

CURRICULUM VITAE
The Johns Hopkins University School of Medicine
Joel C. Sunshine, M.D., Ph.D.
April 7, 2020

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

2020-present Assistant Professor, Dermatology, Dermatopathology, and Biomedical Engineering,
Johns Hopkins School of Medicine, Baltimore, MD

Personal Data

Department of Dermatology
Johns Hopkins School of Medicine
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Education and Training

2003-2007 B.S./M.S., Chemistry, Biochemistry, Brandeis University, Waltham. PI: Thomas Pochapsky. PhD
Master's Thesis: "*Direct-observe ¹³C Homo- and Heteronuclear NMR for Protein Backbone Structural Information
around the Paramagnetic Active Site of Acireductone Dioxygenase from Klebsiella ATCC 8724*"

2008-2015 M.D., Ph.D., Biomedical Engineering, Johns Hopkins School of Medicine, Baltimore, MD
PI: Jordan J. Green. Ph.D. Dissertation: "*Biodegradable Micro- and Nanoparticles for Gene Delivery and Immune
Activation*"

2016-2019 Residency, Dermatology, Feinberg School of Medicine, Northwestern
2019-2020 Fellowship, Dermatopathology, Feinberg School of Medicine, Northwestern

Professional Experience

2001 Summer Student, Risk Factors Monitoring Methods Branch, NCI, MD
2002-2004 Summer Student, Institute for Genomic Research, Shady Grove, MD
2005 Summer Student. Laboratory of Robert Kreitman, NCI, Bethesda, MD
2007-2008 Research Technician, Laboratory of Robert Langer, MIT, Cambridge, MA
2015-2016 Medical Internship, Sinai Hospital of Baltimore, Baltimore, MD
2016-2019 Dermatology Resident, Feinberg School of Medicine, Northwestern, Chicago, IL
2019-2019 Analyst, Advancing Innovation in Dermatology Accelerator Fund
2019-2020 Dermatopathology Fellow, Feinberg School of Medicine, Northwestern, Chicago, IL

PUBLICATIONS:

1. Subar AF, Kipnis V, Troiano RP, Midthune D, Schoeller DA, Bingham S, Sharbaugh CO, Trabulsi J, Runswick S, Ballard-Barbash R, **Sunshine JC**, Schatzkin A. Using intake biomarkers to evaluate the extent of dietary misreporting in a large sample of adults: the OPEN study. *American Journal of Epidemiology*. 2003; 158(1):1-13.
2. Arons E, **Sunshine JC**, Suntum T, Kreitman RJ. Somatic hypermutation and VH gene usage in hairy cell leukaemia. *British Journal of Haematology*. 2006;133(5): 504-12
3. Arons E, Suntum T, **Sunshine JC**, Stetler-Stevenson M, Kreitman RJ. Immunoglobulin light chain repertoire in hairy cell leukemia. *Leukemia Research*. 2007;31(9): 1231-6
4. Pochapsky SS, **Sunshine JC**, and Pochapsky TC. Completing the circuit: direct observe ¹³C, ¹⁵N double-quantum spectroscopy permits sequential resonance assignments near a paramagnetic center in acireductone dioxygenase. *Journal of the American Chemical Society*. 2008; 130(7):2156-7
5. **Sunshine JC**, Bhise NB, Green JJ. Degradable polymers for gene delivery. *Conference Proceedings IEEE Engineering in Medicine and Biology Society*. 2009; 1:2412-5
6. Lee JS, Green JJ, Love KT, **Sunshine JC**, Langer RL, Anderson DG. Gold, Poly(beta-amino ester) Nanoparticles for Small Interfering RNA Delivery. *Nano Letters*. 2009; 9(6):2402-6
7. **Sunshine JC**, Green JJ, Mahon K, Yang F, Langer R, Anderson DG. Small Molecule End Group of Linear Polymer Determines Cell-type Gene Delivery Efficacy. *Advanced Materials*. 2009;21(48):4947-4951
8. Bhise N, Gray R, **Sunshine JC**, Htet S, Ewald A, Green JJ. The relationship between terminal functionalization and molecular weight of a gene delivery polymer and transfection efficacy in mammary epithelial 2-D cultures and 3-D organotypic cultures. *Biomaterials*. 2010; 31(31):8088-96

