

June 01, 2019	<a href="#">A near-infrared turn-on probe for in vivo chemoselective photoacoustic detection of fluoride ion</a>	The detection of fluoride ion (F <sup>-</sup> ) in living subjects is of value for healthcare and environmental fields.
January 21, 2019	<a href="#">Targeting the perivascular niche sensitizes disseminated tumour cells to chemotherapy</a>	The presence of disseminated tumour cells (DTCs) in bone marrow is predictive of poor metastasis-free survival of patients with breast cancer with loc
January 01, 2019	<a href="#">Radioembolization of Hepatocellular Carcinoma with Built-In Dosimetry: First in vivo Results with Uniformly-Sized, Biodegradable Microspheres Labeled with 188 Re</a>	A common form of treatment for patients with hepatocellular carcinoma (HCC) is transarterial radioembolization (TARE) with non-degradable glass or res
January 01, 2019	<a href="#">Imaging of the Mouse Lymphatic Sinus during Early Stage Lymph Node Metastasis Using Intranodal Lymphangiography with X-ray Micro-computed Tomography</a>	Purpose: Lymph node (LN) metastasis is detected prior to distant metastasis in many types of cancer.
December 24, 2018	<a href="#">Inflammation-Induced Intra-Amniotic inflammation induces preterm birth by Activating the NLRP3 inflammasome†</a>	m labor and birth, the leading cause of perinatal mortality and morbidity worldwide.
December 12, 2018	<a href="#">Multimodality cellular and molecular imaging of concomitant tumour enhancement in a syngeneic mouse model of breast cancer metastasis</a>	
December 10, 2018	<a href="#">Species-dependent extracranial manifestations of a brain seeking breast cancer cell line</a>	Purpose Metastatic brain tumors pose a severe problem in the treatment of patients with breast carci- noma.
December 05, 2018	<a href="#">Persistent reduction in sialylation of cerebral glycoproteins following postnatal inflammatory exposure</a>	Background: The extension of sepsis encompassing the preterm newborn's brain is often overlooked due to technical challenges in this highly vulnerable
December 04, 2018	<a href="#">Caspase Cleavage of Gelsolin Is an Inductive Cue for Pathologic Cardiac Hypertrophy</a>	Background—Cardiac hypertrophy is an adaptive remodeling event that may improve or diminish contractile performance of the heart.
November 19, 2018	<a href="#">Noninvasive quantification of oxygen saturation in the portal and hepatic veins in healthy mice and those with colorectal liver metastases using QSM MRI</a>	Purpose: This preclinical study investigated the use of QSM MRI to noninvasively measure venous oxygen saturation (SvO <sub>2</sub> ) in the hepatic and portal vei

October 12, 2018	<a href="#">Repurposing simvastatin as a therapy for preterm labor: evidence from preclinical models</a>	Preterm birth (PTB), the leading cause of neonatal morbidity and mortality, urgently requires novel therapeutic agents.
June 19, 2018	<a href="#">The oncolytic Adenovirus XVir-N-31 as a novel therapy in muscle-invasive bladder cancer</a>	Muscle-invasive bladder cancer represents approximately 25% of patients diagnosed with bladder cancer and carries a significant risk of death.
January 01, 2018	<a href="#">Cranial irradiation increases tumor growth in experimental breast cancer brain metastasis</a>	© 2018 John Wiley & Sons, Ltd.
January 01, 2018	<a href="#">Repeated administrations of cardiac progenitor cells are superior to a single administration of an equivalent cumulative dose</a>	BACKGROUND We have recently found that 3 repeated doses (12×10 <sup>6</sup> each) of c-kit <sup>POS</sup> cardiac progenitor cells (CPCs) were markedly more effective than a si
January 01, 2018	<a href="#">Caveolin1 Identifies a Specific Subpopulation of Cerebral Cortex Callosal Projection Neurons (CPN) Including Dual Projecting Cortical Callosal/Frontal Projection Neurons (CPN/FPN)</a>	The neocortex is composed of many distinct subtypes of neurons that must form precise subtype-specific connections to enable the cortex to perform com
January 01, 2018	<a href="#">Touch and tactile neuropathic pain sensitivity are set by corticospinal projections</a>	Current models of somatosensory perception emphasize transmission from primary sensory neurons to the spinal cord and on to the brain <sup>1–4</sup> .
January 01, 2018	<a href="#">Selective inhibition of the lactate transporter MCT4 reduces growth of invasive bladder cancer</a>	Introduction & Objectives: The significance of lactate transporters has been recognized in various cancer types, but their role in urothelial carcinom
January 01, 2018	<a href="#">Modulation of neuroinflammation and memory dysfunction using percutaneous vagus nerve stimulation in mice</a>	Background: The vagus nerve is involved in regulating immunity and resolving inflammation.
January 01, 2018	<a href="#">Mesopore-Induced Aggregation of Cobalt Protoporphyrin for Photoacoustic Imaging and Antioxidant Protection of Stem Cells</a>	With the ever-accelerating development of functional materials design and fabrication, various nanomaterial-based molecular imaging platforms with imp
January 01, 2018	<a href="#">Phosphatidylserine targeted single-walled carbon nanotubes for photothermal ablation of bladder cancer</a>	© 2017 IOP Publishing Ltd.

