

SUE ANNE CHEW

Department of Health and Biomedical Sciences
University of Texas Rio Grande Valley
One West University Blvd, BRHP 2.112
Brownsville, TX 78520
Office: (956) 882-6518
SueAnne.Chew@utrgv.edu

EDUCATION

B.S. in Chemical Engineering, University of Texas at Austin, Austin, TX **2004**

With a technical focus area in biomedical engineering

Ph.D. in Bioengineering, Rice University, Houston, TX **2010**

Dissertation: "Biodegradable branched polycationic polymers as non-viral gene delivery vectors for bone tissue engineering"

POSITIONS AND EMPLOYMENT

Undergraduate Research Assistant **2003-2004**

Department of Chemical Engineering and Department of Biomedical Engineering, University of Texas at Austin, Austin, TX

PI/Mentor: Dr. Lisa Brannon-Peppas

- Investigated the application of silver PLGA nanoparticles as contrast agents for medical imaging
- Involved in the development of the "Biomedical Engineering Undergraduate Laboratory (BME 221)" Lab Handbook

Research Assistant/Teaching Assistant (Ph.D. Candidate) **2005-2010**

Department of Bioengineering, Rice University, Houston, TX

PI/Mentor: Dr. Antonios G. Mikos

- Developed biodegradable branched polycationic polymers to enhance bone formation in a critical-size rat cranial defect
- Lead tutorial sessions, developed and graded course assignments

Summer Research Intern **2008-2008**

Surface Science Group, Bausch & Lomb, Rochester, NY

Supervisor/Mentor: Dr. Daniel Ammon and Dr. Xinfeng Shi

- Evaluated the release of polymers found in lens solutions from the surface of contact lenses

Research Assistant **2010-2010**

Department of Bioengineering, Rice University, Houston, TX

PI/Mentor: Dr. Antonios G. Mikos

- Developed and characterized biodegradable polymeric microparticles loaded with anti-inflammatory siRNA for intra-articular delivery to the temporomandibular joint

Postdoctoral Associate **2010-2012**

Department of Medicine, Baylor College of Medicine, Houston, TX

PI/Mentor: Dr. Nicholas Mitsiades

- Investigated the regulation of steroid receptor coactivators by the G-protein/PKC/PKD pathway in uveal melanoma
- Evaluated the potential of small molecule phospho kinase C inhibitors for the treatment of prostate cancer

Faculty Associate

2013-2013

Department of Biomedicine, University of Texas at Brownsville, Brownsville, TX

- Developed biomaterials for the study and treatment of cancer and for tissue engineering

Research Assistant Professor

2013-2014

Department of Biomedicine, University of Texas at Brownsville, Brownsville, TX

- Developed biomaterials for the study and treatment of cancer and for tissue engineering

Program Director, Health Disparities Scholars Program (HDSP)

2013-2015

Department of Biomedicine, University of Texas at Brownsville, Brownsville, TX

- Mentored and advised HDSP scholars
- Developed and delivered workshops to prepare scholars for PhD programs and a career in biomedical research
- Provided guidance to scholars in preparing their applications to PhD graduate programs and summer research programs including guidance in selecting programs and in preparing their CV, personal statement and/or essays
- Provided guidance to scholars in their application and preparation for research conferences/presentations including guidance in preparing abstracts and poster/oral presentations

Lecturer

2014-2015

Department of Biomedicine, University of Texas at Brownsville, Brownsville, TX

- Developed and delivered B.S. in Biomedical Sciences courses
- Developed biomaterials for the study and treatment of cancer and for tissue engineering (continued research work)

Program Director and Instructor, Biomedical Freshman Research Initiative (BFRI)

2013-Present

Department of Health and Biomedical Sciences, University of Texas Rio Grande Valley, Brownsville, TX

- Involve in establishing, developing and directing BFRI in UTB (established in Fall 2013)
- Teach BFRI courses (inquiry-based learning, research and scientific methodology, experimental and research techniques)
- Oversea and coordinate BFRI research streams (parallel individual research projects)

