengineering and Pain Control. Invited Paper, presented at the II Congresso Internacional de Odontologia, Fortaleza, Brasil, May 27, 2006

37. Enwemeka CS: Laser Photomedicine: New Applications and Mechanism of Action. Invited Paper, presented at XIX Congresso Internacional de Medicina Ortomolecular e Radicais Livres, São Paulo, Brasil, May 25, 2006.
38. Enwemeka CS: Evidence-based Clinical Utilization of Light and Laser Phototherapy. Invited Symposium, presented at the 4th International Symposium on Laser Therapy Sponsored By Meditech Inc, Toronto, Canada, April 21, 2006
39. Enwemeka CS: Mechanisms of Light Activated Tissue Repair and Pain Control. Invited Lecture, presented at the University of Johannesburg, Johannesburg, South Africa, March 28, 2006.
40. Enwemeka CS: Laser Photostimulation: Biophysics, Mechanisms of Action and Clinical Application. Invited Symposium, presented at the 1st Laser Therapy Symposium, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia, March 14, 2006
41. Enwemeka CS: Near Infrared Light Promotes Tissue Repair in Neuropathic Wounds. Invited Paper, presented at the 10<sup>th</sup> Congresso Brasileiro de Hansonologia, Recife, Brazil, November 22, 2005.
42. Enwemeka CS: Evidence-based Clinical Utilization of Light and Laser Phototherapy. Invited Paper, presented at the Annual Conference of the Brazilian Physical Therapy Association (COBRAAF), October 5, 2005.
43. Enwemeka CS: State of the Arts in Light and Laser Phototherapy. Invited Keynote Lecture, presented at the Annual Conference of the Brazilian Physical Therapy Association (COBRAAF), October 7, 2005.
44. Enwemeka CS: Mechanisms of Light-activated Tissue Repair. Invited Workshop, Presented at The University of São Paulo, Ribeirão Preto, SP, Brazil, June 1, 2005
45. Enwemeka CS: Mechanisms of Light Therapy. Invited Lecture, Presented at The 4th Congress of The World Association for Laser Therapy (WALT), São Paulo (Guarujá), Brazil, November 27, 2004.
46. Enwemeka CS: Mechanisms of Light Therapy. Invited Lecture, Presented at The 4th Congress of The World Association for Laser Therapy (WALT), São Paulo (Guarujá), Brazil, November 27, 2004.
47. Enwemeka CS: Photoengineering of Collagenous Tissue Repair in Animal and Human Models of Injury. Invited Keynote Lecture, Presented at The 4th Congress of The World Association for Laser Therapy (WALT), São Paulo (Guarujá), Brazil, November 26, 2004.
48. Enwemeka CS: Photoengineering of Tissue Repair in Human Cases of Diabetic Ulcers. Invited Lecture, Presented at The 4th Congress of The World Association for Laser Therapy (WALT), São Paulo (Guarujá), Brazil, November 27, 2004.
49. Enwemeka CS: Evidence-based Clinical Utilization of Light and Laser Phototherapy. Invited Workshop, presented at Universidade Federal de São Carlos, São Carlos, Brazil, November 23, 2004.
50. Enwemeka CS: Photostimulation of Collagenous Tissue Repair Processes. Invited Lecture presented at Hong Kong Polytechnic University, Hong Kong, March 27, 2003.
51. Enwemeka CS: The Biological Effects of Laser Light on Connective Tissue Repair Processes. Invited Paper presented at the 4<sup>th</sup> Congress of the World Association

- for Laser Therapy, Tsukuba, Japan, June 27 – 30, 2002.
52. Enwemeka CS: The Use of Low Intensity Lasers in Dentistry. Invited Lecture presented at the Faculdade de Odontologia, Universidade Federal Da Bahia [i.e. Faculty of Dentistry, Federal University of Bahia (FUBA)], Salvador, Bahia, Brazil. Sponsor: FUBA, Faculty of Dentistry, October 12, 2001.
  53. Enwemeka CS: Laser Photobiology of Connective Tissue Repair Processes. Invited Lecture, presented at the Faculdade de Fisioterapia, Universidad de Ribeirão Preto, [i.e. School of Physiotherapy, University of Ribeirão Preto], Guarujá Campus, Guarujá, Brazil, October 11, 2001. Sponsor: University of Ribeirão Preto
  54. Enwemeka CS: Laser Photobiology in Physical Therapy Practice. Invited Lecture, presented at the Faculdade de Fisioterapia, Universidad de Ribeirão Preto [i.e. School of Physiotherapy, University of Ribeirão Preto, Ribeirão Preto, Brazil, October 9, 2001. Note: This lecture was repeated for the Ribeirão Preto Physical Therapy Association during the evening of the same day. Sponsor: University of Ribeirão Preto
  55. Enwemeka CS: Laser Photobiology in Physical Therapy Practice. Invited Lecture, presented at the Faculdade de Fisioterapia, Universidad de Ribeirão Preto [i.e. School of Physiotherapy, University of Ribeirão Preto, Ribeirão Preto, Brazil, October 9, 2001. Sponsor: University of Ribeirão Preto
  56. Enwemeka CS: Laser Photobiology of Connective Tissue Repair Processes. Invited Lecture, presented at the Faculdade de Odontologia, Universidad de Ribeirão Preto [i.e. Center for Post-graduate Education in Laser Dentistry, School of Dentistry, University of Ribeirão Preto, Ribeirão Preto, Brazil, October 8, 2001.
  57. Enwemeka CS: Low Level Lasers for Tissue Repair and Pain Control. Invited Lecture, presented at the III Congresso da Sociedade Brasileira de Laser [3<sup>rd</sup> Congress of the Brazilian Society for Lasers], São Paulo, Brazil; Sponsors: Brazilian Society for Lasers, October 6, 2001
  58. Enwemeka CS: Physiotherapy Uses of Laser Photobiology for Tissue Repair and Pain Control. Invited Lecture, presented at the III Congresso da Sociedade Brasileira de Laser [3<sup>rd</sup> Congress of the Brazilian Society for Lasers], São Paulo, Brazil; Sponsors: Brazilian Society for Lasers, October 5, 2001
  59. Enwemeka CS: Laser photobiology for Tissue Repair and Pain Control. Invited Lecture presented at the 3<sup>rd</sup> Simposium Uniararas Internacional de aplicação do Laser na Saúde, University of Araras, Araras, Brazil, October 5, 2001. Sponsor: University of Araras.
  60. Enwemeka CS: Panel Discussion on Multidisciplinary Uses of Lasers. Invited Panel Discussion presented at the 3<sup>rd</sup> Simposium Uniararas Internacional de aplicação do Laser na Saúde, October 5, 2001. Sponsor: University of Araras, Araras, Brazil.
  61. Enwemeka CS: The Effects of Ultrasound and Soft Lasers On Connective Tissue. Invited Lecture presented at Chiba Medical Welfare College, Kimitu, Chiba Prefecture, Japan, September 21, 2001.
  62. Enwemeka CS: Soft Laser Therapy for Wound Healing. Invited Lecture presented at Fukui Rehabilitation College, Fukui, Japan, September 18, 2001.
  63. Enwemeka CS: The Effects of Physical Agents On Connective Tissue. Invited