July 01, 2017	<a href="#">Metabotropic glutamate receptor 5 mediates the suppressive effect of 6-OHDA-induced model of Parkinson's disease on liver cancer</a>	Numerous epidemiological studies suggested that there is a variable cancer risk in patients with Parkinson's disease (PD).
May 01, 2017	<a href="#">Activation of EphA1-Epha receptor axis attenuates diabetic nephropathy in mice</a>	The Eph family of receptor tyrosine kinases serves as key modulators of various cellular functions, including inflammation, hypertrophy and fibrosis.
April 03, 2017	<a href="#">A novel treatment for metastatic lymph nodes using lymphatic delivery and photothermal therapy</a>	Systemic delivery of an anti-cancer agent often leads to only a small fraction of the administered dose accumulating in target sites.
March 16, 2017	<a href="#">Repeated doses of cardiac mesenchymal cells are therapeutically superior to a single dose in mice with old myocardial infarction</a>	We have recently demonstrated that repeated administrations of c-kit <sup>POS</sup> cardiac progenitor cells (CPCs) have cumulative beneficial effects in rats with
March 01, 2017	<a href="#">Murine ultrasound-guided transabdominal para-aortic injections of self-assembling type I collagen oligomers</a>	Abdominal aortic aneurysms (AAAs) represent a potentially life-threatening condition that predominantly affects the infrarenal aorta.
February 02, 2017	<a href="#">Stellate cells drive maturation of the entorhinal-hippocampal circuit</a>	The neural representation of space relies on a network of entorhinal-hippocampal cell types with firing patterns tuned to different abstract features
February 01, 2017	<a href="#">Single-Cell Analysis of SMN Reveals Its Broader Role in Neuromuscular Disease</a>	The mechanism underlying selective motor neuron (MN) death remains an essential question in the MN disease field.
January 01, 2016	<a href="#">Acquisition of Cholangiocarcinoma Traits during Advanced Hepatocellular Carcinoma Development in Mice</a>	Past studies have identified hepatic tumors with mixed hepatocellular carcinoma (HCC) and cholangiocarcinoma (CC) characteristics that have a more agg
January 01, 2016	<a href="#">Intrathymic injection of hematopoietic progenitor cells establishes functional T cell development in a mouse model of severe combined immunodeficiency</a>	BACKGROUND Even though hematopoietic stem cell transplantation can be curative in patients with severe combined immunodeficiency, there is a need for