9. **Sunshine JC**, Akanda MI, Li D, Kozielski KL, and Green JJ. Effects of Base Polymer Hydrophobicity and End-Group Modification on Polymeric Gene Delivery. *Biomacromolecules*. 2011; 12(10):3592–3600
10. Tzeng SY, Guerrero-Cázares H, Martinez EE, **Sunshine JC**, Quiñones-Hinojosa A, Green JJ. Non-Viral Gene Delivery Nanoparticles based on Poly(beta-amino) esters for Treatment of Glioblastoma. *Biomaterials*. 2011; 32(23):5402-10
11. **Sunshine JC**, Bishop CJ, Green JJ. Advances in polymeric and inorganic vectors for nonviral nucleic acid delivery. *Therapeutic Delivery*. 2011; 2(4):493-521
12. Bhise N, Shmueli RB, **Sunshine JC**, Tzeng SY, Green JJ. Drug delivery strategies for therapeutic angiogenesis and antiangiogenesis. *Expert Opinion on Drug Delivery*. 2011; 8(4):485-504
13. **Sunshine JC**, Peng DY, Green JJ. Uptake and transfection with polymeric nanoparticles are dependent on polymer end-group structure, but largely independent of nanoparticle physical and chemical properties. *Molecular Pharmaceutics*. 2012; 9(11):3375-3383
14. **Sunshine JC***, Sunshine SB*, Bhutto I, Handa JT, Green JJ. Poly(β -amino ester)-Nanoparticle Mediated Transfection Of Retinal Pigment Epithelial Cells in vitro and in vivo. *PLoS ONE*. 2012; 7(5):e37543
15. Shmueli RB*, **Sunshine JC***, Xu Z, Duh EJ, Green JJ. Gene delivery nanoparticles specific for human microvasculature and macrovasculature. *Nanomedicine: NBM*. 2012; 8(7):1200-7
16. Bishop CJ, Ketola TM, Tzeng SY, **Sunshine JC**, Urtti A, Lemmetyinen H, Vuorimaa-Laukkanen E, Yliperttula M, Green JJ. The Effect and Role of Carbon Atoms in Poly(beta-amino ester)s for DNA Binding and Gene Delivery. *Journal of the American Chemical Society*. 2013; 135(18):6951-6957
17. **Sunshine JC***, Perica K*, Schneck JP, Green JJ. Particle shape-dependence of CD8+ T cell activation by artificial Antigen Presenting Cells. *Biomaterials*. 2014; 35(1):269-277
18. **Sunshine JC**, Green JJ. Nanoengineering approaches to the design of artificial Antigen-Presenting Cells. *Nanomedicine*. 2013; 8(7):1173-1189
19. Kim J, **Sunshine JC**, Green JJ. Differential polymer structure tunes mechanism of cellular uptake and transfection routes of poly(β -amino ester) polyplexes in human breast cancer cells. *Bioconjugate Chemistry*. 2014; 25(1):43-51
20. **Sunshine J**, Taube JT. PD-1/PD-L1 inhibitors. *Current Opinion in Pharmacology*. 2015; 23:32-38.
21. Meyer RA, **Sunshine JC**, Green JJ. Biomimetic particles as therapeutics. *Trends in Biotechnology*. 2015; 33(9):514-524.
22. Meyer RA*, **Sunshine JC***, Perica K, Kosmides AK, Aje K, Schneck JP, Green JJ. Biodegradable nanoellipsoidal artificial antigen presenting cells for antigen specific T-cell activation. *Small*. 2015; 11(13), 1519-1525. DOI: 10.1002/smll.201570077
23. Danilova L, Wang H, **Sunshine J**, Kaunitz GJ, Cottrell TR, Xu H, Esandrio J, Anders RA, Cope L, Pardoll DM, Drake CG, Taube JM. Association of PD-1/PD-L axis expression with cytolytic activity, mutational load, and prognosis in melanoma and other solid tumors. *Proceedings of the National Academy of Science*. 2016; 113(48):E7769-E7777.
24. Nghiem PT, Bhatia S, Lipson EJ, Kudchadkar RR, Miller NJ, Annamalai L, Berry S, Chartash E, Daud A, Fling SP, Friedlander PA, Kluger HM, Kohrt HE, Lundgren L, Margolin K, Mitchell A, Olencki TO, Pardoll DM, Reddy SA, Shantha EM, Sharfman WH, Sharon E, Shemanski LR, Shinohara MM, **Sunshine JC**, Taube JM, Thompson JA, Townson SM, Yearley JH, Topalian SL, Cheever MA. PD-1 Blockade with Pembrolizuma in Advanced Merkel-Cell Carcinoma. *New England Journal of Medicine*. 2016; 374:2542-2552.
25. **Sunshine JC**, Nguyen P, Kaunitz G, Cottrell T, Berry S, Esandrio J, Xu H, Ogurtsova A, Bleich KR, Cornish TC, Lipson EJ, Anders RA, Taube JM. PD-L1 Expression in Melanoma: A Quantitative Immunohistochemical Antibody Comparison. *Clinical Cancer Research*. 2017; 23(16):4938-44.
26. **Sunshine JC**, Jachan NS, Sage J, Choi J. Are there multiple cells of origin of Merkel cell carcinoma? *Oncogene*. 2018; 37:1409-1416.
27. Xu S, Xu RS, Breslin J, Raff AB, Garibyan L, **Sunshine JC**, Ju WD. Professional Medical Associations and the Opportunity to Promote Breakthrough Biomedical Innovation. *Drug Discovery Today*. 2018; 23(8):1453.
28. Giraldo NA, Nguyen P, Engle EL, Kaunitz GJ, Cottrell TR, Berry S, Green B, Son A, Cuda JD, Sein JE, **Sunshine JC**, Succaria F, Xu H, Ogurtsova A, Danilova L, Church CD, Miller NJ, Fling S, Lundgren L, Ramchurren N, Yearley JH, Lipson EJ, Cheever M, Anders RA, Nghiem PT, Topalian SL, Taube JM. Multidimensional, quantitative assessment of PD-1/PD-L1 expression in patients with Merkel cell carcinoma and association with response to pembrolizumab. *Journal for ImmunoTherapy of Cancer*. 2018; 6:99.
29. Meyer RA, Mathew MP, Ben-Akiva E, **Sunshine JC**, Shmueli RB, Ren Q, Yarema KJ, Green J. Anisotropic biodegradable lipid coated particles for spatially dynamic protein presentation. *Acta Biomaterialia*. 2018; 72:228-238.
30. Wilson DR, Sen R, **Sunshine JC**, Pardoll DM, Green JJ, Kim YJ. Biodegradable STING agonist nanoparticles for enhanced cancer immunotherapy. *Nanomedicine: NBM*. 2018; 14(2):237-246.