- Workshop organized by Sapporo Area Physical Therapists and Occupational Therapists, Sapporo Medical Center, Sapporo, Japan, September 14, 2001.
64. Enwemeka CS: The Effects of Physical Agents On Connective Tissue. Invited Workshop organized by Tokyo West Area Physical Therapists and Occupational Therapists, Hachioji Medical Center, Hachioji, Japan, September 9, 2001.
65. Enwemeka CS: Laser Photobiology in Sports Medicine. Invited Paper presented at the 13<sup>th</sup> World Congress of the International Society for Laser Surgery and Medicine, Chennai, India, August 27-30, 2001.
66. Enwemeka CS: The Biological Basis of Laser Photostimulation in Acupuncture and Pain Control. Invited Paper presented at the 50<sup>th</sup> Congress of the International Council on Medical Arts and Related Techniques, Berlin, Germany, June 14 - 17, 2001.
67. Enwemeka CS: Laser Photostimulation: A new approach to promoting tissue repair and pain control. Invited Paper presented at the 50<sup>th</sup> Congress of the International Council on Medical Arts and Related Techniques, Berlin, Germany, June 14 - 17, 2001.
68. Enwemeka CS: Laser Biophysics and Clinical Application. Invited Workshop presented at the Combined 46<sup>th</sup> Congress of Sociedad Colombiana de Cirugía Ortopédica y Traumatología (SCCOT) and the 8th Congress of the International Musculoskeletal Laser Society (IMLAS), Cartagena, Colombia, May 23 - 27, 2001.
69. Enwemeka CS: Laser Photostimulation of Collagenous Tissue Repair Processes in the New Millennium. Invited Paper presented at the Combined 46<sup>th</sup> Congress of Sociedad Colombiana de Cirugía Ortopédica y Traumatología (SCCOT) and the 8th Congress of the International Musculoskeletal Laser Society (IMLAS), Cartagena, Colombia, May 23 - 27, 2001.
70. Enwemeka CS: Connective Tissue Plasticity and Rehabilitation: Invited Lecture presented at Kanazawa University, Kanazawa, Japan, November 19, 2000.
71. Enwemeka CS: Laser Biophysics and Clinical Application. Invited Lecture presented at Nagoya University, Nagoya, Japan, November 17, 2000.
72. Enwemeka CS: Laser Photostimulation and Clinical Application. Invited Lecture presented at the Department of Anesthesiology, University of Tokyo School of Medicine, Tokyo, Japan, November 13, 2000.
73. Enwemeka CS: Update On Therapeutic Ultrasound and Electrical Stimulation. Invited Lecture presented at the Research Institute for Health Science and Education, Omori, Tokyo, Japan, November 11-12, 2000.
74. Enwemeka CS: Laser Biophysics and Clinical Application. Invited Lecture presented at Showa University, Kanagawa, Japan, November 6, 2000.
75. Enwemeka CS: Laser Biophysics and Clinical Application. Invited Lecture presented at a workshop organized by Yamanashi Prefecture Physical Therapists, Yamanashi, Japan, November 3, 2000.
76. Enwemeka CS: Laser Biophysics and Clinical Application. Invited Lecture presented twice at Tokyo Eisei Gakuen College, Omori, Tokyo, Japan, October 31, 2000.
77. Enwemeka CS: Update on Laser Photostimulation, Ultrasound, and Electrical Stimulation. Invited Workshop presented at the Australian Institute for Laser Therapy, Melbourne, Victoria, Australia, July 9-10, 2000



78. Enwemeka CS: Connective Tissue Plasticity and Rehabilitation: Invited Lecture presented at the University of Melbourne, Melbourne, Australia, July 7, 2000 [SPONSOR: School of Physiotherapy, University of Melbourne, Melbourne, Australia].
79. Enwemeka CS: Connective Tissue Plasticity: The Effects of Physical Agents on Tendon Repair Processes. Invited Lecture, presented at the Flinders University of South Australia, Adelaide, South Australia, Australia, July 5, 2000 [SPONSOR: Lymphodema Research Group, Flinders University of South Australia, Adelaide, South Australia.].
80. Enwemeka CS: Connective Tissue Plasticity and Rehabilitation. Invited Workshop Presented at Curtin University of Technology, Perth, Western Australia, Australia, July, 2000 [SPONSOR: School of Physiotherapy, Curtin University of Technology, Perth, Western Australia].
81. Enwemeka CS: Update on Ultrasound & Electrical Stimulation. Invited Workshop Presented at Curtin University of Technology, Perth, Western Australia, Australia, June, 2000 [SPONSOR: School of Physiotherapy, Curtin University of Technology, Perth, Western Australia].
82. Enwemeka CS: Laser Medicine: Past, Present and Future. Invited Paper Presented at the 3<sup>rd</sup> Congress of the World Association for Laser Therapy, Athens, Greece, May, 2000
83. Enwemeka CS: Laser Therapy in North America: A Historical Perspective. Invited Paper Presented at the 3<sup>rd</sup> Congress of the World Association for Laser Therapy, Athens, Greece, May, 2000
84. Enwemeka CS: Lasers in Orthopaedics and Physiotherapy. Invited Paper Presented at the 3<sup>rd</sup> Congress of the World Association for Laser Therapy, Athens, Greece, May, 2000
85. Enwemeka CS: Advances in Laser Therapy and Sports Medicine. Invited Paper Presented at the 3<sup>rd</sup> Congress of the World Association for Laser Therapy, Athens, Greece, May, 2000
86. Enwemeka CS: Laser Biophysics and Clinical Application. Lecture & Hands-On Workshop Series, Presented at Curtin University of Technology, Perth, Australia, May-June, 2000 [SPONSOR: School of Physiotherapy, Curtin University of Technology, Perth, Western Australia].
87. Enwemeka CS: Therapeutic Ultrasound: Scientific Basis and Clinical Application. Invited Workshop Presented at Curtin University of Technology, Perth, Australia, May, 2000 [SPONSOR: School of Physiotherapy, Curtin University of Technology, Perth, Western Australia].
88. Enwemeka CS: The effects of laser therapy on venous and diabetic leg ulcers. Invited Lecture presented at the International Congress on Ischemic Ulcers and Laser Therapy, Milan, Italy, June 18 -20, 1999, [SPONSOR: International Congress on Ischemic Ulcers and Laser Therapy].
89. Enwemeka CS: Connective Tissue Plasticity: Invited Lecture Presented at Shanghai Second Medical University Hospital, Shanghai, China, June 4, 1999. [SPONSOR: Brain Research Institute, Shanghai, China].
90. Enwemeka CS: Therapeutic Ultrasound: The Science Behind the Practice. Invited Workshop Presented at the University of Sao Paulo, Sao Paulo, Brazil, May, 1999

