

VITAE

NAME: Wei R. Chen, PhD

POSITION TITLE:

Dean
College of Mathematics and Science
University of Central Oklahoma

Director
Center for Interdisciplinary Biomedical Education and Research (CIBER)
College of Mathematics and Science
University of Central Oklahoma

Professor
Biomedical Engineering Program
Department of Engineering and Physics
University of Central Oklahoma

CURRENT ADDRESS:

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Campus Box 177
University of Central Oklahoma
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Edmond, Oklahoma 73034

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EDUCATION:

Shandong University, Jinan, China	B.S.	Feb. 1982	Physics
University of Oregon, Eugene, Oregon	M.S.	June 1984	Physics
University of Oregon, Eugene, Oregon	Ph.D.	Aug. 1988	Physics
University of Oregon, Eugene, Oregon	Postdoc.	1989	Physics

PROFESSIONAL SOCIETY:

American Physical Society, 1984-1995

SPIE- The International Society for Optics and Photonics, 1992-present

Member: Executive Organizing Committee, Biomedical Optics (BiOS) Symposium, 2006-Present

Fellow, SPIE 2007-Present

Central Oklahoma Alliance for Physics Teaching, 1992-1996

Vice Chair, 1992-1993; Chair, 1993-1994
Sigma Xi, 1999-Present
President-Elect, University of Central Oklahoma Chapter, 2004-2005; 2011-2012
President, University of Central Oklahoma Chapter, 2005-2006; 2012-2013
Past President, University of Central Oklahoma Chapter, 2006-2007; 2013-2014
Oklahoma Academic of Science, 1999-present
Vice Chair, Engineering Science Section, 2002-2003
Chair, Engineering Science Section, 2003-2004
Vice Chair, Engineering Science Section, 2004-2005
Member of Oklahoma Academic of Science Council, 2002-2005
Council of Chinese American Deans and Presidents (CCADP)
Founder and Member, 2007-present
Secretary/Treasurer, 2008-2010

ACADEMIC APPOINTMENTS:

1983-1988 *Research Assistant*, Institute of Theoretical Science, University of Oregon
1987-1988 *Teaching Assistant*, Department of Physics, University of Oregon
1988-1989 *Assistant Professor of Physics*, Parks College of St. Louis University
1989 *Research Associate*, Institute of Theoretical Science, University of Oregon
1990 *Visiting Research Associate*, Dept. of Physics and Astronomy, University of Oklahoma
1990-1996 *Adjunct Assistant Professor of Physics*, Dept. of Physics, University of Oklahoma
1989-1999 *Instructor of Physics*, Oklahoma School of Science and Mathematics
1994-1999 *Lecturer of Physics*, Department of Physics, University of Central Oklahoma
1998, Summer *Visiting Research Scientist*, Department of Radiology, University of Virginia
1999-2001 *Assistant Professor of Physics and Engineering*, Department of Physics and Engineering,
University of Central Oklahoma
1999-2000, Summer *Visiting Research Scientist*, Department of Radiology and Biomedical Engineering,
The Johns Hopkins University
2001, Summer *Senior Research Scientist*, School of Electrical Engineering, University of Oklahoma
2001- 2005 *Associate Professor of Physics and Engineering*, Department of Physics and Engineering,
University of Central Oklahoma
2001- 2006 *Director of Biomedical Engineering Program*, Department of Physics and Engineering,
University of Central Oklahoma
2004- 2007 *Adjunct Associate Professor of Physics*, Department of Physics, College of Arts and Sciences,
Oklahoma State University
2007-Present *Adjunct Professor of Physics*, Department of Physics, College of Arts and Sciences,
Oklahoma State University
1996-Present *Adjunct Associate Professor of Physics*, Department of Physics, University of Oklahoma
2001- Present *Adjunct Associate Professor*, School of Aerospace and Mechanical Engineering, University of
Oklahoma
2004- Present *Adjunct Associate Professor of Veterinary Clinical Sciences*, Department of Veterinary
Clinical Sciences, College of Veterinary Medicine, Oklahoma State University
2005 - Present *Professor of Engineering and Physics*, Department of Engineering and Physics, University of
Central Oklahoma
2006 - 2015 *Assistant Dean*, College of Mathematics and Science, University of Central Oklahoma
2006 - 2009 *Campus and Program Coordinator*, National Science Foundation (NSF) SURE-STEP
Program (Supporting Undergraduate Research and Education for the Science, Technology,
Engineering, and Mathematics Talent Expansion Program), University of Central Oklahoma

- 2009 - 2015 *Principal Investigator/Project Director*, Oklahoma National Science Foundation (NSF) STEP Program, Oklahoma
- 2010 - Present *Founder and Director*, Center for Interdisciplinary Biomedical Education and Research (CIBER), College of Mathematics and Science, University of Central Oklahoma
- 2010 - Present SPIE (The International Society for Optics and Photonics)'s *Alternate Director* on the ABET Board
- 2015 - 2016 *Interim Dean*, College of Mathematics and Science, University of Central Oklahoma
- 2016 - Present *Dean*, College of Mathematics and Science, University of Central Oklahoma
- 2016 - Present *Chair*, OK-INBRE Deans' Council

PROFESSIONAL EXPERIENCE:

Conference Organization:

- Member* Program Committee of SPIE International Conference of Laser-Tissue Interaction IX; and Chair, "Immunologic Mechanisms during PDT" session, Photonics West; January 1998, San Jose, CA
- Member* Program Committee of SPIE International Conference of Biomedical Optics and Lasers: Diagnostics and Treatment; and Chair, "Cancer Treatment" session, Photonics China '98, September 16-19, 1998, Beijing, China
- Member* Program Committee of SPIE International Conference of Laser-Tissue Interaction X; and Chair, "Immunologic Responses to Thermal and PDT Effects" session, Photonics West; January 1999, San Jose, CA
- Member* International Academic Committee and Organization Committee, International Conference on Biomedical Optics (BMO '99), October 25-27, 1999, Wuhan, China
- Member* Program Committee of SPIE International Conference of Laser-Tissue Interaction XI; and Chair, "PDT and Immunotherapy" session, Photonics West; January 2000, San Jose, CA
- Member* Program Committee of the 13th IEEE Symposium on Computer-Based Medical Systems, June 23-24, 2000, Houston, TX
- Member* Program Committee of SPIE International Conference of Biomedical Photonics and Optoelectronic Imaging; and Chair, "Applications" session, November 8-10, 2000, Beijing, China
- Member* Program Committee of SPIE International Conference of Laser-Tissue Interaction XII; and Chair, "PDT and Immunotherapy" and "PDT" sessions, Photonics West; January 2001, San Jose, CA
- Member* Program Committee of Wuhan International Workshop on Photonics and Imaging in Biology and Medicine (PIBM'01); and Chair of two sessions, October 8-10, 2001, Wuhan, China
- Member* Program Committee of SPIE International Conference of Laser-Tissue Interaction XIII; and Chair, "Photochemical and thermal injury effects that induce immune responses to cancer" sessions, Photonics West; January 2002, San Jose, CA
- Chair* Saratov International Workshop on Biophotonics – SIWB-02, June 19 - 21, 2002, Saratov, Russia

- Member* Program Committee of SPIE International Conference of Optics in Health Care and Biomedical Optics: Diagnostics and Treatment, Photonics Asia; October 14-18, 2002, Shanghai, China
- Member* Program Committee of SPIE International Conference of Laser-Tissue Interaction XIV; and Chair, “PDT and Photothermal Effects on Immunologic Responses” session, Photonics West; January 2003, San Jose, CA
- Member* International Advisory Committee and Program Committee of International Conference Photonics Pacific Rim - Photonics and Imaging in Biology and Medicine (PIBM2003), June 8-12, 2003, Wuhan, China
- Member* Program Committee of International Conference of Advanced Laser Technologies (ALT’03), September 19-23, 2003, Bedfordshire, United Kingdom
- Member* International Program Committee, Saratov Fall Meeting 2003: Optical Technologies in Biophysics and Medicine V, October 7-10, 2003, Saratov, Russia
- Moderator* Engineering Sciences Section, Oklahoma Academy of Science 92nd Technical Meeting, November 7, 2003, Chickasha, Oklahoma
- Member* Program Committee of SPIE International Conference of Laser Interaction with Tissue and Cells XV;
and Chair, “Photodynamic Therapy I” and “Photodynamic Therapy II” sessions, Photonics West; January 24-29, 2004, San Jose, CA
- Member* International Program Committee of Saratov Fall Meeting - SFM’04, Workshop on Optical Technologies in Biophysics & Medicine VI, September 21 - 24, 2004, Saratov, Russia
- Member* Program Committee of SPIE International Conference of Optics in Health Care and Biomedical Optics: Diagnostics and Treatment II (PA104), Photonics Asia;
and Chair, “Brain, Cancer, Molecular Beacons” and “Microscopy and Photonics Technology in Genomics and Proteomics of Cell I” sessions,
November 8-12 November 2004, Beijing, China
- Member* Organizing / Technical Program Committee of Second Asian and Pacific Rim Symposium on Biophotonics (APBP), December 15-17, 2004, Taipei, Taiwan
- Member* Program Committee of SPIE International Conference of Laser Interaction with Tissue and Cells XVI;
and Chair of Sessions “PDT I” and “PDT II”,
Photonics West; January 22-27, 2005, San Jose, CA
- Member* Scientific Organizing Committee of The 4th Photonics and Imaging in Biology and Medicine - PIBM05,
and Chair, “Laser Interaction with Matter and Biological Materials” Session,
September 3 - 6, 2005, Tianjin, China
- Member* International Program Committee of Saratov Fall Meeting - SFM’05, Workshop on Optical Technologies in Biophysics & Medicine VII, September 27 - 30, 2005, Saratov, Russia
- Moderator* Engineering Sciences Section, Oklahoma Academy of Science 94th Technical Meeting, November 5, 2005, Oklahoma City, Oklahoma
- Chair* SPIE International Conference of Biophotonics and Immune Responses;
and Chair of Session “Photo-immune interactions”, Photonics West; January, 2006, San Jose, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics III, Photonics West; January, 2006, San Jose, CA
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2006 (Biomedical Optics), January, 2006, San Jose, CA