Assistant Professor

2015-Present

Department of Health and Biomedical Science, University of Texas Rio Grande Valley, Brownsville, TX

- Develop and deliver B.S. in Biomedical Sciences courses
- Develop biomaterials for the study and treatment of cancer and for tissue engineering

TEACHING EXPERIENCE

Rice University (as teaching assistant)

- Biosystems Transport (Undergraduate Core Course, BIOE 420)
- Design & Analysis of Experiments (Graduate Core Course, BIOE 541) – offered for the first time in the department, was involved in the development of the course

- Thermodynamics (Undergraduate Core Course, BIOE 332)

University of Texas at Brownsville/University of Texas Rio Grande Valley (as main instructor)

- Introductory Medical Biochemistry (BMED 1101)
- Introductory Cell Biology (BMED 1103)
- Introductory Molecular Biology (BMED 1104)
- Advance Cell Biology (BMED 4250)
- Independent Research I, II, III, IV (BMED 3121, 3122, 3223, 3224)
- Biomedical Freshman Research Initiative (BFRI) Research Methods (BMED 3121-BFRI)
- Biomedical Freshman Research Initiative (BFRI) Research Techniques (BMED 3122-BFRI) – includes a service-learning component
- Biomedical Freshman Research Initiative (BFRI) Research Experience I (BMED 3223-BFRI)
- Biomedical Freshman Research Initiative (BFRI) Research Experience II (BMED 3224-BFRI)

PROFESSIONAL SERVICE

- Ad-hoc Reviewer, Biotechnology Progress, 2010
- Committee Member, Department of Biomedicine Curriculum Committee, University of Texas at Brownsville, 2013-Present
- Judge, 54th Annual Science and Engineering Fair, 2014
- Guest Editor, Journal of Functional Biomaterials, Special Issue: “Biomaterials Approaches for Cancer Research”, 2014-Current
- Thesis Committee Member, Guillermo Eduardo Perez, M.S. in Exercise Science, University of Texas at Brownsville, 2014
- Thesis Committee Member, Omar Apodaca, M.S. in Exercise Science, University of Texas at Brownsville, 2014
- Panelist, “Undergraduate Research: Lessons Learned Outside UT” Panel, 2nd Annual FRI Conference, Austin, TX, 2014
- Thesis Committee Member, Joe-Angel Lopez, M.S. in Exercise Science, University of Texas at Brownsville, 2014
- Advisory Committee Member (Non-voting member), Mission of the Minority Biomedical Research Support, Research Initiative for Scientific Enhancement (MBRS-RISE), University of Texas at Brownsville, 2014
- Thesis Committee Member, Kristopher Manuel Nava, M.S. in Exercise Science, University of Texas at Brownsville, 2014
- Committee Member, Department of Biomedicine Scholarship Committee, University of Texas at Brownsville, 2014-Present
- Search Committee Member, MBRS-RISE Special Projects Coordinator, University of Texas at Brownsville, 2014
- Speaker, “Tissue engineering and regeneration”, Institute of Electrical and Electronics Engineers (IEEE) UTB Student Chapter, University of Texas at Brownsville, Brownsville, TX, 2014
- Speaker, “Importance of research for medical students”, A-PRIME Transformation of Medical Education (TIME) Boot Camp 2014, University of Texas at Brownsville, 2014
- Speaker, FRI presentation and “Cooking with Science” demonstration, Department of Biomedicine Open House (Recruitment Event), University of Texas at Brownsville, 2014
- Development Team Member, Competency-Based Education Bachelor of Science in Biomedical Sciences Degree Program, University of Texas Rio Grande Valley, 2014-Present
- Speaker, Career Exploration Day, Sharp Elementary School, Brownsville, TX, 2014
- Advisor, Biomedical Sciences Association (BSA), University of Texas at Brownsville, 2015-Present