- [SPONSOR: Department of Physical Therapy, University of Sao Paulo].
91. Enwemeka CS: Physical Therapy Education in the United States. Invited Lecture Presented at Humanitec Rehabilitation College, Yokkaichi, Japan, [SPONSOR: Humanitec College, Jokkaichi, Japan].
  92. Enwemeka CS: Connective Tissue Plasticity: Effects of Ultrasound, Laser Photostimulation, and Electrical Stimulation on Collagenous Tissues. Invited Symposium Presented at the 13<sup>th</sup> Congress of the World Confederation for Physical Therapy, Yokohama, Japan, May 22-28, 1999 [SPONSOR: World Confederation for Physical Therapy].
  93. Enwemeka CS: Laser Photostimulation of Wound Healing in Diabetic Rats. Presented at the 13<sup>th</sup> Congress of the World Confederation for Physical Therapy, Yokohama, Japan, May 22-28, 1999.
  94. Enwemeka CS: The role of Laser Therapy in Tendon Rehabilitation, Invited Lecture, Presented at Laser Expo '98, Florence Italy, October 31, 1998 [SPONSOR: Laser Expo '98].
  95. Enwemeka CS: Therapeutic Ultrasound: The Science Behind the Practice. Invited Workshop Presented at the Universidad de Ribeirão Preto, Ribeirão Preto, Brazil, October 7, 1999 [SPONSOR: Universidad de Ribeirão Preto].
  96. Enwemeka CS: Introduction to Laser Therapy. Invited Workshop Presented at the Universidad de Ribeirão Preto, Ribeirão Preto, Brazil, October 8, 1999 [SPONSOR: Universidad de Ribeirão Preto].
  97. Enwemeka CS: The role of motion and physical agents in connective tissue rehabilitation. Invited Lecture presented at the International Congress on Motor Rehabilitation held at Aguas de Lindoia, Sao Paulo State, Brazil, October 3 -6, 1998, [SPONSOR: International Congress on Motor Rehabilitation].
  98. Enwemeka CS: The Biological Effects of Laser Therapy on Tendon Repair, Invited Lecture, Presented at the Sixth Congress of the European Medical Laser Association, Bucharest, Romania, June 2-5, 1998. [SPONSOR: European Medical Laser Association].
  99. Enwemeka CS: The Role of Laser Therapy in The Repair of The Injured Tendon. Invited Lecture, presented at the First Congress of the International Association for Laser And Sports Medicine, Tokyo, Japan, December 3, 1997, [SPONSOR: International Association for Laser And Sports Medicine].
  100. Enwemeka CS: Laser Photostimulation of Collagenous Tissues. Invited lecture, presented at the 5<sup>th</sup> Congress of the European Medical Laser Association, Florence, Italy, September 19, 1997. [SPONSOR: European Medical Laser Association].
  101. Enwemeka CS: Optimal Stimuli for Collagenous Tissue Healing. Presented at the Annual Conference of the Norwegian Congress of Sports Medicine (Bergen og Idrettsmedisinsk Hostkongress 1995), Bergen, Norway, November 11, 1995 [SPONSOR: (Begen og Idrettsmedisinsk Hostkongress 1995)].
  102. Enwemeka CS: Ultrastructural Physiology of Muscle and Connective Tissue Adaptation To Physical Modalities. Invited Keynote Address, presented at Calgary, Alberta, Canada, November 7, 1992. SPONSOR: Sports Physiotherapy Section, Canadian Physiotherapy Association.
  103. Enwemeka CS: Laser Photostimulation - Biophysics And Scientific Bases For

- Clinical Practice. Invited Seminar, presented at Calgary, Alberta, Canada, November 8 & 9, 1992. SPONSOR: Sports Physiotherapy Section, Canadian Physiotherapy Association.
104. Enwemeka CS: Present State of Laser Photostimulation of Regenerating Tendons. Invited Keynote Address, Presented at the 2nd Congress of the International Laser Therapy Association held at London, England, September 17-22, 1992 [Paper was presented on my behalf by Mr. Peter Bolton of Guy's Hospital, London].
  105. Enwemeka CS: The effects of physical modalities on healing tendons. Invited Seminar conducted at the Division of Anatomy & Cell Biology, United Medical & Dental Schools of Guy's & St. Thomas's Hospital, University of London, London Bridge, England, July 31, 1991.
  106. Enwemeka CS: Frontiers of laser photostimulation of wounds, ulcers and bedsores. Invited Presentation, at the World Congress on Medical Physics and Biomedical Engineering, Kyoto Japan, July 11, 1991.
  107. Enwemeka CS: Lasers and ultrasound for the promotion of soft tissue healing. Invited Guest Symposium, presented at the Joint Congress of Canadian Physiotherapy Association and Corporation professionnelle des Physiotherapeutes du Quebec, Montreal, Canada, May 18, 1991.
  108. Enwemeka CS: Tendon healing and repair: Implications for treatment progression. Invited Guest Lecture, presented at the Joint Congress of Canadian Physiotherapy Association and Corporation professionnelle des Physiotherapeutes du Quebec, Montreal, Canada, May 22, 1991.
  109. Enwemeka CS: The effects of prolonged cast immobilization on tendons. Presented at the International Congress of the World Confederation of Physical Therapy, 7/ 29/91.
  110. Enwemeka CS: Laser photostimulation modulates collagen synthesis in regenerating tendons. Presented at the International Congress of the World Confederation of Physical Therapy, July 30, 1991.
  111. Enwemeka CS, Rodriguez IM: The effect of Ga-As laser photostimulation on healing tendons. Presented at the 10th Congress of the International Society for Laser Medicine and Surgery, November 1991.
  112. Rodriguez IM, Enwemeka CS, Bourguignon GJ: The effect of He-Ne laser photostimulation on collagen synthesis. Presented at the 10th Congress of the International Society for Laser Medicine and Surgery, November 1991.
  113. Enwemeka CS: Ultrastructural Morphometry of Matrical and Membrane-bound Fibrils Exposed to Laser Photostimulation. Presented at the 1st Congress of the International Laser Therapy Association held at Okinawa, Japan, October 26 -28, 1990
  114. Enwemeka CS: Membrane-bound Vacuolar Collagen Fibrils in Laser Photostimulated Tendon Fibroblasts - Evidence That Exposure to Ga-As laser Beam Accelerates Collagen Turnover? Presented at the 1st Congress of the International Laser Therapy Association held at Okinawa, Japan, October 26 -28, 1990
  115. Enwemeka CS: Connective Tissue Plasticity: Effects of Physical Agents on Regenerating Tendons. Invited Guest Lecture, Presented at Sumitomo Center,

- Tokyo Japan, October 23, 1990. SPONSOR: Japan National Rehabilitation Center, Tokorozawa, Japan.
116. Enwemeka CS: Effects of Laser Photostimulation on Healing Wounds. Invited Guest Lecture Presented at the Department of Bioengineering, University of Tokyo, Tokyo, Japan, October 24, 1990.
  117. Enwemeka CS: Laser Photostimulation in the United States - A Tale of Clinical Tests, Experimental Trials, Transient Triumphs, and Intermittent Tribulations of a Potential Clinical Armamentarium. Invited Symposium Presented at the 1st Congress of the International Laser Therapy Association held at Okinawa, Japan, October 26 -28, 1990.
  118. Enwemeka CS: Connective Tissue Plasticity: Effects of Laser Photostimulation on Intact and Regenerating Tendons. Invited Guest Lecture, Presented at Nagoya City University School of Medicine, Nagoya, Japan, October 30, 1990.
  119. Enwemeka CS: The effects of physical agents on tendon growth and regeneration; Presented at McGill University, Montreal, Canada, November 3, 1988. (Sponsor: School of Physical & Occupational Therapy, McGill University).
  120. Enwemeka CS: Physiotherapy and Physiotherapy Services in Nigeria. Scripted and Presented on Radio Rivers State, Port Harcourt, Nigeria; November 15, 1980.
  121. Alakija W, Oni G, Enwemeka CS: The Effect of Increase in Hospital Fees at the University of Benin Teaching Hospital on Physiotherapy Services. Presented at the Annual Conference of the Nigeria Society of Physiotherapy, Benin City, Nigeria; May 2, 1980.
  122. Enwemeka CS: Locomotor Integrity in Post Paralytic Poliomyelitis in Nigerian Children. Presented at the Annual conference of the Nigerian Society of Physiotherapy, Owerri, Nigeria, May 3, 1981.
  123. Enwemeka CS, Adeghe NUB: The Physical Characteristics of Patients seen at the Physiotherapy Department, University of Benin Teaching Hospital, Benin City, Nigeria. Presented at the Annual Conference of the Nigeria Society of Physiotherapy, Benin City, Nigeria; April 30, 1980.
  124. Enwemeka CS: An Appraisal of the Physiotherapeutic Management of Cerebral Palsy in Nigeria. Presented at the First International Conference on the Handicapped Child in Africa, University of Ibadan, Ibadan, Nigeria; January 10-12, 1980.

#### **National and Regional Presentations, Lectures, Seminars and Workshops**

1. Enwemeka CS: Advances in Laser Photobiomodulation for Tissue Repair and Bacterial Eradication, Invited Guest Lecture, Department of Physical Medicine and Rehabilitation, Medical College of Wisconsin – Milwaukee, WI, October 16, 2012.
2. Enwemeka CS: Photoengineering of Tissue Repair and Photo-eradication of Bacteria and Other Pathogens With Blue Light. Invited Keynote Lecture, Presented at the Joint Congress of the American Society for Laser Medicine and Surgery and The North American Association for Laser Therapy, Orlando, FL, April 21, 2012.
3. Enwemeka CS: Illuminating Health Care In Brazil. Invited Academic Adventure Lecture, University of Wisconsin – Milwaukee, October 29, 2010.