- Member* Program Committee of The 5th International Conference on Photonics and Imaging in Biology and Medicine (PIBM 2006);
and Chair of Plenary Session V; September 1-3, 2006, Wuhan, China.
- Member* International Program Committee of Saratov Fall Meeting - SFM'06, Workshop on Optical Technologies in Biophysics & Medicine VIII, September 26 - 29, 2006, Saratov, Russia
- Panelist* Special Session "Laser in Surgery", American College of Surgeons 92nd Annual Clinical Congress, October 10, 2006, Chicago, IL
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2007 (Biomedical Optics), January, 2007, San Jose, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses II;
and Chair of Session "Photo-immune interactions",
Photonics West; January, 2007, San Jose, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics IV,
and Chair of Session "Dynamics of Laser Induced Nanoparticle Photothermolysis", Photonics West; January, 2007, San Jose, CA
- Member* Program Committee of SPIE International Conference of Optical Interactions with Tissue and Cells XVIII; Photonics West; January, 2007, San Jose, CA
- Member* Scientific Committee, 11th World Congress on International Photodynamic Association; March 28-31, 2007, Shanghai, China
- Member* International Program Committee of Saratov Fall Meeting - SFM'07, Workshop on Optical Technologies in Biophysics & Medicine IX, September 25 - 28, 2007, Saratov, Russia
- Member* International Advisory Committee and Program Committee of International Conference Photonics Pacific Rim - Photonics and Imaging in Biology and Medicine (PIBM2007),
and Chair, Plenary Session II
November 4-6, 2007, Wuhan, China
- Member* Program Committee of SPIE International Conference of Optics in Health Care and Biomedical Optics
and Chair, "Light-tissue interaction and modeling" Session.
Photonics Asia, November 11-15, 2007, Beijing, China
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2008 (Biomedical Optics), January 19-24, 2008, San Jose, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses III;
and Chair of Session "Monitoring Techniques",
Photonics West; January 21, 2008, San Jose, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics V,
Photonics West; January 19, 2008, San Jose, CA
- Member* International Program Committee of Saratov Fall Meeting - SFM'08, Workshop on Optical Technologies in Biophysics & Medicine X, September 23 - 26, 2008, Saratov, Russia
- Member* Program Committee of 7th International Conference on Photonics and Imaging in Biology and Medicine (PIBM2008), November 24-27, 2008, Wuhan, China
- Member* Program Committee, Session "Laser Biomedical Diagnostics", International Conference on Laser Applications in Life Sciences, December 4-6, 2008, Taipei, Taiwan
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2009 (Biomedical Optics), January 24-29, 2009, San Jose, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics VI,

- and Chair of Session “Cell and Tissue Spectroscopy and Imaging”
Photonics West; January 24, 2008, San Jose, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses IV;
and Chair of Session “Detections of Photoimmune Activities”,
Photonics West; January 26, 2009, San Jose, CA
- Organizer - Secretary/Treasurer* 7th Forum of Council of Chinese American Deans and Presidents
(CCADP), January 30 – February 1, 2009, San Francisco, CA
- Member* International Advisory Committee and Program Committee of Symposium on Photonics and
Optoelectronics (SOPO), August 23-25, 2009, Wuhan, China
- Member* Program Sub-Committee on “Laser Chemistry, Biophotonics and Applications” of The 8th
Pacific Rim Conference on Lasers and Electro-Optics (CLEO/PR 2009), August 30 –
September 3, 2009, Shanghai, China
- Member* International Program Committee of Saratov Fall Meeting - SFM'09, Workshop on Optical
Technologies in Biophysics & Medicine XI, September 21-24, 2009, Saratov, Russia
- Member* International Program Committee of Saratov Fall Meeting - SFM'09, Workshop on Internet
Biophotonics II, September 21-24, 2009, Saratov, Russia
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2010 (Biomedical
Optics), January 23-28, 2010, San Francisco, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and
Fluctuations in Biomedical Photonics VI, Photonics West; January 23-28, 2010, San
Francisco, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses V;
and Chair of Session “Photoimmunotherapy: Pre-clinical”,
Photonics West; January 23-28, 2010, San Francisco, CA
- Organizer - Secretary/Treasurer* 8th Forum of Council of Chinese American Deans and Presidents
(CCADP), January 29 - 31, 2010, San Francisco, CA
- Panelist and Invited Speaker* The Sino-American Presidents and Deans Forum – Quality Assurance
and Global Strategy in Higher Education, August 3, 2010, Shanghai, China
- Member* International Program Committee of Saratov Fall Meeting - SFM'10, Workshop on Optical
Technologies in Biophysics & Medicine XII, October 5-8, 2010, Saratov, Russia
- Member* International Program Committee of Saratov Fall Meeting - SFM'10, Workshop on Internet
Biophotonics III, October 5-8, 2010, Saratov, Russia
- Member* Program Committee of SPIE International Conference of Optics in Health Care and
Biomedical Optics IV, Photonics Asia, October 18-20, 2010, Beijing, China
- Member* Program Committee of 9th International Conference on Photonics and Imaging in Biology and
Medicine (PIBM2010), November 3-5, 2010, Wuhan, China
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2011 (Biomedical
Optics), 22-27 January 2011, San Francisco, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and
Fluctuations in Biomedical Photonics VII, Photonics West; 22-27 January 2011, San
Francisco, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses VI;
and Chair of Session “Photoimmunotherapy: Pre-clinical”, Photonics West; 22-27 January
2011, San Francisco, CA
- Member* International Program Committee of Saratov Fall Meeting - SFM'11, Workshop on Optical
Technologies in Biophysics & Medicine XIII, September 27-30, 2011, Saratov, Russia
- Member* International Program Committee of Saratov Fall Meeting - SFM'11, Workshop on Internet
Biophotonics IV, September 27-30, 2011, Saratov, Russia