- Coordinator, Translational Research Seminar Series (TRSS), University of Texas at Brownsville, 2015-Present
- Speaker, “Tissue Engineering: Regenerating Tissue in Humans”, Monday Night Science Café, Department of Physics and Astronomy, University of Texas at Brownsville, Brownsville, TX, 2015
- Judge, Annual Biomedical Research Conference for Minority Students (ABCRMS), Seattle, WA, 2015
- Judge, 8th Annual Science Fair, Harmony Science Academy Brownsville, 2015
- External Steering Committee, FRI Conference 2016, University of Texas at Austin, 2015-2016
- Library Liaison, Department of Health and Biomedical Sciences, University of Texas Rio Grande Valley, 2015-Present
- Search Committee for Open Rank Faculty Positions, Department of Health and Biomedical Sciences, University of Texas Rio Grande Valley, Brownsville, TX, 2015-2016
- Ad-hoc Peer Reviewer, Journal of Biomedical Materials Research Part B, 2016
- Speaker, “Freshman Research Initiative” and Closing Remarks for Parents, BMED Pre-Admission Event (recruitment event), Department of Health and Biomedical Sciences, University of Texas Rio Grande Valley, Brownsville, TX, 2016
- Speaker, “The Importance of Research for Biomedical Science Students”, BMED Success Academy 2016, Department of Health and Biomedical Sciences, University of Texas Rio Grande Valley, Brownsville, TX, 2016
- Ad-hoc Peer Reviewer, International Journal of Oncology, 2016
- External Examiner, Mario Milazzo Ph.D. Thesis, Doctoral Program in BioRobotics, Sant’Anna School of Advanced Studies in Pisa, 2016
- Research Development Committee, Department of Health and Biomedical Sciences, University of Texas Rio Grande Valley, Brownsville, TX, 2016-Present
- Ad-hoc Peer Reviewer, Advanced Healthcare Materials, 2016

PROFESSIONAL MEMBERSHIP

- Tau Beta Pi Honors Society (TBP), 2002-2004
- The American Institute of Chemical Engineers (AIChE), 2008-2009
- The Endocrine Society, 2012-2013
- American Association of Cancer Research, 2015-Present

HONORS AND AWARDS

- Honors Day College Scholar Honoree, University of Texas at Austin, TX, 2002-2004
- Induction into Tau Beta Pi Engineering Honors Society, 2003
- 5th Marie Curie Cutting Edge InVENTS Conference Travel Grant, Portugal, 2008
- Faculty Development Funding Program Travel Grant, University of Texas Rio Grande Valley, Fall 2015
- Junior Faculty Travel Support Program Award, University of Texas Rio Grande Valley, Spring 2016
- American Association of Cancer Research (AACR) Minority-Serving Institution Faculty Scholar in Cancer Research Award, 2016
- College of Health Affairs Research Fellow, University of Texas Rio Grande Valley, 2016-2017

PROFESSIONAL DEVELOPMENT

- Advances in Tissue Engineering Short Course 2007, Houston, TX, August 2007
- 5th Marie Curie Cutting Edge InVENTS Conference on “Synthesis and applications of self-assembling materials at nano-scale”, Madeira, Portugal, April 2008
- 8th World Biomaterials Congress, Amsterdam, Netherlands, May 2008

