

Year of Publication	Lead Author	Title	Link
2013	Fritton	Low Calcium and High Fructose Diet Diminish the Quality of Circumferential Long-Bone Growth	<a href="https://ieeexplore.ieee.org/abstract/document/6574441/authors">https://ieeexplore.ieee.org/abstract/document/6574441/authors</a>
2013	Minko, T	Nanostructured lipid carriers as multifunctional nanomedicine platform for pulmonary co-delivery of anticancer drugs and siRNA	<a href="https://www.sciencedirect.com/science/article/pii/S016836591300237X">https://www.sciencedirect.com/science/article/pii/S016836591300237X</a>
2014	Sahota	PD32-06 ASSESSMENT OF PHARMACOLOGIC INTERVENTION ON CYSTINE STONE GROWTH USING IN VIVO IMAGING IN A MOUSE MODEL OF CYSTINURIA	<a href="https://www.researchgate.net/publication/273417678_PD32-06_ASSESSMENT_OF_PHARMACOLOGIC_INTERVENTION_ON_CYSTINE_STONE_GROWTH_USING_IN_VIVO_IMAGING_IN_A_MOUSE_MODEL_OF_CYSTINURIA">https://www.researchgate.net/publication/273417678_PD32-06_ASSESSMENT_OF_PHARMACOLOGIC_INTERVENTION_ON_CYSTINE_STONE_GROWTH_USING_IN_VIVO_IMAGING_IN_A_MOUSE_MODEL_OF_CYSTINURIA</a>
2014	Shapses	Fetal and neonatal exposure to the endocrine disruptor, methoxychlor, reduces lean body mass and bone mineral density and increases cortical porosity.	<a href="https://www.ncbi.nlm.nih.gov/pubmed/25326143">https://www.ncbi.nlm.nih.gov/pubmed/25326143</a>
2014	Shapses	mice consuming saturated or monounsaturated enriched high-fat diets	<a href="https://www.sciencedirect.com/science/article/pii/S027153171830647X">https://www.sciencedirect.com/science/article/pii/S027153171830647X</a>
2014	Minko, T	Tumor-Targeted Responsive Nanoparticle-Based Systems for Magnetic Resonance Imaging and Therapy	<a href="https://link.springer.com/article/10.1007/s11095-014-1436-x">https://link.springer.com/article/10.1007/s11095-014-1436-x</a>
2015	Gow	Framework for 3D histologic reconstruction and fusion with <i>in vivo</i> MRI: Preliminary results of characterizing pulmonary inflammation in a mouse model	<a href="https://aapm.onlinelibrary.wiley.com/doi/full/10.1118/1.4923161">https://aapm.onlinelibrary.wiley.com/doi/full/10.1118/1.4923161</a>
2015	Kumar	Sizes and Sufficient Quantities of MSC Microspheres for Intrathecal Injection to Modulate Inflammation in Spinal Cord Injury	<a href="https://www.worldscientific.com/doi/pdf/10.1142/S179398441550004X">https://www.worldscientific.com/doi/pdf/10.1142/S179398441550004X</a>
2015	Moghe	CXCR-4 Targeted, Short Wave Infrared (SWIR) Emitting Nanoprobes for Enhanced Deep Tissue Imaging and Micrometastatic Cancer Lesion Detection	<a href="https://onlinelibrary.wiley.com/doi/full/10.1002/sml.201502202">https://onlinelibrary.wiley.com/doi/full/10.1002/sml.201502202</a>
2015	Moghe	Abstract 1482: Early detection and longitudinal imaging of breast cancer metastatic microlesions using short-wave infrared light	<a href="https://www.researchgate.net/publication/282471569_Abstract_1482_Early_detection_and_longitudinal_imaging_of_breast_cancer_metastatic_microlesions_using_short-">https://www.researchgate.net/publication/282471569_Abstract_1482_Early_detection_and_longitudinal_imaging_of_breast_cancer_metastatic_microlesions_using_short-</a>