4. Enwemeka CS: Advances in Laser Photoengineering of Tissue Repair. Presented to the faculty and staff, Department of Human Movement Sciences, College of Health Sciences, University of Wisconsin – Milwaukee, February 16, 2010.
5. Enwemeka CS: Jessie M. Ball: Footprints, Legacy and Lessons of A Professional Life. Invited Key Note Presentation, Department of Physical Therapy and Rehabilitation Sciences, University of Kansas Annual Jesse M. Ball Lecture, October 16 2009.
6. Enwemeka CS: What It Means To Be A 21<sup>st</sup> Century Physical Therapist. Invited Presentation, Department of Physical Therapy and Rehabilitation Sciences, University of Kansas Medical Center, Kansas City, KS, February 6, 2009.
7. Enwemeka CS: Cultural Competence: Every Medical Practice is a Global Practice. Invited Lecture, presented at New York College of Osteopathic Medicine, New York Institute of Technology, Old Westbury, NY, September 25, 2008.
8. Enwemeka CS: Evidence-Based Clinical Utilization of Light and Laser Phototherapy. Invited Workshop, presentation, Milwaukee, WI, September 18, 2008. Sponsor: Wisconsin Chiropractic Association.
9. Enwemeka CS: Advances In Laser Photoengineering of Tissue Repair Processes In Chronic Diabetic Ulcers. Invited Paper, presented at the 8<sup>th</sup> Annual Conference of the North American Association for Laser Therapy, West Palm Beach, Florida, June 14, 2008.
10. Enwemeka CS: How To Write Research Papers and Research Proposals. Invited Lecture: New York Institute of Techonology, Old Westbury, NY, April 18, 2008.
11. Enwemeka CS: Statistical Meta-analysis. Invited Lecture, presented at New York Institute of Techonology, Old Westbury, NY, April 15, 2008.
12. Enwemeka CS: Light and Life: How Light Sustains Life. Invited Public Lecture, New York Institute of Technology, Old Westbury, NY, November 14, 2006.
13. Enwemeka CS: Evidence-based Clinical Utilization of Therapeutic Light and Lasers. Invited Symposium, presented at Madison, WI, June 28, 2006; Sponsor: Wisconsin Chiropractic Society.
14. Enwemeka CS: Evidence-based Clinical Application of Laser Phototherapy. Invited Professional Continuing Education Workshop, presented at Washington DC, June 3, 2006; Sponsor: W.S. Medical.
15. Enwemeka CS: Evidence-based Clinical Utilization of Therapeutic Light and Lasers. Invited Paper, presented at the 19<sup>th</sup> Annual Conference of Advanced Wound Care Society, San Antonio, TX, May 3, 2006.
16. Enwemeka CS: Evidence-based Clinical Utilization of Therapeutic Light and Lasers. Invited Workshop, presented at the Annual Conference of the Minnesota Chapter of the American Physical Therapy Association, Minneapolis, MN, April 7, 2006.
17. Enwemeka CS: The Scientific Basis for Clinical Laser and Light Therapy. Invited Symposium, presented at the Annual Conference of the American Physical Therapy Association, San Diego, CA, February 1, 2006.
18. Enwemeka CS: Evidence-based Clinical Utilization of Light and Laser Phototherapy. Invited Professional Continuing Education Workshop, presented at Fargo, ND, November 19, 2005; Sponsor: Teratech, Inc.
19. Enwemeka CS: Evidence-based Clinical Utilization of Light and Laser

- Phototherapy. Invited Lecture presented at the Annual Meeting of the West Virginia Chiropractic Society, Charleston, WV, September 30, 2005.
20. Enwemeka CS: Evidence-based Clinical Utilization of Light and Laser Phototherapy. Invited Lecture presented at the University of Southern California School of Medicine, September 24, 2005.
  21. Enwemeka CS: Phototherapy for Muscle and Tendon Repair. Invited Paper, presented at the Annual Conference of the North American Association for Laser Therapy, Fort Lauderdale, FL, May 20, 2005.
  22. Enwemeka CS: Mechanisms of Light Activated Tissue Repair and Pain Control. Invited Symposium presented at the Annual Conference of the American Physical Therapy Association, New Orleans, LA, February 24, 2005.
  23. Enwemeka CS: Physiological Basis of Connective Tissue Rehabilitation. Invited Lecture Presented at the 7th Annual Conference of the American Academy of Physical Therapy, Atlanta, GA, October 12, 1995 [SPONSOR: American Academy of Physical Therapy].
  24. Enwemeka CS: Integrating Laser Photostimulation in Clinical Practice. Invited Symposium presented at the Annual Conference of the American Physical Therapy Association, June 19 - 24, 2001.
  25. Enwemeka CS: History, Biophysics, and Physiological Basis of Laser Photostimulation. Invited Symposium presented at the Annual Conference of the American Physical Therapy Association, June 19 - 24, 2001.
  26. Enwemeka CS: Update On Ultrasound and Electrical Stimulation: The Science Behind The Practice. A two-day Workshop Presented at Beachwood Ohio, September 29 - 30, 1995 [SPONSOR: Centers for Rehabilitation, Beachwood, OH].
  27. Enwemeka CS: Clinical Ultrasound and Electrical Stimulation: The Science Behind The Practice. Presented at the 6th Annual Meeting of Texas Network of Minority Physical Therapists, San Antonio TX, January 20 - 21, 1995.
  28. Enwemeka CS: Update on Ultrasound and Electrical Stimulation: The Science Behind the Practice. Invited Seminar, presented at the American Academy of Physical Therapy, Chicago IL, September 15-16, 1994.
  29. Enwemeka CS: Laser Photostimulation: Biophysics and Potential Clinical Application. Invited Seminar, presented at the Great Lakes Association of Clinical Medicine, Pittsburgh PA, September 17, 1994 SPONSOR: North American Research Institute, Inc.
  30. Enwemeka CS: Clinical Ultrasound & Electrical Stimulation II: The Science Behind The Practice. Invited Seminar, presented at the Physical Therapy Association of Georgia Annual Fall Conference, January 20, 1994. SPONSOR: Physical Therapy Association of Georgia.
  31. Enwemeka CS: Update on Therapeutic Ultrasound & Electrical Stimulation: The Science Behind The Practice. Invited Seminar, presented at the Physical Therapy Association of Georgia Annual Fall Conference, September 10 - 11, 1993. SPONSOR: Physical Therapy Association of Georgia (PTAG).
  32. Enwemeka CS: Update on Therapeutic Ultrasound. Invited Seminar, presented at the Dynatronics Annual Dealers Conference, Salt Lake City, UT, March 11 - 12, 1993. SPONSOR: Dynatronics Inc.
  33. Enwemeka CS: Update On Physical Modalities: Clinical Ultrasound, Electrical