- Advances in Tissue Engineering Short Course 2008, Houston, TX, August 2008
- American Institute of Chemical Engineers (AIChE) Annual Meeting, Philadelphia, PA, November 2008
- Houston Society for Engineering in Medicine and Biology (HSEMB) 26th Annual Meeting, Houston, TX, March 2009
- Advances in Tissue Engineering Short Course 2009, Houston, TX, August 2009
- Advances in Tissue Engineering Short Course 2010, Houston, TX, August 2010
- ENDO 2012: The 95th Annual Meeting & Expo, Houston, TX, June 2012
- “Flipping University Classroom” and “The Flipped Classroom: What’s Next?” by Jonathan Bergmann (Flipped Learning LLC), UTRGV, August 2013
- “Grant Writing” by Don T. Frazier, Ph.D. (Director, Outreach Center for Science and Career Opportunities, Professor Emeritus, Department of Physiology, College of Medicine, University of Kentucky), November 2013
- Annual Biomedical Research Conference for Minority Students (ABCRMS), Nashville, TN, November 2013
- “The Intentional Mentor: Effective Mentorship of Undergraduate Science Students” by Dr. Julio Ramirez (R. Stuart Dickson Professor of Psychology, Davidson College), January 2014
- “Minority Scientists: Where are they and why should we care?” by Dr. Thomas Landefeld (Professor of Biology and Pre-Health Advisor, California State University Dominguez Hills), March 2014
- 2nd Annual Freshman Research Initiative Conference, Austin, TX, March 2014
- Annual Biomedical Research Conference for Minority Students (ABCRMS), Seattle, WA, November 2015
- Biennial Freshman Research Initiative Conference, Austin, TX, March 2016
- American Association of Cancer Research (AACR) Annual Meeting, New Orleans, LA, April 2016
- NIH Regional Seminars on Program Funding and Grants Administration, Baltimore, MA, May 2016
- 10th World Biomaterials Congress, Montreal, Canada, May 2016
- “Integrating Authentic Research Experiences into Courses” workshop by Dr. Stacia Rodenbusch (Director of the Freshman Research Initiative at UT Austin), UTRGV, June 2016
- College of Health Affairs Research Fellows Meetings, UTRGV, 2016-2017

PEER-REVIEWED PUBLICATIONS

1. **Sue Anne Chew**, Michael C. Hacker, Anita Saraf, Robert M. Raphael, F. Kurtis Kasper and Antonios G. Mikos, Biodegradable Branched Polycationic Polymer with Varying Hydrophilic Spacers for Non-Viral Gene Delivery, *Biomacromolecules*, 10, 2436-2445 (2009).
2. **Sue Anne Chew**, Michael C. Hacker, Anita Saraf, Robert M. Raphael, F. Kurtis Kasper and Antonios G. Mikos, Altering Amine Basicities in Biodegradable Branched Polycationic for Non-Viral Gene Delivery, *Biomacromolecules*, 11, 600-609 (2010).
3. **Sue Anne Chew**, James D. Kretlow, Patrick P. Spicer, Austin W. Edwards, F. Kurtis Kasper and Antonios G. Mikos, Delivery of Plasmid DNA Encoding Bone Morphogenetic Protein-2 with a Biodegradable Branched Polycationic Polymer in a Rat Critical-Size Defect Model, *Tissue Eng. Part A*, 17(5-6), 751-763 (2011).
4. Paschalia M. Mountziaris, David C. Sing, **Sue Anne Chew**, Stephanie N. Tzouanas, E. Denny Lehman, F. Kurtis Kasper, and Antonios G. Mikos, Controlled Release of Anti-Inflammatory siRNA from Biodegradable Polymeric Microparticles Intended for Intra-Articular Delivery to the Temporomandibular Joint, *Pharm. Res.*, 28(6), 1370-1384 (2011).
5. Nicholas Mitsiades, **Sue Anne Chew**, Bin He, Aline I. Riechardt, Theano Karadedou, Vassiliki Kotoula and Vassiliki Poulaki, Genotype-Dependent Sensitivity Of Uveal Melanoma Cell Lines To Inhibition of B-Raf, MEK And Akt Kinases: Rationale For Personalized Therapy, *Investigative Ophthalmology and Visual Science*, 52(10), 7248-7255 (2011).
6. Clark J. Needham, Austin K. Williams, **Sue Anne Chew**, F. Kurtis Kasper and Antonios G. Mikos, Engineering a polymeric gene delivery vector based on poly(ethylenimine) and hyaluronic acid, *Biomacromolecules*, 13(5), 1429-1437 (2012).