2015	Sinko	The Evaluation of Bac7 Labeled Nanocarriers to Deliver Antiretrovirals as a Pre-Exposure Prophylaxis (PrEP) Therapy for HIV Prevention	<a href="https://www.fasebj.org/doi/abs/10.1096/fasebj.29.1_supplement.620.5">https://www.fasebj.org/doi/abs/10.1096/fasebj.29.1_supplement.620.5</a>
2015	Sinko, Prud'homme	Single-Step Assembly of Multimodal Imaging Nanocarriers: MRI and Long-Wavelength Fluorescence Imaging	<a href="https://onlinelibrary.wiley.com/doi/full/10.1002/adhm.201400766">https://onlinelibrary.wiley.com/doi/full/10.1002/adhm.201400766</a>
2016	DI Paola	Atg7 cooperates with Pten loss to drive prostate cancer tumor growth	<a href="http://genesdev.cshlp.org/content/30/4/399.short">http://genesdev.cshlp.org/content/30/4/399.short</a>
2016	Gow	Nitrogen Mustard-Induced Lung Fibrosis Visualized By Mri And CT Imaging Is Accompanied By Accumulation Of Foamy Macrophages	<a href="https://www.atsjournals.org/doi/pdf/10.1164/ajrccm-conference.2016.193.1">https://www.atsjournals.org/doi/pdf/10.1164/ajrccm-conference.2016.193.1</a>
2016	Gow	C32 IMAGING INFLAMMATION IN THE LUNG: Nitrogen Mustard-Induced Lung Fibrosis Visualized By Mri And CT Imaging Is Accompanied By Accumulation Of Foamy Macrophages	<a href="https://search.proquest.com/openview/c98409400dc08468068efefef263cb90/1?cbl=40575&amp;pg-origsite=gscholar">https://search.proquest.com/openview/c98409400dc08468068efefef263cb90/1?cbl=40575&amp;pg-origsite=gscholar</a>
2016	Laskin	Characterization of Nitrogen Mustard-Induced Lung Injury Using Molecular Imaging Techniques	<a href="https://www.fasebj.org/doi/abs/10.1096/fasebj.30.1_supplement.933.2">https://www.fasebj.org/doi/abs/10.1096/fasebj.30.1_supplement.933.2</a>
2016	Sinko	Passive Pulmonary Targeting: Preliminary Assessment of the Effects of Microparticle Deposition in the Lungs	<a href="https://www.fasebj.org/doi/abs/10.1096/fasebj.30.1_supplement.933.3">https://www.fasebj.org/doi/abs/10.1096/fasebj.30.1_supplement.933.3</a>

2017	Hatafi, A	Development of a Recombinant Multifunctional Biomacromolecule for Targeted Gene Transfer to Prostate Cancer Cells	<a href="https://pubs.acs.org/doi/abs/10.1021/acs.biomac.7b00739">https://pubs.acs.org/doi/abs/10.1021/acs.biomac.7b00739</a>
2017	Freeman	Sub-failure Stretch Injury Response in Rat Achilles Tendon	<a href="https://link.springer.com/article/10.1007/s40883-017-0043-x">https://link.springer.com/article/10.1007/s40883-017-0043-x</a>
2017	Minko	Combinatorial treatment of idiopathic pulmonary fibrosis using nanoparticles with prostaglandin E and siRNA(s)	<a href="https://www.sciencedirect.com/science/article/pii/S1549963417300667">https://www.sciencedirect.com/science/article/pii/S1549963417300667</a>
2017	Moghe	Surveillance nanotechnology for multi-organ cancer metastases	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5844578/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5844578/</a>
2017	TC Lee	A Novel Approach To Improve the Efficiency of Block Freeze Concentration Using Ice Nucleation Proteins with Altered Ice Morphology	<a href="https://pubs.acs.org/doi/abs/10.1021/acs.jafc.6b03710">https://pubs.acs.org/doi/abs/10.1021/acs.jafc.6b03710</a>
2017	TC lee	Improved freeze drying efficiency by ice nucleation proteins with ice morphology modification	<a href="https://www.sciencedirect.com/science/article/pii/S0963996917308827">https://www.sciencedirect.com/science/article/pii/S0963996917308827</a>