- Stimulation & Laser Photostimulation [The Science Behind The Practice]. Invited Seminar, presented at Denver CO, October 2-3, 1992. SPONSOR: Colorado Chapter, American Physical Therapy Association.
34. Enwemeka CS: Update On Clinical Ultrasound & Electrical Stimulation: The Science Behind The Practice. Invited Presentation, at the University of Maryland, College Park, Maryland, October 5 & 6, 1991.
  35. Enwemeka CS: The Value of Research In Physical Therapy To Clinical Practice. Invited Guest Lecture presented at the University of Maryland at Eastern Shore, Princess Ann, Maryland, October 4, 1991.
  36. Enwemeka CS: Tissue Response To Therapeutic Ultrasound. Invited Presentation, at the American Physical Therapy Association Section on Clinical Electrophysiology Seminar, Chicago IL, April 1992.
  37. Enwemeka CS: Laser Photostimulation of Regenerating Tendons. Orthopaedics Grand Round, University of Miami School of Medicine, March 12, 1992.
  38. Enwemeka CS: Physical Therapy Education In Nigeria. Invited Presentation, at the Combined Sections Meeting of the American Physical Therapy Association held at San Francisco, February, 1992 (Sponsored by APTA Section on Community Health).
  39. Enwemeka CS: Connective Tissue Plasticity: Effects of Physical Factors on Intact and Regenerating Tendons. Invited Guest Symposium, Presented at the Combined Sections Meeting of the American Physical Therapy Association (Eugene Michels' Forum) held at Orlando FL, January 30 - February 3, 1991.
  40. Enwemeka CS: Ultrastructural Effects of Laser Photostimulation. Invited Guest Symposium Presented at the 9th International Congress on the Application of Lasers in Electro-optics held at Boston MA, November 5-9, 1990.
  41. Enwemeka CS: The Effects of Exercise and Physical Modalities on Tendon Healing. Invited Seminar presentation for Physical Therapists and Occupational Therapists at the Veterans Affairs Medical Center, Miami FL, October 16, 1990.
  42. Enwemeka CS: The Effects of Cast Immobilization on Normal Intact Tendons. Orthopaedics Grand Round, University of Miami School of Medicine, October 4, 1990
  43. Enwemeka CS: The Effects of Physical Activities and Physical Agents on Tendon Healing. Orthopaedics Grand Round, University of Miami School of Medicine, March 8, 1990 .
  44. Enwemeka CS: Introduction to Laser Biophysics and Potential Clinical Applications of Laser Biostimulation; (Invited Guest Speaker). Presented at Howard University Hospital, Washington DC. Sponsors: District of Columbia Physical Therapy Association and Howard University Physical Therapy Alumni. September 17, 1989.
  45. Enwemeka CS: Update on Laser & MENS, Invited panel presentation, Combined Sections Meeting of the American Physical Therapy Association, Honolulu, Hawaii, February 3, 1989. Sponsor: APTA sections on Clinical Electrophysiology and Research.
  46. Enwemeka CS: The Effects of Physical Modalities, Diet and Physical Activities on Tendon Growth and Regeneration. Invited Presentation, Texas Woman's University, Houston TX, February 27, 1989. Sponsor: Physical Therapy Program,

- TWU, Houston.
47. Enwemeka CS: Developing a Clinical Research Program; Invited Paper presented at the 2nd Annual Meeting of Texas Network of Minority Physical Therapists, Dallas TX, January 21, 1989.
  48. Enwemeka CS: The Effects of Diet, Physical Activities and Physical Therapy Modalities on Tendon Growth and Regeneration; Invited Presentation, University of Iowa, January 24, 1989. Sponsor: Physical Therapy Program, University of Iowa.
  49. Enwemeka CS: Modulation of tendon growth and regeneration by physical therapy modalities and procedures. Invited Presentation, University of Alabama at Birmingham, Birmingham, AL October 21, 1988. (Sponsor: Division of Physical Therapy, University of Alabama at Birmingham).
  50. Enwemeka CS: Workshop on Research in Sports Medicine and Physical Fitness. (Invited Guest Panelist, National Institutes of Health, Bethesda, MD; November 21, 1988. Sponsor: NIH-National Institute for Arthritis, Musculoskeletal and Skin Diseases).
  51. Enwemeka CS: Application of computer packages in research. Invited Paper presented at the Texas Physical Therapy Association Meeting, Dallas, May 13, 1988. (Sponsor: Texas Physical Therapy Association & UTHSC-PT).
  52. Enwemeka CS: Biomechanics and Applied Anatomy of the Hand. Invited Guest Seminar conducted at the 10th Annual National Meeting of the American Hand Therapy Society, San Antonio, Texas, September 12, 1987.
  53. Enwemeka CS: Gross Anatomy of the Hand. Invited Seminar & Laboratory Session conducted for the San Antonio Hand Interest Group, July 9, 1987.
  54. Enwemeka CS: Prevention of Low Back Pain and Neck Pain; Practical Application of Biomechanical Principles in the Work Place. Invited Seminar presented at the San Antonio District Dental Hygiene Society Meeting, November 13, 1986.
  55. Enwemeka CS: The Effect of Early Function on Healing Tendon, Presented at the Annual Conference of the Texas Physical Therapy Association, San Antonio TX, May, 1986.
  56. Enwemeka CS: The Effects of Therapeutic Ultrasound on Tendon Healing, Presented at the 1988 Combined Sections Meeting of the American Physical Therapy Association, Washington D.C., February 14, 1988.
  57. Enwemeka CS: Correlative Morphometric and Biomechanical Effects of Early Weight-bearing on Regenerating Tendons, Presented at the 1988 Combined Sections Meeting of the American Physical Therapy Association, Washington D.C., February 14, 1988.
  58. Enwemeka CS: The effects of early function on collagen fibril populations in regenerating tendons, paper presented at the Federation of American Societies for Experimental Biology (FASEB) meeting, Las Vegas, May 5, 1988.
  59. Enwemeka CS: The Effects of Early Function on Tendon Healing, Paper Presented at the American College of Sports Medicine Meeting in Dallas, May 26, 1988.
  60. Enwemeka CS: Biomechanical Changes Induced by Early Weight-bearing Regenerating Rabbit Achilles Tendon, Paper Presented at the Joint Conference of



- the American Physical Therapy Association and the Canadian Physiotherapy Association in Las Vegas, June 15, 1988.
61. Enwemeka CS: Cellularity in the Regenerating Tendon: Implications for Physical Therapy. Presented at the Joint Conference of the American Physical Therapy Association and the Canadian Physiotherapy Association in Las Vegas, June 14, 1988.
  62. Enwemeka CS, Fernandes G, Rodriguez O: The Effects of Exercise and Food Restriction on Collagen Fibril Populations in Rat Tendons. Paper Presented at the American College of Sports Medicine Meeting in Baltimore, June 2, 1989.
  63. Enwemeka CS: Regional Changes in the Regenerating Calcaneal Tendon: Implications for Physical Therapy. Paper Presented at the Annual conference of the American Physical Therapy Association, Nashville, June, 1989.
  64. Enwemeka CS: Morphometrics of collagen fibril populations in He-Ne laser photostimulated tendons. Presented at the 8th Congress of the International Society for Laser Surgery and Medicine, Taipei, Taiwan R.O.C.; Nov. 3- 7, 1989.
  65. Enwemeka CS, Maxwell LC, Fernandes G: The Effects of Exercise and Food Restriction on Rat Skeletal Muscles. (Presented at the Federation of American Societies for Experimental Biology Meeting, Washington DC, April 2, 1990.
  66. Enwemeka CS: Correlative ultrastructural, and biomechanical changes induced in regenerating tendons exposed to laser photostimulation. Presented at the Annual Conference of the American Society for Laser Medicine and Surgery, Nashville TN, April 7, 1990
  67. Enwemeka CS: The effects of ultrasonic therapy on tendon healing. Presented at the Annual Conference of the American College of Sports Medicine, Salt Lake City, May 25, 1990.
  68. Enwemeka CS: Ultrastructural changes induced by cast immobilization in the isolated soleus tendon. Presented at the Annual Conference of the American Physical Therapy Association, Anaheim, CA, June 28, 1990
  69. Enwemeka CS: Galium-Arsenide laser photostimulation augments the strength of healing rabbit calcaneal tendons. Presented at the American Society for Laser Medicine and Surgery Meeting, San Diego CA, April, 1991.
  70. Enwemeka CS, Pay TD, Bond SL: Validity of torque values produced by the Lido and Kin-Com dynamometers in response to change in load, angle and moment arm. Presented at the Annual Conference of the American Physical Therapy Association, Boston MA, June 1991.
  71. Enwemeka CS, Braekel C, Butler J: Patella tendon height after anterior cruciate ligament reconstruction. Presented at the Annual Conference of the American Physical Therapy Association, Boston MA, June 1991.
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## VII. TEACHING