7. Chuandong Geng, Bin He, Limei Xu, Christopher E. Barbieri, Vijay Kumar Eedunuri, **Sue Anne Chew**, Martin Zimmermann, Richard Bond, John Shou, Chao Li, Mirjam Blattner, David M. Lonard, Francesca Demichelis, Cristian Coarfa, Mark A. Rubin, Pengbo Zhou, Bert W. O'Malley and Nicholas Mitsiades, Prostate cancer-associated mutations in speckle-type POZ protein (SPOP) regulate steroid receptor coactivator 3 protein turnover, *Proc Natl Acad Sci*, 110(17), 6997-7002 (2013).
8. Jasmina Z. Cerne , Sean M. Hartig , Mark P. Hamilton , **Sue Anne Chew**, Nicholas Mitsiades and Vassiliki Poulaki, Protein kinase C inhibitors sensitize GNAQ mutant uveal melanoma cells to ionizing radiation, *Investigative Ophthalmology and Visual Science*, 55(4), 2130-2139 (2014).
9. Chuandong Geng, Kimal Rajapaksh, Shrijal S. Shah, John Shou, Vijay Kumar Eedunuri, Christopher Foley, Warren Fiskus, Mahitha Rajendran, **Sue Anne Chew**, Martin Zimmermann, Richard Bond, Bin He, Cristian Coarfa and Nicholas Mitsiades, Androgen receptor is the key transcriptional mediator of the tumor suppressor SPOP in prostate cancer, *Cancer Research*, 74 (19), 5631-5643 (2014).
10. Bin He, Rainer Lanz, Warren Fiskus, Chuandong Geng, Ping Yi, Sean M. Hartig, Kimal Rajapakshe, John Shou, Liping Wei, Shrijal S. Shah, Christopher Foley, **Sue Anne Chew**, Vijay K. Eedunuri, Diego J. Bedoya, Qin Feng, Anna Frolov, Nancy L. Weigel, Susan G. Hilsenbeck, Daniel G. Rosen, Timothy G. Palzkill, Michael M Ittmann, Yongcheng Song, Cristian Coarfa, Bert W. O'Malley and Nicholas Mitsiades, GATA2 facilitates steroid receptor coactivator (SRC) recruitment to the androgen receptor (AR) complex in prostate cancer cells, *Proc Natl Acad Sci*, 111(51), 18261-18266 (2014).
11. Vijay Kumar Eedunuri*, Kimal Rajapakshe*, Warren Fiskus*, Chuandong Geng, **Sue Anne Chew**, Christopher Foley, Shrijal S. Shah, John Shou, Junaith Mohamed, Cristian Coarfa, Bert W. O'Malley and Nicholas Mitsiades, MiR137 targets p160 Steroid Receptor Coactivators SRC1, SRC2 and SRC3 and inhibits cell proliferation, *Molecular Endocrinology*, 29(8), 1170-83 (2015).
12. Cristian Coarfa*, Warren Fiskus*, Vijay Kumar Eedunuri, Kimal Rajapakshe, Christopher Foley, **Sue Anne Chew**, Shrijal S. Shah, Chuandong Geng, John Shou, Junaith Mohamed, Bert W. O'Malley and Nicholas Mitsiades, Comprehensive proteomic profiling identifies the androgen receptor axis and other signaling pathways as targets of microRNAs suppressed in metastatic prostate cancer, *Oncogene* (2015). doi: 10.1038/onc.2015.295. [Epub ahead of print]
13. **Sue Anne Chew**, Marco A. Arriaga and Victor A. Hinojosa, Effects of surface area to volume ratio of PLGA scaffolds with different architectures on scaffold degradation characteristics and drug release kinetics, *Journal of Biomedical Materials Research Part A*, 104(5):1202-11 (2016).
14. **Sue Anne Chew**, Victor A. Hinojosa and Marco A. Arriaga, Bioresorbable polymer microparticles in the medical and pharmaceutical fields, in *Bioresorbable polymers for biomedical applications, From fundamentals to translational medicine*, G. Perale and J. Hilborn, Editor (2016) Elsevier.
15. **Sue Anne Chew** and Serena Danti, Biomaterial-Based Implantable Devices for Cancer Therapy, *Advanced Healthcare Materials*, (2016) doi: 10.1002/adhm.201600766.