- Member* Program Committee of 10th International Conference on Photonics and Imaging in Biology and Medicine (PIBM2011), November 2-5, 2011, Wuhan, China
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2012 (Biomedical Optics), 21-26 January 2012, San Francisco, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics VII, Photonics West; 21-26 January 2012, San Francisco, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses VII; and Chair of Session “Laser-Nanotechnology”, Photonics West; 21-26 January 2012, San Francisco, CA
- Member* Organizing Committee, Symposium “Cosmos, Cancer, Criticality and Chromoplasmology”, May 6, 2012, Seattle, WA
- Member* International Program Committee of Saratov Fall Meeting - SFM'12, Workshop on Optical Technologies in Biophysics & Medicine XIV, September 25-28, 2012, Saratov, Russia
- Member* International Program Committee of Saratov Fall Meeting - SFM'12, Workshop on Internet Biophotonics V, September 25-28, 2012, Saratov, Russia
- Member* Program Committee of SPIE International Conference of Optics in Health Care and Biomedical Optics V, Photonics Asia, November 4-7, 2012, Beijing, China
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2013 (Biomedical Optics), 2-7 February 2013, San Francisco, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics IX, Photonics West; 2-7 February 2013, San Francisco, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses VIII, Photonics West; 4 February 2013, San Francisco, CA
- Member* Program Committee of 11th International Conference on Photonics and Imaging in Biology and Medicine (PIBM2013), May 26-29, 2013, Wuhan, China
- Honorable Chair* The 3rd Shanghai International Forum on Photodynamic Medicine, June 1-2, 2013, Shanghai, China
- Lecturer* The 3rd Shanghai International Forum on Photodynamic Medicine, June 1, 2013, Shanghai, China
- Member* International Program Committee of Saratov Fall Meeting - SFM'13, Workshop on Optical Technologies in Biophysics & Medicine XV, September 25-28, 2013, Saratov, Russia
- Member* International Program Committee of Saratov Fall Meeting - SFM'13, Workshop on Internet Biophotonics VI, September 25-28, 2013, Saratov, Russia
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2014 (Biomedical Optics), 1-6 February 2014, San Francisco, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics X, Photonics West; 1-6 February 2014, San Francisco, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses IX; Photonics West; 1-6 February 2014, San Francisco, CA
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2015 (Biomedical Optics), 21-26 January 2015, San Francisco, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics XI, Photonics West; 21-26 January 2015, San Francisco, CA

- Chair* SPIE International Conference of Biophotonics and Immune Responses X; Photonics West; 21-26 January 2015, San Francisco, CA
- Member* International Program Committee of Saratov Fall Meeting - SFM'15, Optical Technologies in Biophysics & Medicine XVII, September 22-25, 2015, Saratov, Russia
- Member* International Program Committee of Saratov Fall Meeting - SFM'15, Internet Biophotonics VIII, September 22-25, 2015, Saratov, Russia
- Member* Program Committee of Track 5, Biophotonics and Optical Sensors, Asia Communication and Photonics Conference 2015 (ACP 2015), November 19-23, 2015, Hong Kong
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2016 (Biomedical Optics), 13-18 February 2016, San Francisco, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics XII, Photonics West; 13-18 February 2016, San Francisco, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses XI; Photonics West; 13-18 February 2016, San Francisco, CA
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2017 (Biomedical Optics), 28 January – February 2, 2017, San Francisco, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics XIII, Photonics West; 28 January – February 2, 2017, San Francisco, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses XII; Photonics West; 28 January – February 2, 2017, San Francisco, CA
- Member* Program Committee of the 14th International Conference on Photonics and Imaging in Biology and Medicine (PIBM2018), September 26-28, 2017, Soochow (Suzhou), China
- Member* Program Committee of Emerging Nanotechnology & Drug Delivery Applications for Cancer (END2CANCER), December 14-15, 2017, Oklahoma City, USA
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2018 (Biomedical Optics), 27 January – February 1, 2018, San Francisco, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics XIV, Photonics West; 27 January – February 1, 2018, San Francisco, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses XIII; Photonics West; 27 January – February 1, 2018, San Francisco, CA
- Member* Organizing Committee of the 2nd Global Summit & Expo on Laser Optics and Photonics (Optics-2018), June 14-16, 2018, Rome, Italy
- Member* Program Committee of SPIE International Conference of Optics in Health Care and Biomedical Optics VIII, Photonics Asia, October 11-13, 2018, Beijing, China
- Member* Program Committee of Emerging Nanotechnology & Drug Delivery Applications for Cancer (END2CANCER) II, December 5-7, 2018, Oklahoma City, USA
- Member* Executive Organizing Committee of SPIE International Symposium BiOS 2019 (Biomedical Optics), February 2-7, 2019, San Francisco, CA
- Member* Program Committee of SPIE International Conference of Complex Dynamics and Fluctuations in Biomedical Photonics XV, Photonics West; February 4, 2019, San Francisco, CA
- Chair* SPIE International Conference of Biophotonics and Immune Responses XIV; Photonics West; February 4, 2019, San Francisco, CA

Journal Editing:

<i>Chair/Editor</i>	SPIE Proceedings Volume 6087 “Biophotonics and Immune Responses”, 2006
<i>Chair/Editor</i>	SPIE Proceedings Volume 6438 “Biophotonics and Immune Responses II”, 2007
<i>Chair/Editor</i>	SPIE Proceedings Volume 6857 “Biophotonics and Immune Responses III”, 2008
<i>Chair/Editor</i>	SPIE Proceedings Volume 7178 “Biophotonics and Immune Responses IV”, 2009
<i>Chair/Editor</i>	SPIE Proceedings Volume 7565 “Biophotonics and Immune Responses V”, 2010
<i>Chair/Editor</i>	SPIE Proceedings Volume 7900 “Biophotonics and Immune Responses VI”, 2011
<i>Chair/Editor</i>	SPIE Proceedings Volume 8224 “Biophotonics and Immune Responses VII”, 2012
<i>Chair/Editor</i>	SPIE Proceedings Volume 8582 “Biophotonics and Immune Responses VIII”, 2013
<i>Chair/Editor</i>	SPIE Proceedings Volume 8944 “Biophotonics and Immune Responses IX”, 2014
<i>Chair/Editor</i>	SPIE Proceedings Volume 9324 “Biophotonics and Immune Responses X”, 2015
<i>Chair/Editor</i>	SPIE Proceedings Volume 9709 “Biophotonics and Immune Responses XI”, 2016
<i>Chair/Editor</i>	SPIE Proceedings Volume 10056 “Biophotonics and Immune Responses XII”, 2017
<i>Chair/Editor</i>	SPIE Proceedings Volume 10495 “Biophotonics and Immune Responses XIII”, 2018
<i>Chair/Editor</i>	SPIE Proceedings Volume 10495 “Biophotonics and Immune Responses XIV”, 2019
<i>Associate Editor</i>	<i>Journal of X-Ray Science and Technology</i> , 2004 – 2010
<i>Editor-in-Chief</i>	<i>Journal of X-Ray Science and Technology</i> , 2011 – 2015
<i>Member</i>	Editorial Board of <i>Journal on Biomedical Photonics</i> , 2007 – present
<i>Member</i>	Editorial Board of <i>Journal of Innovative Optical Health Sciences (JIOHS)</i> , 2007 – present
<i>Guest Editor</i>	Special Issue “Biophotonics”, 2002, <i>Journal of X-Ray Science and Technology</i>
<i>Ad Hoc Associate Editor</i>	<i>Journal of Medical Physics</i> , 2007 (MS #07-870)

HONORS AND AWARDS:

International Awards

Fellow of SPIE- The International Society for Optics and Photonics (SPIE)	elected 2007
SPIE Educator Award - The International Society for Optics and Photonics (SPIE)	2012

National Awards

National Institute of Health Summer Fellowship, Dept. of Physics, University of Oklahoma	1991
National Institute of Health Summer Fellowship, University of Oklahoma Health Center	1993
Associated Western University Inc. Faculty Summer Research Fellowship, U. S. Department of Energy, Pittsburgh Energy Technology Center	1995
National Tandy Technology Prize for Science, Mathematics and Computer Science Teaching	1998
US Professor of the Year (Outstanding Master’s Universities and Colleges Professor of the Year)	2008
2011-2012 US Fulbright Lecturing / Research Award for Taiwan (September 1, 2011 to June 30, 2012)	

State Awards

Oklahoma DaVinci Fellows Award, Oklahoma	2006
Recognized for “High Level Teaching and Quality of Education” by Oklahoma State Senate Resolution No. 47 (52-1-1924), Sponsored by Senator Clark Jolley	May 2009
Winner of Medal for Excellence in Teaching, Oklahoma Foundation for Excellence (the highest teaching award in Oklahoma)	May 2011

University Awards

Research Scholarship, Physics Department, University of Oregon	1983-1988
Faculty Merit-Credit Award (Research/Creative Activity Awards), Univ. of Central Oklahoma	2000

Faculty Research Grants/Publication Award, University of Central Oklahoma	2000
Faculty Research Grants/Publication Award, University of Central Oklahoma	Spring, 2001
Faculty Research Grants/Publication Award, University of Central Oklahoma	Fall, 2001
Faculty Merit-Credit Award (Teaching Activity Awards), University of Central Oklahoma	2001
Hauptman Fellowship Award, University of Central Oklahoma	2001
Sigma Xi Outstanding Research Award, UCO Chapter	2002
Faculty Research Grants/Publication Award, University of Central Oklahoma	Spring, 2002
Faculty Merit-Credit Award (Research/Creative Activity Awards), Univ. of Central Oklahoma	2002
Faculty Research Grants/Publication Award, University of Central Oklahoma	Fall, 2002
Distinguished Scholar Award of The University of Central Oklahoma Chapter of the American Association of University Professors	2003
Faculty Merit-Credit Award (Teaching Activity Awards), University of Central Oklahoma	Fall, 2003
Faculty Research Grants/Publication Award, University of Central Oklahoma	Fall, 2003
Gold Faculty Merit-Credit Award (Research/Creative Activity Awards), Univ. of Central Okla.	2004
Faculty Merit-Credit Award (Service Activity Awards), Univ. of Central Okla.	2005
Faculty Merit-Credit Award (Research/Creative Activity Awards), Univ. of Central Okla.	2006
Faculty Research Grants/Publication Award, University of Central Oklahoma,	Spring 2007
Vanderford Faculty Award in Support of Undergraduate Research, Creative and Scholarly Activities University of Central Oklahoma,	August 2007
Faculty Merit-Credit Award (Research/Creative Activity Awards), Univ. of Central Okla.	2008
Neely Excellence in Teaching Award, Univ. of Central Okla.	2009
Faculty Merit-Credit Award (Research/Creative Activity Awards), Univ. of Central Okla.	2010
Faculty Merit-Credit Award (Research/Creative Activity Awards), Univ. of Central Okla.	2012
Faculty Merit-Credit Award (Research/Creative Activity Awards), Univ. of Central Okla.	2014
Inducted to the Inaugural Class of Luminary Society, Univ. of Central Okla.	2015