31. **Sunshine JC**, Paller AS. Which Nanobasics Should be Taught in Medical Schools? *AMA Journal of Ethics*. 2019; 21(4):E337-346.
32. **Sunshine JC**, Sosman J, Shetty A, Choi JN. Successful Treatment of In-Transit Metastatic Melanoma In A Renal Transplant Patient With Combination T-VEC/Imiquimod Immunotherapy. *Journal of Immunotherapy*. 2020; 34 (4), 149-152.
33. SA Chadha, J Shastry, **JC Sunshine**, J Choi, L Guggina. Cutaneous Toxicities of PI3K Inhibitors: A Series of Two Cases and Review of the Literature. *SKIN The Journal of Cutaneous Medicine*. 2020; 4 (6), 585-590.
34. SA Chadha, L Zheng, **JC Sunshine**, LM Guggina, CV Nguyen. Post-herpes zoster PD-1 inhibitor associated zosteriform granulomatous reactions . *JAAD Case Reports*. 2020; 6 (12), 1201–1204.
35. Kim D, Khan AU, Compres EV, Zhang B, **Sunshine JC**, Quan VL, Gerami P. BRAF fusion Spitz neoplasms; clinical morphological, and genomic findings in six cases. *Journal of Cutaneous Pathology*. 47 (12), 1132-1142.
36. **Sunshine JC**, Kim D, Zhang B, Compres EV, Khan AU, Busam KJ, Gerami P. Melanocytic Neoplasms with MAP2K1 in Frame Deletions and Spitz Morphology. *The American Journal of Dermatopathology*. 2020; 42 (12), 923-931.
37. Gerami P, Kim D, Compres EV, Zhang B, Khan AU, **Sunshine JC**, Quan VL, Busam KJ. Clinical, morphologic, and genomic findings in ROS1 fusion Spitz neoplasms. *Modern Pathology*. 2021; 34, 348-357.