PRESENTATIONS

Oral Presentations

National

1. **Sue Anne Chew**, Michael C. Hacker, Anita Saraf and Antonios G. Mikos *Biodegradable hyperbranched polycationic polymers with varying amine monomers for non-viral gene delivery*, 5th Marie Curie Cutting Edge InVENTS Conference on "Synthesis and applications of self-assembling materials at nano-scale", Madeira, Portugal, April 2008.
2. **Sue Anne Chew**, Michael C. Hacker, Anita Saraf and Antonios G. Mikos, *Effect of hydrophilic spacer length on the complexation of novel biodegradable hyperbranched polycationic polymers and plasmid DNA for non-viral gene delivery*, American Institute of Chemical Engineers (AIChE) Annual Meeting, Philadelphia, PA, November 2008.
3. Vassiliki Poulaki, **Sue Anne Chew**, Bin He, Nicholas Mitsiades, Genotype-Dependent Sensitivity Of Ocular Melanoma Cell Lines To Inhibitors Of Kinases, Including BRAF, MEK And Akt: Rationale For Personalized Therapy, The Association for Research in Vision and Ophthalmology (ARVO) 2011 Annual Meeting, Fort Lauderdale, FL, May 2011.

4. **Sue Anne Chew**, Bin He, Vijay Kumar Eedunuri, Diego Jacinto Bedoya, Chuandong Geng, Ashesh Shah, Vassiliki Poulaki, David Lonard, Bert W. O'Malley, Nicholas Mitsiades, *Regulation of steroid receptor coactivator (SRC)-3 expression and function by mutant G proteins in cancer*, ENDO 2012: The 95th Annual Meeting & Expo, Houston, TX, June 2012.
5. Bin He, **Sue Anne Chew**, Vijay Kumar Eedunuri, Chuandong Geng, Diego Jacinto Bedoya, Ashesh Shah, Nicholas Mitsiades, *GATA2 as a novel therapeutic target for castration-resistant prostate cancer (CRPC)*, ENDO 2012: The 95th Annual Meeting & Expo, Houston, TX, June 2012.
6. Vassiliki Poulaki, **Sue Anne Chew**, Bin He, Vijay Kumar Eedunuri, Martine M. Jager, Bert W. O'Malley, Nicholas Mitsiades, *Microphthalmia-associated transcription factor (MITF) and Steroid Receptor Coactivator (SRC)-3 cooperate to promote proliferation, survival and metabolism in G α -mutant uveal melanoma (UM) cells*, The Association for Research in Vision and Ophthalmology (ARVO) 2013 Annual Meeting, Seattle, WA, May 2013.
7. Vassiliki Poulaki, **Sue Anne Chew**, Bert W O'Malley, Nicholas Mitsiades, *Sensitivity and Resistance of Uveal Melanoma (UM) cells to PKC inhibition: Role of the Steroid Receptor Coactivator (SRC)-3*, The Association for Research in Vision and Ophthalmology (ARVO) 2014 Annual Meeting, Orlando, FL, May 2014.