### Graduate Courses

- 1981** Gross Anatomy Tutor, University of Port Harcourt Medical School, Port Harcourt, Nigeria. (Approximately, 40 contact hours).
- 1984/85** Applied Anatomy and Musculoskeletal Physical Therapy. Long Island

- University, Brooklyn, NY (Adjunct instructor).
- 1989** Principal Instructor, Analysis of Normal Human Motion. University of Miami School of Medicine (60 contact hours)
- 1990** Principal Instructor, Analysis of Abnormal Human Motion. University of Miami School of Medicine (46 contact hours)
- 1990** Analysis of Normal Human Motion. University of Miami School of Medicine (24 contact hours).
- 1991** Principal Instructor, Research Methods. University of Miami School of Medicine (45 contact hours).
- 1992** Research Methods, University of Miami School of Medicine (12 hours)  
Analysis of Abnormal Human Motion, University of Miami School of Medicine (8 contact hours).  
Clinical Research I, University of Miami School of Medicine (8 contact hours).  
Electrotherapy, University of Miami School of Medicine (2 contact hours).  
Clinical Skills, University of Miami School of Medicine (2 contact hours).
- 1993** Sole Instructor: PHTH 835: Clinical Research In Physical Therapy, (16 Contact Hours), University of Kansas Medical Center.  
PHTH 880: Clinical Education IV (6 Contact Hours), University of Kansas Medical Center.  
Sole Instructor: PHTH 740: Research Methods (48 Contact Hours), University of Kansas Medical Center.
- 1994** Sole Instructor: PHTH 740: Research Methods (48 Contact Hours), University of Kansas Medical Center.
- 1995** Sole Instructor: PHTH 740: Research Methods (48 Contact Hours), University of Kansas Medical Center.
- 1996** Principal Instructor: PHTH 740: Research Methods (24 Contact Hours), University of Kansas Medical Center.
- 1996** Co-Instructor: PHTH 711: Applied Kinesiology (6 contact hours), University of Kansas Medical Center.
- 1997** Co-Director: PHTH 740: Research In Physical Therapy, (24 Contact Hours), University of Kansas Medical Center.
- 1998** Co-Instructor: PHTH 740: Research In Physical Therapy I, (16 Contact Hours), University of Kansas Medical Center.
- 1998** Co-Instructor: PHTH 741 Research In Physical Therapy II, (16 Contact Hours), University of Kansas Medical Center.
- 1999** Co-Instructor: PHTH 740: Research In Physical Therapy I, (8 Contact Hours), University of Kansas Medical Center.
- 2001** Course Director, PHTH 862: Pathobiology of Human Function I (60 contact hours), University of Kansas Medical Center.
- 2001** Sole Instructor: PHTH 740: Research In Physical Therapy I, (16 Contact Hours), University of Kansas Medical Center.
- 2002** Sole Instructor: PHTH 740: Research In Physical Therapy I, (16 Contact Hours), University of Kansas Medical Center.
- 2002** Principal Instructor, PHTH 862: Pathobiology of Human Function I (a 60 contact hours PhD course), University of Kansas Medical Center.
- 2005** Sole Instructor, PHTH 800: Research Design (a 48 contact hour course), New

York Institute of Technology, Fall, 2005, taught as a hybrid formal lecture and online class.

- 2007 Sole Instructor, PHTH 800: Research Design (a 48 contact hour course), New York Institute of Technology, Summer 2007; taught online.
- 2008 Sole Instructor, PHTH 800: Research Design (a 48 contact hour course), New York Institute of Technology, Summer 2008; taught online.

### Undergraduate Courses

- 1986 Principal Instructor, Physical Modalities II (Clinical Electrotherapy). University of Texas Health Science Center at San Antonio (36 contact hours).
- 1986 Sole Instructor, Gross Anatomy. University of Texas Health Science Center at San Antonio (160 contact hours).
- 1986 Sole Instructor, Kinesiology. University of Texas Health Science Center at San Antonio (64 contact hours).
- 1987 Sole Instructor, Gross Anatomy. University of Texas Health Science Center at San Antonio (160 contact hours).
- 1987 Sole Instructor, Kinesiology. University of Texas Health Science Center at San Antonio (74 contact hours).
- 1988 Sole Instructor, Gross Anatomy. University of Texas Health Science Center at San Antonio (160 contact hours).
- 1988 Sole Instructor, Kinesiology. University of Texas Health Science Center at San Antonio (104 contact hours).
- 1989 Principal Instructor, Gross Anatomy. University of Texas Health Science Center at San Antonio (160 contact hours).

### Thesis and Dissertation Advising/ Research Fellows Trained

#### Doctoral PhD Level

1. Rachel Lai-Chu Kwan, PhD Rehabilitation Science, Department of Rehabilitation Sciences, Hong Kong Polytechnic, Hong Kong. [I served as Ms Kwan's External Examiner] *DISSERTATION: "A Comprehensive Assessment And Management Program for Diabetic Ulcer."*
2. Daniela Santos Masson, PhD Biotechnology, University of São Paulo School of Medicine, Riberão Preto, SP, Brazil; conducted aspects of her doctoral dissertation at the University of Wisconsin – Milwaukee under my supervision. Title of Dissertation: *Assessment Of Healing Potential And Antimicrobial Activity Of Copaiba Oil In Cutaneous Wounds.*
3. Debora Minatel, PhD (Biotechnology) Department of Biotechnology, Universidad Federal de Amazon, Manaus, Brazil, in collaboration with Universidad de Riberão Preto, Riberão Preto, Brazil and the University of São Paulo, São Paulo, Brazil. *DISSERTATION: The Effects of Barbatimão and Laser Photobioactivation on Repair of Chronic Diabetic Ulcers, 2008 to 2011; Will defend dissertation on September 1, 2011.* [I serve as her research supervisor and mentor].
4. Nicolette Nardene Houreld, Ph.D. (Biomedical Technology), Faculty of Health Sciences, University of Johannesburg, Johannesburg, South Africa. [I served as an External Reviewer]. *DISSERTATION: The Effect of Low Level Laser Therapy on*

- Cellular and Molecular Events in Diabetic Wound Healing – An in vitro Study.*
5. Ah Cheng Goh, Ph.D. (Physical Therapy) School of Physiotherapy, Curtin University of Technology, Perth, Australia. [I served as Dr. Goh's External Examiner] *DISSERTATION: An evidence-based model for determining treatment dosages in therapeutic ultrasound using thermometry: An in-vitro investigation using post-mortem pig tissues.*
  6. Dicky T. C. Fung, Ph.D. (Rehabilitation Science, 2003) School of Rehabilitation Science, Hong Kong Polytechnic University, Hong Kong. [I served as Mr. Fung's External Examiner] *DISSERTATION: The effects of herbal medication and therapeutic laser on the biomechanical strength and ultrastructural morphology of a repairing ligament in rats".*
  7. Satish Devadas, Ph.D. (Biochemistry, 1999), Central Leather Institute, University of Madras, Madras, India. [I served as External Examiner]. *DISSERTATION: Osteoarthritis in Rats: Biochemical profile and altered signal transduction, and the Effect of a Tetrapeptide Derivative in vitro.*
  8. Anne Sojka, P.T., Ph.D. (Anatomy & Cell Biology, 1997), Department of Anatomy & Cell Biology, University of Kansas Medical Center, Kansas City, KS. [I served on her doctoral dissertation committee]. *DISSERTATION: Effects of Neuromuscular Activity on the distribution of synaptic specific molecules.*
  9. Joseph Egbebike, P.T., Ph.D. (Pathokinesiology, 1992), Department of Physical Therapy, New York University, New York, NY. Doctoral Dissertation Research (1991-1992). [Note: Mr. Egbebike conducted his dissertation research at my research laboratory under my direct supervision]. *DISSERTATION: Effect of low-intensity therapeutic ultrasound on the healing and ultrastructure of transected medial collateral ligament (MCL) in rabbits.*
- Professional Doctoral Degree Level**
10. David Johnson, Richie Lenz, James DeLuca, Seema Dhimmer, Keyuri Patel, Andras Fulop, Doctor of Physical Therapy (DPT), 2009, New York Institute of Technology; [I serve as mentor and research supervisor] *RESEARCH STUDY: The Effect of laser phototherapy on tissue repair and pain control: A meta-analysis study.*