Book Chapters

1. **Sunshine JC**, Guss ZD, Pillai JJ, Lim M. Chapter 27: Application of Nanotechnology in the Diagnosis and Treatment of Brain Metastasis. In: Kateb B, Heiss JD (eds). *The Textbook of Nanoneuroscience and Nanoneurosurgery*. CRC Press, Boca Raton, FL. ISBN: 978-1-4398-4941-5. 2013; 395-402.
2. **Sunshine JC**, Lipson E. Lymphocyte Activation Gene 3 (LAG-3). In: Marshall JL (ed). *Cancer Therapeutic Targets*. Springer, New York. ISBN: 978-1-4419-0716-5. 2017; 375-383.

CLINICAL ACTIVITIES

Clinical Focus

I am a dermatologist with a clinical focus on taking care of patients with skin cancer (cutaneous oncology) and patients with skin reactions to cancer treatments (oncodermatology). I am also a dermatopathologist with a strong interest in skin cancers and the way that they interact with their immune microenvironment. I am interested in finding new ways to better predict which patients will do well with what treatment and in finding new innovative ways to better understand and deal with the side effects of their treatment regimens.

Medical, other state/government licensure

03/19/2019 Illinois Medical License, 036.148536
 04/16/2020 Maryland Medical License, D0089342
 08/30/2020 D.C. Medical License, MD048536

Boards, other specialty certification

07/26/2019 Dermatology
 10/14/2020 Dermatopathology

EDUCATIONAL ACTIVITIES

Mentoring

Pre-doctoral Advisees /Mentees

2010-2011 Marib Akanda, Undergraduate, current Ophthalmology resident at Northwell Health. Assisted with publication #9.
 2010-2011 Daniel Peng, Undergraduate, currently works at Apple Health. Assisted with publication #13.

RESEARCH ACTIVITIES

Inventions, Patents, Copyrights

1. Green JJ, Perica K, Schneck J, **Sunshine JC**. “Artificial Antigen Presenting Cells Having a Defined and Dynamic Shape.” U.S. Patent 20,140,370,099.
2. Green JJ, Popel AS, **Sunshine JC**, Shmueli RB, Tzeng SY, Kozielski KL, “Peptide/particle delivery systems” U.S. Patent 9,717,694 and application No. 15/645,337.
3. Green JJ, **Sunshine JC**, Bhise N, Shmueli RB, Tzeng SY. "Multicomponent Degradable Cationic Polymers." U.S. Patent 9,884,118.