Local/Regional

1. **Sue Anne Chew**, Michael C. Hacker, Anita Saraf and Antonios G. Mikos, *Effect of Types of Amines on the Complexation of Novel Biodegradable Hyperbranched Polycationic Polymers and Plasmid DNA for Non-Viral Gene Delivery*, Houston Society for Engineering in Medicine and Biology 26th Annual Meeting, Houston, TX, March 2009.
2. **Sue Anne Chew**, *Biodegradable branched polycationic polymers as non-viral gene delivery vectors for bone tissue engineering*, Translational Research Seminar Series, University of Texas at Brownsville, Brownsville, TX, November 2013. (*Invited*)
3. **Sue Anne Chew**, *Tissue Engineering and Regeneration*, Institute of Electrical and Electronics Engineers (IEEE) UTB Student Chapter, University of Texas at Brownsville, TX, April 2014 (*Invited*).

Poster Presentations

International

1. **Sue Anne Chew**, Michael C. Hacker, Antonios G. Mikos, *Biodegradable hyperbranched polycationic polymers with varying hydrophilic spacer length for gene delivery*, 8th World Biomaterials Congress, Amsterdam, Netherlands, May 2008.
2. **Sue Anne Chew**, Marco A. Arriaga, Victor A. Hinojosa, *Effects of surface area to volume ratio of PLGA scaffolds with different architecture on scaffold degradation rate and drug release kinetics*, 10th World Biomaterials Congress, Montreal, Canada, May 2016.

National

1. Vassiliki Poulaki, **Sue Anne Chew**, Bin He, Vijay Kumar Eedunuri, Diego Jacinto Bedoya, Martine J. Jager, Bert W. O'Malley, Nicholas Mitsiades, *The Protein Kinase C (PKC)/Protein Kinase D (PKD)/Steroid Receptor Coactivator (SRC)-3 pathway is an important therapeutic target in G α -mutant Uveal Melanomas*, The Association for Research in Vision and Ophthalmology (ARVO) 2012 Annual Meeting, Fort Lauderdale, FL, May 2012.
2. Bin He, Rainer Lanz, Chuandong Geng, **Sue Anne Chew**, Vijay Kumar Eedunuri, Bert W O'Malley, Nicholas Mitsiades, *Genomic recruitment of the p160 family of steroid receptor coactivators (SRCs) in prostate cancer cells*, ENDO 2012: The 95th Annual Meeting & Expo, Houston, TX, June 2012.
3. Vijay Kumar Eedunuri, Diego Jacinto Bedoya, **Sue Anne Chew**, Ashesh Shah, Bin He, David Lonard, Bert W O'Malley, Nicholas Mitsiades, *Small molecule protein kinase C inhibitors as promising therapeutic agents for prostate cancer treatment*, ENDO 2012: The 95th Annual Meeting & Expo, Houston, TX, June 2012.
4. **Sue Anne Chew**, Marco A. Arriaga, Jesus R. Franco, Daniela Barbosa, Victor A. Hinojosa, Jose Carlos Martinez and Paul Lenz, *Fabrication of minocycline loaded PLGA microparticles for the treatment of intracranial tumors*, American Association of Cancer Research Annual Meeting 2016, New Orleans, LA, April 2016.

5. Marco A. Arriaga, Victor A. Hinojosa and **Sue Anne Chew**, *Easy and economical mold-less technique for the fabrication of PLGA scaffolds with different architectures*, Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) The National Diversity in STEM Conference, Long Beach, CA, October 2016. **(SACNAS Travel Award)**
6. Carolina Leynes, Marco A. Arriaga and **Sue Anne Chew**, *A study of the in vitro degradation of porous PLGA scaffolds with different porogen volume percent for bone tissue engineering applications*, Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) The National Diversity in STEM Conference, Long Beach, CA, October 2016. **(SACNAS Travel Award)**
7. Carolina Leynes, Marco A. Arriaga and **Sue Anne Chew**, *Investigation of the Effects of Porogen Amount and Size Range on the Degradation of Porous PLGA Scaffolds for Bone Tissue Engineering Applications*, Annual Biomedical Research Conference for Minority Students (ABRCMS), Tampa FL, November 2016.
8. Daniel A. Rodriguez de Anda, Marco A. Arriaga and **Sue Anne Chew**, *Development of Poly(lactic-co-glycolic acid) Microparticles Loaded with the Chemotherapy Drug Temozolomide for the Treatment of Glioblastoma*, Annual Biomedical Research Conference for Minority Students (ABRCMS), Tampa FL, November 2016. **(Engineering, Physics and Mathematics Poster Presentation Awardee)**
9. Daniela Barbosa, Victor A. Hinojosa, Marco A. Arriaga, Cecilia Valdez and **Sue Anne Chew**, *An Investigation of Fabrication Parameters of Minocycline Loaded PLGA Microparticles for the Treatment of Glioblastomas*, Annual Biomedical Research Conference for Minority Students (ABRCMS), Tampa FL, November 2016.
10. Marco A. Arriaga, Carolina Leynes and **Sue Anne Chew**, *A study of PLGA scaffolds with different porosity for bone tissue engineering applications*, Tissue Engineering and Regenerative Medicine International Society Americas (TERMIS-AM) Annual Conference and Exhibition, San Diego, CA, December 2016.