### Research Fellows

11. Wendy Nguyen M.D., Summer Research Fellow (1988), University of Texas Health Science Center at San Antonio. [I served as Dr. Nguyen's research mentor].
12. Misrak Tadesse M.D., Summer Research Fellow (1988), University of Texas Health Science Center at San Antonio. [I served as Dr. Tadesse's research mentor].
13. Angela A. Huff M.D., Summer Research Fellow (1989), University of Texas Health Science Center at San Antonio. [I served as Ms. Huff's research mentor].
14. Sonia Mendosa, Summer Research Fellow, currently a school teacher in San Antonio, TX. [I served as Ms. Mendosa's research mentor during her High School research fellowship].
15. Jerome Frenette M.Sc, Ph.D. Trained for four months in my lab as a graduate Student from the Department of Physiology, Laval University, Quebec City, Quebec, Canada, September 1990 - January 1991. Now Associate Professor of Physical Therapy at Laval University, Quebec City, Quebec, Canada.

16. Francisco Flores, M.D., University of Miami School of Medicine, Miami, FL. Summer Research Fellow, 1992.
17. Shigeyuki Suzuki, Ph.D. Visiting Associate Professor from Nagoya University, Nagoya, Japan. He trained in my lab for six months during 1997. *He is now a full professor at his university.*
18. Stephen Hollosi, DO, Did his final year medical school research fellowship in my laboratory, 2007.

**Master's Level (Original Thesis)**

19. Melanie M. Moody M.S. in Physiology, University of Texas Health Science Center, San Antonio, TX [I was a member of Ms. Moody's Thesis Supervising Committee]. Thesis: Effects of Early Weight-Bearing on Recovery of Skeletal Muscle Following Tendon Repair. Submitted to The Department of Physiology, The University of Texas Health Science Center at San Antonio, San Antonio, TX, 1990.
20. Anne Charles McCormick, M.S. in Musculoskeletal Physical Therapy, University of Miami School of Medicine, Miami, FL [I was Ms. McCormick's mentor and Chairperson of her Research Committee]. Thesis: A comparison of Two Methods of Measuring Wound Size. Submitted to The University of Miami School of Medicine, Miami, FL, 1993.
21. Cameron D. Barham, MS, Windy M. Brannon, MS, Julie M. Bounkeo, MS, and Kenneth S. Dowes, MS: [I was a member of their Thesis Supervising Committee]. Thesis: The Efficacy of Laser Therapy in The Treatment of Wounds: A Meta-Analysis of The Literature; Submitted to Graduate Programs in Physical Therapy, North Georgia College & State University, Dahlonega, GA, 1999.
22. Steven J. Balmes, MS, Yolanda D. Cooper, MS, Olabisi M. Jarrett, MS, Bobby Kannady, Jr. MS: [I was a member of their Thesis Supervising Committee]. Thesis: The Effectiveness of Low Level Laser Therapy on Carpal Tunnel Syndrome; Submitted to Graduate Programs in Physical Therapy, North Georgia College & State University, Dahlonega, GA, 2000.
23. Kelly Caetano, MS (Bioengineering) [I was her research mentor] Thesis: "Avaliação do tratamento de úlceras venosas crônicas com fototerapia (LED'S) e sulfadiazina de prata a 1%", Department of Bioengineering, University of São Paulo Faculty of Medicine, Ribeirão Preto, São Paulo, Brazil.
24. Saulo Nani Leite, MS (Bioengineering) [I was his research mentor]. Thesis: Phototherapy promotes healing of cutaneous wounds in undernourished rats. Interunits in Bioengineering of Electric Engineering School and Institute of Chemistry of São Carlos and Faculty of Medicine of Ribeirão Preto, University of São Paulo, São Carlos, Brazil.

**Master's Level (Research Projects)** [*Performed in groups of 2 - 4 students per project*]

25. Sandra Bond, B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
26. Timothy Pay, B.S, M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami,

- FL [I was the Chairman of his Research Committee].
27. Cynthia Braekel B.S., A.T.C., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
  28. John Butler B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of his Research Committee].
  29. Steve Swirsky B.S., A.T.C., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of his Research Committee].
  30. Diana Johnson B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
  31. Ken Wilner B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of his Research Committee].
  32. Susan Rodman B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
  33. Donna Cutaia B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
  34. Kim Chambers B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
  35. Elyssa Cohen B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
  36. Eilleen, Duswalt B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
  37. Steve Biancardi B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of his Research Committee].
  38. Heather Duda B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
  39. Leza Hatch A.T.C., M.A., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
  40. Daryl Hurwitz B.S., A.T.C., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of his Research Committee].
  41. Beth Eblen B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].

42. Jill Marteens B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
43. Kristine Miller B.S., A.T.C., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
44. Angela Sprouse B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
45. MaryAnn McMenemin B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
46. Diane Webber B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
47. Carolyn McCrystal B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
48. Karen Beernink B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of her Research Committee].
49. Dale Edgell, B.S., M.S.P.T., Department of Orthopaedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine, Miami, FL [I was the Chairman of his Research Committee].
50. Sherri Becker, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
51. Wasy Peneger, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
52. David Sanderson, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of his Research Committee].
53. Dan Swihart, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of his Research Committee].
54. Kristi Prange, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
55. Sangini Shah, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
56. Mary Smejkal, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
57. Michael Zalman, M.S., Department of Physical Therapy Education, University of

- Kansas Medical Center, Kansas City, KS. [I was the Chairman of his Research Committee].
58. Chris Allen, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of his Research Committee].
  59. Patrick Avila, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of his Research Committee].
  60. Jason Bina, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of his Research Committee].
  61. Jason Konrade, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of his Research Committee].
  62. Cara Booth, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
  63. Shelley Fisher, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
  64. Sandy Seiler, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
  65. Angela Weber, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
  66. Amy Dowson, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
  67. Julie Howard, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
  68. Shawna Robb, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
  69. Jason Parker, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of his Research Committee].
  70. David Dowdy, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of his Research Committee].
  71. Erin Harkness, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of her Research Committee].
  72. Leif Sanford, M.S., Department of Physical Therapy Education, University of Kansas Medical Center, Kansas City, KS. [I was the Chairman of his Research



Committee].

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## VIII SERVICE

### California State University System

1. Member, Leadership Development Council, since fall 2015
2. Member, Graduation 2025 Student Success Initiative, since fall 2015

### San Diego State University, San Diego, CA

1. Member, President's Leadership Cabinet, since July 2014
2. Member, Council of Vice Presidents, Since July 2014
3. Chairperson, Academic Deans Council, since July 2014

### University of Wisconsin – Milwaukee Committees and Administrative Responsibilities

3. Member, Academic Dean's Council, August, 2009 to date.
4. Member, Search Committee for the Dean, School of Education, September 2010 to May, 2011.
5. Member, Academic Planning Committee, August 2010 to May, 2011.
6. Member, Space Committee, July 2010 to date.
7. Member, Research Strategic Planning Committee, September 2010 to May, 2011.
8. Member, Task Force on Growth Agenda, October 2010 to date.
9. Member, University Policy Committee, August 2011 to date.
10. Member, Budget Allocation and Reallocation Committee, October 2011 to date.
11. Member, Graduate School Reorganization Committee, Spring 2012 to date.
12. Member, Task Force to reorganize the Office of The Vice Chancellor for Research and Economic Development, Fall, 2012.