4. Meyer RA, Matthew M, **Sunshine JC**, Shmueli RB, Green JJ, Yarema K. "Biomimetic artificial cells: anisotropic supported lipid bilayers on biodegradable micro and nanoparticles for spatially dynamic surface biomolecule presentation." U.S. Patent Application No. 15561879.

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

None

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

2018-2019 Basic Science Chief, Dermatology Residency, Northwestern

Professional Societies

2016-present American Academy of Dermatology, Member

2019-present American Society of Dermatopathology, Member

RECOGNITION

Awards, Honors

2003-2007 Brandeis University, Presidential Scholar

2005, 2007 Academic All American, Indoor Track and Field, Brandeis University

2006, 2007 Phi Beta Kappa, Brandeis University

2007 Highest Honors in Chemistry and Biochemistry, Brandeis University

2007 Rishon M. Bialer Memorial Prize, Brandeis University

2007 Charles A. Napoli '58 Student-Athlete Award, Brandeis University

2009-2015 Johns Hopkins School of Medicine, Medical Scientist Training Program

2011 AFER/RRF/Joseph M. & Eula C. Lawrence Travel Grant, ARVO

2013 STAR Award and Travel Grant, Society for Biomaterials

2014-2015 Siebel Scholar, Class of 2015

2018 Fellow, Advancing Innovation in Dermatology, Virtual Magic Wand Program

OTHER PROFESSIONAL ACCOMPLISHMENTS

Oral Presentations

1. **Sunshine JC**, Perica K, Meyer R, Schneck JP, Green JJ (2013). Antigen-specific T-cell activation with non-spherical micro- and nano-artificial antigen presenting cells (aAPC). The 12th US-Japan Symposium on Drug Delivery Systems. Maui, HI. Dec. 16-20, 2013
2. **Sunshine JC**, Perica K, Schneck JP, Green JJ (2013). Non-spherical artificial antigen presenting cells for tumor immunotherapy. The Society for Biomaterials, Boston, MA. April 10-13, 2013
3. **Sunshine JC**, Perica K, Schneck JP, Green JJ (2012). T-cell activation by artificial antigen presenting cells (aAPC): Effects of particle shape. The 86th ACS Colloid and Surface Science Symposium, Baltimore, MD. June 10-13, 2012
4. **Sunshine JC**, Perica K, Schneck JP, Green JJ (2011). Shape-dependence of T-cell induction by artificial Antigen Presenting Cells (aAPC). The 11th US-Japan Symposium on Drug Delivery Systems. Maui, HI. Dec. 16-20, 2011
5. **Sunshine JC**, Bhise N, Akanda M, Shmueli R, Li D, Green JJ (2009). Biphasic degrading polymers for intracellular delivery. The 10th US-Japan Symposium on Drug Delivery Systems. Maui, HI. Dec. 16-20, 2009

Posters

1. **Sunshine JC**, Pease D, Guitart JG (2019). Multiplex Immunohistochemistry (mIHC) to probe differences between aggressive versus indolent small/medium pleomorphic T-cell lymphoma. American Society of Dermatopathology Annual Meeting 2019, San Diego, CA, October 17-20, 2019.
2. Giraldo NA, Kaunitz GJ, Cottrell TR, Berry S, **Sunshine JC**, Nguyen P, Xu H, Orgutsova, A, Church CD, Miller NJ, Yearley JH, Lipson EJ, Danilova L, Nghiem PT, Topalian SL, Taube JM (2017). The differential association of PD-1, PD-L1, and CD8+ cells with response to pembrolizumab and presence of Merkel cell polyomavirus (MCPyV) in patients with Merkel cell carcinoma (MCC). AACR Annual Meeting 2017, Washington, DC, April 1-5, 2017
3. Meyer R, **Sunshine JC**, Schlesinger DE, Schneck JP, Green JJ (2016). Biodegradable monodisperse oblate and prolate ellipsoidal artificial antigen presenting cells for antigen specific T-Cell activation. 10th World Biomaterials Congress. Montreal, Canada, May 18, 2016 (Selected for Oral Presentation)