Local/Regional

1. **Sue Anne Chew**, William D. Shepard, Michael C. Hacker, Antonios G. Mikos, *Synthesis and characterization of biodegradable polycationic polymers for non-viral gene delivery*, Advances in Tissue Engineering Short Course 2007, Houston, TX, August 2007.
2. **Sue Anne Chew**, Michael C. Hacker, Antonios G. Mikos, *Biodegradable hyperbranched polycationic polymers with varying hydrophilic spacer length for gene delivery*, Advances in Tissue Engineering Short Course 2008, Houston, TX, August 2008.
3. **Sue Anne Chew**, Michael C. Hacker, Antonios G. Mikos, *Biodegradable hyperbranched polycationic polymers with varying hydrophilic spacer length for gene delivery*, Advances in Tissue Engineering Short Course 2009, Houston, TX, August 2009.
4. John Shou, **Sue Anne Chew**, Nicholas Mitsiades, Vijay Kumar Eedunuri, Xiaoyong Fu, Gary Chamness, Kent Osborne, and Rachel Schiff, *The PKC inhibitor PKC412 antagonizes breast cancer cell growth and enhances tamoxifen sensitivity*, 35th Annual Cancer Therapy Research Center-American Association of Cancer Research (CTRC-AACR) San Antonio Breast Cancer Symposium, San Antonio, TX, December 2012.
5. Marco Arriaga, Victor Hinojosa, Benita Barraza, **Sue Anne Chew**, *Fabrication and characterization of PLGA scaffolds with different architecture for controlled drug delivery*, Pan American Collaboration for Ethics in the Professions (PACE) 6th Annual Conference, Edinburg, TX, November 2014. **(Bioethics Student Research Award Winner)**
6. **Sue Anne Chew** and Manuel Saldivar, *Freshman Research Initiative in the Department of Health and Biomedical Sciences at the University of Texas Rio Grande Valley*, 2016 Freshman Research Initiative Conference, Austin, TX, March 2016.
7. Daniela Barbosa, Victor A. Hinojosa, Marco A. Arriaga, **Sue Anne Chew**, *Effects of Sonicator Amplitude on Drug Loading and Drug Release Kinetics of PLGA/Minocycline Microparticles for the Treatment of Glioblastomas*, ES²16 Engaged Scholar Symposium, Brownsville, TX, April 2016
8. Carolina Leynes, Marco A. Arriaga, **Sue Anne Chew**, *A Study of the In Vitro Degradation of Porous PLGA Scaffolds with Different Porogen Weight Percent for Bone Tissue Engineering Applications*, ES²16 Engaged Scholar Symposium, Brownsville, TX, April 2016

9. Jesús Roberto Franco, Marco A. Arriaga, Natasha Vora, **Sue Anne Chew**, *Fabrication Method of Minocycline Loaded PLGA Microparticles for the Treatment of Glioblastomas*, ES²16 Engaged Scholar Symposium, Brownsville, TX, April 2016