2018	Lee, Ki-Bum	A biodegradable hybrid inorganic nanoscaffold for advanced stem cell therapy	<a href="https://www.nature.com/articles/s41467-018-05599-2">https://www.nature.com/articles/s41467-018-05599-2</a>
2018	Kuhn, Raskin	Grape polyphenols reduce gut-localized reactive oxygen species associated with the development of metabolic syndrome in mice.	<a href="https://www.biorxiv.org/content/biorxiv/early/2018/05/25/331348.full.pdf">https://www.biorxiv.org/content/biorxiv/early/2018/05/25/331348.full.pdf</a>
2018	Nagajyothi JF	Inhibition of ER Stress by 2-Aminopurine Treatment Modulates Cardiomyopathy in a Murine Chronic Chagas Disease Model	<a href="https://search.proquest.com/openview/c98409400dc08468068efee263cb90/1?cbl=405">https://search.proquest.com/openview/c98409400dc08468068efee263cb90/1?cbl=405</a>
2018	Shapses	Expression of vitamin D hydroxylases and bone quality in obese mice consuming saturated or monounsaturated enriched high-fat	<a href="https://www.ncbi.nlm.nih.gov/pubmed/30527254">https://www.ncbi.nlm.nih.gov/pubmed/30527254</a>
2018	Sinko	Evaluation of intraductal delivery of poly(ethylene glycol)-doxorubicin conjugate nanocarriers for the treatment of ductal carcinoma in situ (DCIS)-like lesions in rats	<a href="https://onlinelibrary.wiley.com/doi/full/10.1002/jin2.51">https://onlinelibrary.wiley.com/doi/full/10.1002/jin2.51</a>
2018	Mazzeo	Nozzle-based Additive Manufacturing of Fiber-filled Thermosets: A Case Study on Soft and Hard Materials	<a href="https://search.proquest.com/docview/2162905718?pq-origsite=gscholar&amp;fromopenview">https://search.proquest.com/docview/2162905718?pq-origsite=gscholar&amp;fromopenview</a>
2019	Alder	BDNF Val66Met Genetic Polymorphism Results in Poor Recovery Following Repeated Mild Traumatic Brain Injury in a	<a href="https://www.frontiersin.org/articles/10.3389/fneur.2019.01175/full">https://www.frontiersin.org/articles/10.3389/fneur.2019.01175/full</a>
2019	Feng Geng	Predicting post-experiment fatigue among healthy young adults: Random forest regression analysis	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7007183/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7007183/</a>
2019	Fritton	Fructose affects the growth of long bones in mice independent of ketohexokinase	<a href="https://rucore.libraries.rutgers.edu/rutgers-lib/61008/">https://rucore.libraries.rutgers.edu/rutgers-lib/61008/</a>
2019	Fritton	In vivo characterization of a prevascularized, load-bearing scaffold for bone regeneration	<a href="https://rucore.libraries.rutgers.edu/rutgers-lib/61700/">https://rucore.libraries.rutgers.edu/rutgers-lib/61700/</a>
2019	Harris	Alleles of Insm1 determine whether RIP1-Tag2 mice produce insulinomas or nonfunctioning pancreatic neuroendocrine tumors	<a href="https://www.nature.com/articles/s41389-019-0127-1.pdf">https://www.nature.com/articles/s41389-019-0127-1.pdf</a>
2019	Minko	Strategy to enhance lung cancer treatment by five essential elements: inhalation delivery, nanotechnology, tumor-receptor targeting, chemo- and gene therapy	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6857061/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6857061/</a>
2019	Minko	Inhalation treatment of cystic fibrosis with lumacaftor and ivacaftor co-delivered by nanostructured lipid carriers	<a href="https://www.sciencedirect.com/science/article/pii/S0168365919300525">https://www.sciencedirect.com/science/article/pii/S0168365919300525</a>