PATENTS ISSUED:

1. Robert E. Nordquist, **Wei R. Chen**, Raoul Carubelli, and Robert L. Adams, “Chitosan-Derived Biomaterials”, United State Patent: 5,747,475 (Issued May 5 1998).
2. Robert E. Nordquist and **Wei R. Chen**, “Laser light delivery method”, United State Patent: 6,099,554 (Issued August 8, 2000).
3. Robert E. Nordquist, Robert L. Adams, **Wei R. Chen**, and Raoul Carubelli, “Cancer Treatment by Photodynamic Therapy, in Combination with an Immunoadjuvant”, Australia Patent: 721276 (Issued October 12, 2000).
4. Robert E. Nordquist, **Wei R. Chen**, and Raoul Carubelli, “Laser/Sensitizer Assisted Immunotherapy”, United State Patent: 6,149,671 (Issued November 21, 2000).
5. Robert E. Nordquist, **Wei R. Chen**, and Raoul Carubelli, “Products in the Treatment of Cancer”, European Patent: 98920235.3-2116 (Issued March 5, 2001).
6. Robert E. Nordquist, **Wei R. Chen**, and Raoul Carubelli, “Laser/Sensitizer Assisted Immunotherapy”, United State Patent: 6,290,712 (Issued September 18, 2001).
7. Robert E. Nordquist, **Wei R. Chen**, and Raoul Carubelli, “Combined physical and immunotherapy for cancer”, United States Patent: 6,316,007 (Issued November 13, 2001).
8. Robert E. Nordquist, **Wei R. Chen**, Raoul Carubelli, and Robert L. Adams, “Cancer Treatment by Photodynamic Therapy, in Combination with an Immunoadjuvant”, Chinese Patent: ZL 961 94438.2 (Issued September 4, 2002).

9. Robert E. Nordquist, **Wei R. Chen**, Raoul Carubelli, and Robert L. Adams, “Cancer Treatment by Photodynamic Therapy in Combination with an Immunoadjuvant”, Japanese Patent: 3929491 (Issued March 23, 2003).
10. Fu-Jen Kao, **Wei R. Chen**, and Shin-Shian Lee, “Light Disinfection Device”, United States Patent: 8,614,426 (Issued December 24, 2013).
11. **Wei R. Chen**, “Immunologically Modified Carbon Nanotubes for Cancer Treatment”, United States Patent: 8,664,198 (Issued March 4, 2014).
12. **Wei R. Chen**, “Immunologically Modified Carbon Nanotubes for Cancer Treatment”, United States Patent: 9,107,944 (Issued August 18, 2015).
13. **Wei R. Chen**, Feifan Zhou, Zhifang Li, and Hui Li, "Device and a method for imaging-guided photothermal laser therapy for cancer treatment", United States Patent: 9,987,089 (Issued June 5, 2018).

AWARDED RESEARCH GRANTS:

1. **Principal Investigator**; “Photodynamic Immunotherapy for Metastatic Mammary Tumors”, \$173,600, May 1, 1996 to April 31, 1997, Xytronyx, Inc., San Diego, California.
2. **Principal Investigator**; “Photodynamic Immunotherapy: GLP Efficacy Studies, Treatment of Prostate Cancer and Immunology Studies”, \$72,050, July 1 1997 to Dec. 31, 1997, Pacific Pharmaceuticals, Inc., San Diego, California.
3. **Principal Investigator**; “Photodynamic Immunotherapy: Treatment of Prostate Cancer, and Immunology Studies II”, \$39,270, April 1, 1998 to July 31, 1998, Pacific Pharmaceuticals, Inc., San Diego, California.
4. **Principal Investigator**; “Laser-Immunotherapy Treatment of Breast Cancer Using Different Immunoadjuvants”, \$9,560, July 2000 to June 2001, University of Central Oklahoma.
5. **Principal Investigator**; “Role of Immunoadjuvants in Photo Dynamic Immuno Therapy”, \$79,168, September 1 2000 to August 31, 2001, Oklahoma Center for the Advancement of Science and Technology (OCAST), \$39,175 OCAST + \$39,993 Industry Matching. (No. AR002-011P)
6. **Principal Investigator**; “Optimization and mechanistic studies of PDIT”, \$583,247, February 1 2001 to January 31, 2004, Oklahoma Center for the Advancement of Science and Technology (OCAST), \$290,315 OCAST + \$292,932 Industry Matching. (No. AP01.1-016)
7. **Principal Investigator**; “Selective laser-photothermal interaction: Monte Carlo simulation and experimental determination of temperature distribution”, \$5,830, July 2001 to June 2002, University of Central Oklahoma.
8. **Principal Investigator**; “Selective Photothermal Tissue Interaction using 805-nm Laser and Indocyanine Green in Tissue Welding”, \$6,095, July 2002 to June 2003, University of Central Oklahoma.
9. **Principal Investigator**; “Immunological and photophysical interactions for cancers”, \$250,958, 07/01/04 to 04/30/06, Institutional Development Award (IDeA) Networks of Biomedical Research Excellence (INBRE), National Center for Research Resources, National Institute of Health. (No.: P20RR016478-04).
10. **Principal Investigator**; “Evaluation of magnetic forces on superparamagnetic Fe₃O₄ nanoparticles”, \$4,900, 05/01/06 to 06/01/06, Office of Naval Research (N00014-05-1-0385), subcontract.
11. **Principal Investigator**; “MRI-Guided Photoimmunotherapy”, \$261,412, 12/01/06 to 04/30/09, IDeA Networks of Biomedical Research Excellence (INBRE) Grant, National Center for Research Resources, National Institute of Health (NIH). (No.: P20RR016478-06).