4. **Sunshine JC**, Kauntiz G, Cottrell T, Berry S, Esandrio J, Xu H, Ogurtsova A, Cornish T, Lipson EJ, Anders RA, and Taube JM (2015). Measurement of PD-L1 in Melanoma: A quantitative antibody comparison. Society for Immunotherapy in Cancer 30th Annual Meeting, National Harbor, MD, November 4-8, 2015.
5. Kim J, Mastorakos P, **Sunshine JC**, Park HW, Suk JS, Hanes JS, Green JJ (2014). Optimizing Poly(β -amino ester) Polyplexes for Enhanced Cellular Uptake and Particle Stability. Biomedical Engineering Society 2014 Annual Meeting, San Antonio, TX, October 25, 2014
6. Meyer R, **Sunshine JC**, Perica K, Aje K, Schneck JP, Green JJ (2014). Biodegradable Nanoellipsoidal Artificial Antigen Presenting Cells for Cancer Immunotherapy. Biomedical Engineering Society 2014 Annual Meeting, San Antonio, TX, October 25, 2014 and the INBT Annual Symposium, Baltimore, MD, May 2, 2014
7. **Sunshine JC**, Perica K, Meyer R, Schneck JP, Green JJ (2013). Antigen-specific T cell activation with non-spherical micro- and nano-artificial antigen presenting cells (aAPC). The INBT Annual Symposium, Baltimore, MD. May 17, 2013
8. **Sunshine JC**, Perica K, Schneck JP, Green JJ (2012). Particle shape matters for T-cell activation by artificial Antigen Presenting Cells (aAPC). The INBT Annual Symposium, Baltimore, MD. May 4, 2012
9. Kim J, **Sunshine JC**, Green JJ (2012). Cellular Uptake Pathway of Poly(beta-amino)ester Nanoparticles Affects Gene Transfection in Breast Cancer Cells. The INBT Annual Symposium, Baltimore, MD. May 4, 2012
10. Chandrashekhar DK, Shmueli RB, **Sunshine JC**, Connis N, Green JJ, Hann CL (2012). The development of SCLC specific nanoparticle-mediated p53 gene delivery. The 103rd Annual Meeting of the American Association for Cancer Research. Chicago, IL. Mar. 31-Apr. 4, 2012
11. Sunshine SB, **Sunshine JC**, Cano M, Green JJ, Handa JT (2011). Utilizing Poly(beta-amino)ester Nanoparticles for Ophthalmology. The 11th US-Japan Symposium on Drug Delivery Systems. Maui, HI. Dec. 16-20, 2011
12. **Sunshine JC**, Sunshine SB, Handa JT, Green JJ (2011). High Throughput Screening of Non-Viral Polymers for Improved Gene Delivery to Retinal Pigment Epithelial Cells. The INBT Annual Symposium, Baltimore, MD. May 13, 2011
13. Bishop CJ, **Sunshine JC**, Green JJ (2011). Nano-Gold/Degradable Polymer hybrid Nanoparticles for Co-Delivery of DNA and siRNA. The INBT Annual Symposium, Baltimore, MD. May 13, 2011
14. Tzeng SY, Guerrero-Cázares H, Martinez EE, **Sunshine JC**, Quiñones-Hinojosa A, Green JJ (2011). "Non-Viral Gene Delivery for Treatment of Glioblastoma. The INBT Annual Symposium, Baltimore, MD. May 13, 2011
15. **Sunshine JC**, Sunshine SB, Handa JT, Green JJ (2011). Transfection of Retinal Pigment Epithelial Cells with a Combinatorial Library of Poly(beta-amino)esters. The Wilmer Eye Institute Research Day, Baltimore, MD. April 15, 2011, and at ARVO (Association for Research in Vision and Ophthalmology), Ft. Lauderdale, FL. May 1-5, 2011