January 01, 2016	<a href="#">Ultrasound-mediated delivery and distribution of polymeric nanoparticles in the normal brain parenchyma and melanoma metastases</a>	The blood-brain barrier (BBB) prevents the passage of nearly all drugs into the brain, hindering brain cancer treatment.
January 01, 2016	<a href="#">Mechanical behavior and matrix gene expression in the aneurysm-prone thoracic aorta of newborn lysyl oxidase knockout mice.</a>	Mutations in lysyl oxidase (LOX) are associated with thoracic aortic aneurysm and dissection (TAAD). Mice that do not express Lox (Lox <sup>-/-</sup> )
January 01, 2016	<a href="#">Dynamic weight bearing analysis is effective for evaluation of tendinopathy using a customized corridor with multi-directional force sensors in a rat model</a>	Few studies discuss kinetic changes in tendinopathy models.
January 01, 2016	<a href="#">Tissue-directed Implantation Using Ultrasound Visualization for Development of Biologically Relevant Metastatic Tumor Xenografts</a>	Background: Advances in cancer therapeutics depend on reliable in vivo model systems.
January 01, 2016	<a href="#">Monitoring of Blood Vessel Density Using Contrast-Enhanced High Frequency Ultrasound May Facilitate Early Diagnosis of Lymph Node Metastasis</a>	Time-dependent alterations in the ultrasonography characteristics of lymph nodes during early-stage metastasis have not been compared with those of tu
January 01, 2016	<a href="#">CD8<math>\alpha</math> intraepithelial lymphocytes arise from two main thymic precursors</a>	TCR $\alpha\beta$ +CD4-CD8 $\alpha$ +CD8 $\beta$ - intestinal intraepithelial lymphocytes (CD8 $\alpha$ IELs) are an abundant population of thymus-derived T cells that protect the gut bar
January 01, 2016	<a href="#">Establishment of highly metastatic KRAS mutant lung cancer cell sublines in long-term three-dimensional low attachment cultures</a>	Decreased cell-substratum adhesion is crucially involved in metastasis.
January 01, 2016	<a href="#">User-independent diffusion tensor imaging analysis pipelines in a rat model presenting ventriculomegalia: A comparison study</a>	Automated analysis of diffusion tensor imaging (DTI) data is an appealing way to process large datasets in an unbiased manner.
January 01, 2016	<a href="#">Photoacoustic Imaging of Embryonic Stem Cell-Derived Cardiomyocytes in Living Hearts with Ultrasensitive Semiconducting Polymer Nanoparticles</a>	Human embryonic stem cell-derived cardiomyocytes (hESC-CMs) have become promising tools to repair injured hearts.

January 01, 2015	<a href="#">Free-hand ultrasound guidance permits safe and efficient minimally invasive intrathymic injections in both young and aged mice</a>	The goal of this study was to evaluate whether use of an aseptic free-hand approach to ultrasound-guided injection facilitates injection into the thym
November 06, 2013	<a href="#">Selective Permeabilization of the Blood-Brain Barrier at Sites of Metastasis</a>	BACKGROUND: Effective chemotherapeutics for primary systemic tumors have limited access to brain metastases because of the blood-brain barrier (BBB).
May 16, 2012	<a href="#">In vivo Ultrasound and Photoacoustic Monitoring of Mesenchymal Stem Cells Labeled with Gold Nanotracers</a>	Longitudinal monitoring of cells is required in order to understand the role of delivered stem cells in therapeutic neovascularization.
January 01, 2011	<a href="#">ROR Beta induces barrel-like neuronal clusters in the developing neocortex</a>	Neurons in layer IV of the rodent whisker somatosensory cortex are tangentially organized in periodic clusters called barrels, each of which is innerv
June 01, 2011	<a href="#">Effects of a synthetic PEG-ylated Tie-2 agonist peptide on endotoxemic lung injury and mortality.</a>	PURPOSE: To develop targeted molecular imaging probes for the noninvasive detection of breast cancer lymph node metastasis.
January 01, 2010	<a href="#">Echocardiography-Guided Intramyocardial Injection Method in a Murine Model</a>	Cardiac regenerative therapy has received attention as a potentially revolutionary approach for treating the damaged heart.
January 01, 2010	<a href="#">Development of an orthotopic human pancreatic cancer xenograft model using ultrasound guided injection of cells.</a>	Mice have been employed as models of cancer for over a century, providing significant advances in our understanding of this multifaceted family of dis
January 01, 2010	<a href="#">High-Resolution Ultrasound in Research of Mouse Orthotopic Glioma and Ultrasound-Guided Cell Implant</a>	The purpose is to evaluate the feasibility of imaging mouse brain with high resolution ultrasound (HiRes US), and generation of mouse brain tumor (gli
January 01, 2009	<a href="#">An alternative method for intrathymic injections in mice</a>	The thymus is a bi-lobed lymphatic organ located in the anterior portion of the ventral thoracic cavity, just behind the sternum.