12. **Principal Investigator;** “MRI-Guided Photoimmunotherapy”, \$64,040, 05/01/2009 to 04/30/2010, IDeA Networks of Biomedical Research Excellence (INBRE) Grant, National Center for Research Resources, National Institute of Health (NIH). (No.: P20RR016478-09)
13. **Principal Investigator;** “STEM Double Bridge: Connecting High Schools, Community Colleges, and Universities for Tomorrow’s Leaders in Science, Technology, Engineering and Mathematics”, \$1,998,750, 06/01/2009 to 05/31/2014, Science, Technology, Engineering, and Mathematics (STEM) Talent Expansion Program (STEP), National Science Foundation (NSF), (DUE-0856396).
14. **Principal Investigator;** “Support for High School Teachers in Summer Bridge Program”, \$50,000, 06/01/2009 to 05/31/2014, Oklahoma EPSCoR.
15. **Principal Investigator;** “Therapeutic Evaluation of Magnetic Nanoprobes Specific for Malignant Tumor Markers”, \$29,700, 05/01/2010 to 04/30/2011, NIH R21, (2 R21 CA136642-01A1), subcontract.
16. **Principal Investigator;** “Pre-Clinical Investigation of Nitron Anti-Glioma Agent”, \$25,000, 08/01/2009 to 07/31/2010, OCAST OARS (Project No. AR091-053), subcontract.
17. **Principal Investigator;** “Enhancing Laser Immunotherapy for Treatment of Metastatic Tumors by Reducing TGF- β Levels in Tumor Microenvironment”, \$63,231, 04/01/2010 to 03/31/2011, IDeA Networks of Biomedical Research Excellence (INBRE) Grant, National Center for Research Resources, National Institute of Health (NIH). (No.: P20RR016478-10).
18. **Principal Investigator;** “Release Time for Curriculum Development or Grant Proposal Development”, \$26,142, 01/2010 to 05/2010, The Oklahoma State Regents for Higher Education.
19. **Principal Investigator;** “Interstitial laser immunotherapy for treatment of deep tumors”, \$21,044, 08/10/2010 to 01/31/2011, ImmunoPhotonics, Inc., Columbia, MO.
20. **Principal Investigator;** Equipment grant application, \$15,000, 05/2010 to 10/2010, Institutional Development Award (IDeA) Networks of Biomedical Research Excellence (INBRE).
21. **Principal Investigator;** “Laser-Nanotechnology for Cancer Treatment”, \$7,000, 08/01/2011 to 01/31/2012, ImmunoPhotonics, Inc., Columbia, MO.
22. **Principal Investigator;** “A Novel Multifunctional Bionanoprobe-Based Phototherapy for Metastatic Cancers”, \$349,596 (\$275,000 direct), 08/01/2013 to 07/31/2015, NIH National Institute of Biomedical Imaging and Bioengineering (NIBIB). (No. 1 R21 EB 015509-01-A1).
23. **Principal Investigator;** “Fulbright Visiting Scholar Program for Iraq”, \$117,000, (\$105,560 direct) 06/01/2014 to 09/31/2014, Council for International Exchange of Scholars, Institute of International Education.
24. **Principal Investigator;** “Antitumor Effect of Hemp Oil”, \$10,000 (\$8,000 direct), 08/01/2014 to 07/31/2016, Earth Science Tech, Inc., Boca Raton, FL.
25. **Principal Investigator;** “Cellular immunological responses induced by glycated chitosan”, \$25,000, 01/01/2015 to 12/31/2016, ImmunoPhotonics, Inc., St. Louis, MO.
26. **Principal Investigator;** “Fulbright Visiting Scholar Program for Iraq”, \$72,500, 06/01/2015 to 09/31/2015, Council for International Exchange of Scholars, Institute of International Education.
27. **Principal Investigator;** Equipment grant application, \$25,000, 05/2015 to 04/2016, Institutional Development Award (IDeA) Networks of Biomedical Research Excellence (INBRE).
28. **Principal Investigator;** “Effects of interstitial inCVAX for the treatment of metastatic tumors in rats”, \$71,000 (\$56,800 direct), 09/01/2015 to 12/31/2016, Confluence, Inc., St. Louis, MO.
29. **Principal Investigator;** Summer Mentoring and Research Training (SMaRT) Program, \$9,452 (\$9,452 direct), 05/2016 to 07/2016, Institutional Development Award (IDeA) Networks of Biomedical Research Excellence (INBRE).
30. **Principal Investigator;** “Fulbright Visiting Scholar Program for Iraq”, \$58,000 (\$50,209 direct) 06/01/2016 to 09/31/2016, Council for International Exchange of Scholars, Institute of International Education.