### New York Institute of Technology Committees and Administrative Responsibilities

1. Member, Search Committee for the Dean, School of Engineering, January, 2008 to date.
2. Member, *ad hoc* Presidents and Deans Council, since 2005.
3. Member, Council of Deans, March 2003 to date.
4. Member, Institutional 2030 Strategic Plan Steering Committee, Since September 2005.
5. Member, Activity-Based (Revenue Allocation) Financial Planning Committee, Since September 2004.
6. Member, Presidential Committee on Three Campus Planning, (October 2003 to May 2004).
7. Member, Middle States Accreditation Committee, Since September, 2006.
8. Chairperson, Administrative Cabinet, School of Health Professions, March 2003 to date.
9. Member, Faculty Clinical Practice Committee, New York College of Osteopathic Medicine (October 2003 to date).
10. Member, Deans' Council, New York College of Osteopathic Medicine, March

2003 to date.

#### **University of Kansas Committees and Administrative Responsibilities**

1. Member, Executive Committee of the Graduate School, July 2002 to February, 2003.
2. Member, New Graduate Degrees & Programs Committee, July 1998 to June 2002.
3. Member, Graduate Council, University of Kansas (7/93 to 4/96, and 6/98 - 2/03).
4. Member, Graduate Faculty Scholarly & Professional Activities Committee, University of Kansas (7/93 to 1996).
5. Member, International Exchange Committee, University of Kansas Medical Center (KUMC), July 1, 1997 to February, 2003.
6. Member, Human Subjects Committee, KUMC, 7/98 - 2/99.
7. Member, Appointment, Promotion and Tenure Committee, School of Allied Health, KUMC) (7/93 to June 1997, June 1998- 2000).
8. Member, Ad hoc Strategic Planning Committee, School of Allied Health, KUMC (9/94 - 2/95).

#### **University of Miami Committees and Administrative Responsibilities**

1. Associate Director for Research, Department of Orthopedics & Rehabilitation, Division of Physical Therapy, University of Miami School of Medicine [1/90 to 6/92]
2. Member, School of Medicine Animal Research Committee [6/90 to 2/93]
3. Chairman, Department of Orthopedics & Rehabilitation, Division of Physical Therapy Ph.D. Committee, Fall, 1991 to Fall 1992.
4. Chairman, Division of Physical Therapy Research Committee [9/89 to 2/93].
5. Member, Division of Physical Therapy Admissions Committee [9/89 to 9/90]
6. Member, Division of Physical Therapy Faculty Search Committee, Spring, 1991.
7. Member, Division of Physical Therapy Administrative Committee [9/89 to 2/93]

#### **Department of Veterans Affairs, Miami Medical Center, Miami**

1. Chairman, Morphology Sub-Committee, 1990 to 1991.
2. Chairman, Animal Research Committee, 1992 to 1993.
3. Member, Animal Research Committee, 1989 to 1990
4. Member, Research Equipment Sub-Committee, 1989 to 1990.
5. Member, Morphology Committee, 1989, became chairman in 1990.
6. Member, Research and Development Committee, 1991 to 1993.

#### **The University of Texas Health Science Center at San Antonio**

1. Chairman of Graduate Studies Committee, Physical Therapy Program (1/87 - 8/89).
2. Vice-Chairman of Faculty Assembly, School of Allied Health 1988-89.
3. Member of Southern Association of Colleges *ad hoc* committee on Institutional Effectiveness 1987-88.

4. Member of Physical Therapy Admissions Committee (3/86 - 8/89)
5. Member of Curriculum Review & Development Committee, Physical Therapy Program (3/86 - 8/89)
6. Member of Committee on Allied Health Studies (3/86 -8/89).

**University of Port Harcourt, Port Harcourt, Nigeria**

1. Member, Curriculum Development & Evaluation Committee, School of Medicine, March 1980 to August, 1981.
  2. Member, Admissions Committee, School of Medicine, March 1980 to August, 1981.
  3. Member, University Class Scheduling Committee, March 1980 to August, 1981.
  4. Secretary, Faculty Committee, School of Medicine, March 1980 to August, 1981.
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**IX. SELECTED RECENT MEDIA COVERAGE OF MY WORK**

1. Blue Light Kills MRSA, [WebMD Health News](#), Feb 04,2009
2. Blue Light Kills MRSA, [CBS News](#), Feb 04,2009
3. Blue Light Zaps Infection, [Photonics](#), Feb 05,2009
4. Blue Light Destroys Antibiotic-Resistant Staph Infection, [Breakthrough Digest Medical News](#), Jan 29,2009
5. Blue Light Destroys Antibiotic-Resistant Staph Infection, [Forbes](#), Jan 29,2009
6. Blue Light Destroys Antibiotic-Resistant Staph Infection - Results Reported in Photomedicine and Laser Surgery Journal, [Fox Business News](#), Jan 29,2009
7. Blue Light Destroys Antibiotic-Resistant Staph Infection - Results Reported in Photomedicine and Laser Surgery Journal, [Austin Business Journal](#), Jan 29,2009
8. Blue Light Destroys Antibiotic-Resistant Staph Infection - Results Reported in Photomedicine...,[Reuters](#), Jan 29,2009
9. Blue light destroys MRSA, [United Press International](#), Jan 30,2009
10. Blue Light Destroys Antibiotic-resistant Staph Infection, [Science Daily News](#), Jan 31,2009
11. Blue light destroys antibiotic-resistant staph infection, [e! Science News](#),Jan 29,2009
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**X. INTERNATIONAL TRAVEL AND MULTICULTURAL EXPERIENCES**

- I have visited the following countries and gained academic, research, and multicultural international experiences through visiting professorships, invited lectures, conference presentations, participation in funded research projects, academic program development and implementation, and sight-seeing.

**Argentina**, 2000; **Australia**, 2000 (x2), 2012; **Austria**, 2010, **Bahamas**, 1989; **Bahrain**, 2003, 2004 & 2008; **Brazil**, 1998, 1999, 2001, 2003, 2004 (x2), 2005 (x4), 2006, 2007 (x2), 2009; **Canada**, 1988, 1990, 1992, 1994, 2003, 2006, 2007, 2009, 2010 **China**, 1999, 2004; **Cyprus**, 2006; **Hong Kong**, 2002, 2003 & 2009; **Colombia**, 2001; **Egypt**, 2003; **Ghana**, 2007; **Germany**, 1986, 1998, 1999 & 2001, 2012; **Greece**, 2000, 2006; **India**, 2001; **Israel**, 2000; **Italy**, 1997, 1998, 1999, 2001, 2009, 2012; **Japan**, 1990, 1991, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2016; **Jordan**, 2003, 2004, 2006, **Republic of Korea**, 2013; **Mexico**, 1986, 1987, 2016; **The Netherlands**, 1986, 1997; **Nigeria**, (Birth place, lived there for 28 years, and visits regularly); **Norway**, 1995, 2010; **Palestinian Territory**, 2000; **Portugal**, 2007; **Romania**, 1997, 1998, 1999, 2000 (x2), 2001, 2002; **Singapore**, 2000 (x2); **Saudi Arabia**, 2006; **Sweden**, 2010; **South Africa**, 2006, 2008 & 2009; **Spain**, 1994 & 2012; **Swaziland**, 2008; **Taiwan**, 1989; **United Arab Emirates**, April, and October, 2008; 2010; 2012; 2015; **United Kingdom**, 1981, 1982, 1984, 1985, 1986, 1991, 1993, 1994, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2006, 2012, 2013.