2019	Rogers	Post-Transcriptional Bone Morphogenetic Protein 2 (BMP2) Gene Regulation in Aorta	<a href="https://www.biorxiv.org/content/10.1101/735852v1.abstract">https://www.biorxiv.org/content/10.1101/735852v1.abstract</a>

2020	Alder	APOE4 genetic polymorphism results in impaired recovery in a repeated mild traumatic brain injury model and treatment with Bryostatin-1 improves outcomes	<a href="https://www.nature.com/articles/s41598-020-76849-x">https://www.nature.com/articles/s41598-020-76849-x</a>
2020	Azzam, Howell, Fritton	Dose-Dependent Growth Delay of Breast Cancer Xenografts in the Bone Marrow of Mice Treated with 223Ra: The Role of Bystander Effects and Their Potential for Therapy	<a href="https://jnm.snmjournals.org/content/inumed/61/1/89.full.pdf">https://jnm.snmjournals.org/content/inumed/61/1/89.full.pdf</a>
2020	Fritton	Bone Growth is Influenced by Fructose in Adolescent Male Mice Lacking Ketohexokinase (KHK)	
2020	Laskin	Assessment of mustard vesicant lung injury and anti-TNF- $\alpha$ efficacy in rodents using live-animal imaging	<a href="https://nyaspubs.onlinelibrary.wiley.com/doi/full/10.1111/nyas.14525">https://nyaspubs.onlinelibrary.wiley.com/doi/full/10.1111/nyas.14525</a>
2020	Moghe	Shortwave Infrared-Emitting Theranostics for Breast Cancer Therapy Response Monitoring	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7575924/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7575924/</a>
2020	Moghe	Shortwave infrared emitting multicolored nanoprobes for biomarker-specific cancer imaging in vivo	<a href="https://link.springer.com/article/10.1186/s12885-020-07604-8">https://link.springer.com/article/10.1186/s12885-020-07604-8</a>
2020	Saghiri	Is maxillary diastema an appropriate site for implantation in rats? Inhibition of SREBP Improves Cardiac Lipidopathy, Improves Endoplasmic Reticulum Stress, and Modulates Chronic Chagas Fat Tissue Regulates the Pathogenesis and Severity of Cardiomyopathy in Murine Chagas Disease	<a href="https://journalimplantdent.springeropen.com/articles/10.1186/s40729-019-019-0">https://journalimplantdent.springeropen.com/articles/10.1186/s40729-019-0</a>
2020	Nagajyothi	Therapeutic Nanocarriers for Enhanced Drug Delivery: from Laboratory-Scale Formulation to Clinical-Scale Production	<a href="https://www.ahajournals.org/doi/full/10.1161/JAHA.119.014255">https://www.ahajournals.org/doi/full/10.1161/JAHA.119.014255</a>
2020	Nagajyothi	Therapeutic Nanocarriers for Enhanced Drug Delivery: from Laboratory-Scale Formulation to Clinical-Scale Production	<a href="https://www.biorxiv.org/content/10.1101/2020.11.25.397596v1.full.pdf">https://www.biorxiv.org/content/10.1101/2020.11.25.397596v1.full.pdf</a>
2020	Prud'homme	Post-transcriptional regulation of aortic calcification in KLOTHO deficient mice: impact of miR-145 and miR-378	<a href="https://dataspace.princeton.edu/handle/88435/dsp01w6634668x">https://dataspace.princeton.edu/handle/88435/dsp01w6634668x</a>
2020	Rogers	Breast intraductal nanoformulations for treating ductal carcinoma in situ I: Exploring metal-ion complexation to slow ciclopirox release, enhance mammary persistence and efficacy	<a href="https://www.biorxiv.org/content/10.1101/736330v4.full.pdf">https://www.biorxiv.org/content/10.1101/736330v4.full.pdf</a>