16. Sunshine SB, **Sunshine JC**, Cano M, Green JJ, Handa JT (2011). Nitric Oxide induces Nrf2 signalling in RPE cells in vitro. The Wilmer Eye Institute Research Day, Baltimore, MD. April 15, 2011, and ARVO (Association for Research in Vision and Ophthalmology), Ft. Lauderdale, FL. May 1-5, 2011
17. Shmueli R, **Sunshine JC**, Duh E, Green JJ (2011). Non-viral Gene Delivery for Microvasculature and Macrovasculature. The Wilmer Eye Institute Research Day, Baltimore, MD. April 15, 2011
18. Chandrashekhar DK, Shmueli RB, **Sunshine JC**, Connis N, Green JJ, Hann CL (2011). Development of SCLC specific nanoparticle-mediated therapeutic gene delivery. The 102nd Annual Meeting of the American Association for Cancer Research. Orlando, FL. April 2-6, 2010
19. Peng DY, **Sunshine JC**, Green JJ (2010). Characterization of Degradable Poly(ester amines) and Poly(amidoamines) for Non-viral Gene Delivery. Annual Meeting of the Biomedical Engineering Society. Austin, TX, October 6-9, 2010, and the 2011 INBT Annual Symposium, Baltimore, MD. May 13, 2011
20. **Sunshine JC**, Bhise N, Shmueli R, Li D, Akanda M, Green JJ (2010). Bioreducible Cationic Polymers for Gene Delivery: Backbone, End-Capping Still Matters. The Johns Hopkins NanoBio Symposium. Baltimore, MD. April 29, 2010
21. **Sunshine JC**, Bhise N, Akanda M, Shmueli R, Li D, Green JJ (2009). Biphasic degrading polymers for intracellular delivery. The 10th US-Japan Symposium on Drug Delivery Systems. Maui, HI. Dec. 16-20, 2009
22. Bhise N, **Sunshine JC**, Akanda M, Green JJ (2009). Synthesis and High-Throughput Screening of Degradable Polymers for Gene Delivery. The Biomedical Engineering Society Annual Meeting. Pittsburgh, PA. October 8, 2009
23. Bhise N, **Sunshine JC**, Green JJ (2009). Approaches Towards Non-Viral Nanoparticles for Creation of Human Induced Pluripotent Stem Cells" presented at the World Stem Cell Summit. Baltimore, MD. September 22, 2009
24. **Sunshine JC**, Bhise N, Green JJ (2009). Degradable polymers for gene delivery. The Annual International IEEE Engineering in Medicine and Biology Society Conference. Minneapolis, MN. September 4, 2009
25. **Sunshine JC**, Bhise N, Shmueli R, Divi S, Rauck B, Green JJ (2009). High-Throughput Development of Degradable Polymers for Gene Delivery. The Johns Hopkins NanoBio Symposium. Baltimore, MD. May 18, 2009

26. **Sunshine JC**, Green JJ, Mahon JJ, Langer R, Anderson DG (2007). Next Generation Gene Delivery by End-Modification of C32 [Poly-(β Amino Ester)]. The 9th US-Japan Symposium on Drug Delivery Systems. Maui, HI. Dec. 16-20, 2007
27. **Sunshine JC**, Natarajan S, Pochapsky S, Pochapsky T (2007). Direct-observe ¹³C homo- and heteronuclear NMR for protein structural information in the active site of acireductone dioxygenase from Klebsiella. The 21st Symposium of The Protein Society. Boston, MA. July 21-25, 2007
28. Arons E, **Sunshine JC**, Suntum T, Margulies I, Sorbara L, Raffeld M, Stetler-Stevenson M, Pastan I, Kreitman RJ (2006). Minimal residual disease in hairy cell leukemia patients treated by BL22. The First AACR International Conference on Molecular Diagnostics in Cancer Therapeutic Development. NIH-NCI, Bethesda, MD. Sep 12-15, 2006