31. **Principal Investigator;** “Effect of TGF- β reduction on laser immunotherapy for treating metastatic cancers”, \$67,117 (50,000 direct), 07/19/2016 to 04/30/2017, IDeA Networks of Biomedical Research Excellence (INBRE) Grant, National Center for Research Resources, National Institute of Health (NIH). (No.: RS20132225-106).
32. **Principal Investigator;** “Combination treatment with laser immunotherapy and checkpoints for advanced melanoma”, \$80,000 (\$72,727 direct), 07/01/2016 to 06/30/2017, Immunophotonics, Inc., St. Louis, MO.
33. **Principal Investigator;** “Phototherapy for metastatic breast cancer using immunologically modified carbon nanotubes”, \$135,000 (\$135,000 direct), 09/01/2016 to 08/30/2019, OCAST (Project No. HR16-085).
34. **Principal Investigator;** “Combination treatment with laser immunotherapy and checkpoints for advanced melanoma”, \$7,268 (\$6,541 direct), 03/01/2017 to 06/30/2018, Immunophotonics, Inc., St. Louis, MO.
35. **Principal Investigator;** “Fulbright Visiting Scholar Program for Iraq”, \$101,500 (\$87,651 direct) 06/01/2017 to 09/31/2017, Council for International Exchange of Scholars, Institute of International Education.
36. **Principal Investigator;** “Enhancing laser immunotherapy by reduction of TGF- β for metastatic cancers”, \$66,960 (50,000 direct), 05/01/2017 to 04/30/2018, IDeA Networks of Biomedical Research Excellence (INBRE) Grant, National Center for Research Resources, National Institute of Health (NIH). (No.: RS20132225-106).
37. **Principal Investigator;** Summer Mentoring and Research Training (SMaRT) Program, \$5,956 (\$5,956 direct), 05/2017 to 07/2017, Institutional Development Award (IDeA) Networks of Biomedical Research Excellence (INBRE).
38. **Principal Investigator;** “Mechanistic study on synergistic photo-immunological effects of laser immunotherapy for metastatic cancers”, \$1,374,355 (\$1,143,750 direct), 08/04/2017 to 07/31/2022, NIH National Cancer Institute (NCI). (No. 1R01CA205348-01A1).
39. **Principal Investigator;** “Fulbright Visiting Scholar Program for Iraq”, \$107,061 (\$93,873 direct) 04/01/2018 to 11/30/2018, Council for International Exchange of Scholars, Institute of International Education.
40. **Principal Investigator;** Summer Mentoring and Research Training (SMaRT) Program, \$5,956 (\$5,992 direct), 05/2018 to 08/2018, Institutional Development Award (IDeA) Networks of Biomedical Research Excellence (INBRE).
41. **Principal Investigator;** Equipment grant, \$44,703, 05/2017 to 04/2018, Institutional Development Award (IDeA) Networks of Biomedical Research Excellence (INBRE), (Subaward No: RS20132225-145).
42. **Principal Investigator;** “Ignite the Future for Central”, \$150,000, 06/2017 to 09/2018, Inasmuch Foundation, Oklahoma City, OK.
43. **Principal Investigator;** “Ignite the Future for Central”, \$150,000, 06/2017 to 09/2018, Private Donation – Dr. and Mrs. Lee and Sherry Beasley, Oklahoma City, OK.
44. **Principal Investigator;** “Ignite the Future for Central”, \$50,000, 06/2017 to 09/2018, Private Donation – Peggy Kates, Oklahoma City, OK.

EDUCATION PROGRAMS PROPOSED AND DEVELOPED:

1. Biomedical Engineering undergraduate degree program (University of Central Oklahoma)
Developed: 1999 to 2000
Proposed: fall, 2000
Approved: December 2000, by Oklahoma State Regents for Higher Education

COURSES PROPOSED:

1. Principle of Biomedical Engineering I (University of Central Oklahoma), Fall, 2000
2. Principle of Biomedical Engineering II (University of Central Oklahoma), Fall, 2000

COURSES DEVELOPED:

1. Medical Physics (University of Central Oklahoma), 1996 and 1997 (revised and developed)
2. Medical Physics Lab (University of Central Oklahoma), 1996 and 1997 (revised and developed)
3. Modern Physics Lab (University of Central Oklahoma), Fall 1999 and 2000
4. Principle of Biomedical Engineering I (University of Central Oklahoma), Fall, 2002
5. Principle of Biomedical Engineering II (University of Central Oklahoma), Spring, 2003

COURSES TAUGHT:

1. Physical Science
2. General Physics
3. Engineering Physics
4. General Physics I
5. Mechanics (calculus based)
6. Electricity and Magnetism (calculus based)
7. Modern Physics
8. Modern Physics Lab
9. Introduction to Modern Physics
10. Modern Physics II
11. Mathematics (Algebra for college freshmen)
12. Medical Physics
13. Medical Physics Lab
14. Semiconductor (Graduate Course)
15. Mathematical Physics I
16. Quantum Mechanics
17. Principles of Biomedical Engineering I
18. Principles of Biomedical Engineering II
19. Biomedical Imaging
20. Classical Mechanics
21. Electromagnetic Fields II