2020	Sinko	Luteinizing Hormone-Releasing Hormone (LHRH) Conjugated Magnetite Nanoparticles as MRI Contrast Agents for Breast Cancer Imaging	<a href="https://www.sciencedirect.com/science/article/pii/S0168365920302297">https://www.sciencedirect.com/science/article/pii/S0168365920302297</a>
2020	Soboyejo	by Deep Tumor-Penetrating and Slow Tumor-Clearing Chemotherapy: The Case of Tumor-Adhering Liposomes with Interstitial Drug Release	<a href="https://www.mdpi.com/2076-3417/10/15/5175">https://www.mdpi.com/2076-3417/10/15/5175</a>
2020	Sofou	Nanopolystyrene translocation and fetal deposition after acute lung exposure during late-stage pregnancy	<a href="https://pubs.acs.org/doi/pdf/10.1021/acs.molpharmaceut.9b00812">https://pubs.acs.org/doi/pdf/10.1021/acs.molpharmaceut.9b00812</a>
2020	Stapleton	Deep learning robotic guidance for autonomous vascular access	<a href="https://link.springer.com/article/10.1186/s12989-020-00385-9">https://link.springer.com/article/10.1186/s12989-020-00385-9</a>
2020	Yarmush	MicroRNA profiles in calcified and healthy aorta differ: therapeutic impact of miR-145 and miR-378	<a href="https://www-nature-com.proxy.libraries.rutgers.edu/articles/s42256-020-0148-776598">https://www-nature-com.proxy.libraries.rutgers.edu/articles/s42256-020-0148-776598</a>
2020	Rogers		<a href="https://journals.physiology.org/doi/full/10.1152/physiolgenomics.00074.2020">https://journals.physiology.org/doi/full/10.1152/physiolgenomics.00074.2020</a>
2021	Guers	The addition of naltrexone alters cerebral glucose uptake following acute forced swimming	<a href="https://www.sciencedirect.com/science/article/pii/S0031938420305138">https://www.sciencedirect.com/science/article/pii/S0031938420305138</a>
2021	Shapley	Heel estimate during pressure-driven drainage of gels from tanks	<a href="https://www.sciencedirect.com/science/article/pii/S0009250920306904">https://www.sciencedirect.com/science/article/pii/S0009250920306904</a>
2021	Hatafi	Gadolinium-labeled affibody-XTEN recombinant vector for detection of HER2+ lesions of ovarian cancer lung metastasis	<a href="https://www.sciencedirect.com/science/article/pii/S0168365921003655">https://www.sciencedirect.com/science/article/pii/S0168365921003655</a>
2021	Azzam	Modeling bystander effects that cause growth delay of breast cancer xenografts in bone marrow of mice treated with radium-	<a href="https://www.tandfonline.com/doi/figure/10.1080/09553002.2021.1951392?scroll=top&amp;n">https://www.tandfonline.com/doi/figure/10.1080/09553002.2021.1951392?scroll=top&amp;n</a>
2021	Tischfield	The growth and expansion of meningeal lymphatic networks are affected in craniosynostosis	<a href="https://www.biorxiv.org/content/10.1101/2021.08.27.457986v1.full">https://www.biorxiv.org/content/10.1101/2021.08.27.457986v1.full</a>
2021	Nagajyothi	Fat tissue regulates the pathogenesis and severity of cardiomyopathy in murine chagas disease	<a href="https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0008964">https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0008964</a>
2021	Moghe	Extracellular vesicle molecular signatures characterize metastatic dynamicity in ovarian cancer	<a href="https://www.biorxiv.org/content/10.1101/2021.04.22.440951v1.full">https://www.biorxiv.org/content/10.1101/2021.04.22.440951v1.full</a>