InSyTe FLECT/CT Publication List

Current as of November 2022

This list incorporates all publications using FLECT technology, as of 11.2022.

1. Asya Levina et al ,Journal of Drug Delivery Science and Technology 75 (2022) 103612
In vivo hypotensive effect of aminosilanol-based nanocomposites bearing antisense oligonucleotides
https://doi.org/10.1016/j.jddst.2022.103612

2. Hak Soo Choi et al ,Biomaterials Research (2022) 26:51
P800SO3-PEG: a renal clearable bone-targeted fuorophore for theranostic imaging
https://doi.org/10.1186/s40824-022-00294-2

3. Yi Yang et al ,ACS Applied Materials & Interfaces 2022 14 (30), 34328-34341
Redox-Unlockable Nanoparticle-Based MST1 Delivery System to Attenuate Hepatic Steatosis via the AMPK/SREBP-1c Signaling Axis
https://doi.org/10.1021/acsami.2c05889

4. Kang et al., Advanced Materials 2022; 34, 2106500
Tumor-Associated Immune-Cell-Mediated Tumor-Targeting Mechanism with NIR-II Fluorescence Imaging
https://doi.org/10.1002/adma.202106500

5. Sun et al., Advanced Science 2021, 8, 2102256
A Versatile Theranostic Platform for Colorectal Cancer Peritoneal Metastases: Real-Time Tumor-Tracking and Photothermal-Enhanced Chemotherapy
https://doi.org/10.1002/advs.202102256

6. Jiang et al., Advanced Science 2021, 8, 2003706
Reversible Treatment of Pressure Overload-Induced Left Ventricular Hypertrophy through Drd5 Nucleic Acid Delivery Mediated by Functional Polyaminoglycoside
https://doi.org/10.1002/advs.202003706

7. Popova et al., Biomedicines 2021; 9(74)
Rational Design of Albumin Theranostic Conjugates for Gold Nanoparticles Anticancer Drugs: Where the Seed Meets the Soil?
https://doi.org/10.3390/biomedicines9010074

8. Li et al., Bioactive Materials 2021; 6:794-809
Cyanine conjugates in cancer theranostics
https://doi.org/10.1016/j.bioactmat.2020.09.009

9. Shi et al., Bioconjugate Chemistry 2020; 31(11):2576-2584
Multifunctional Transferrin Encapsulated GdF3 Nanoparticles for Sentinel Lymph Node and Tumor Imaging
https://doi.org/10.1021/acs.bioconjchem.0c00514

10. Li et al., Advanced Healthcare Materials 2020; e2001327
Cyanine Conjugate-Based Biomedical Imaging Probes
https://doi.org/10.1002/adhm.202001327

11. Li et al., Hepatology International 2020
Exosomal miR- 199a- 5p promotes hepatic lipid accumulation by modulating MST1 expression and fatty acid metabolism
https://doi.org/10.1007/s12072-020-10096-0

12. Wang et al., Journal of Materials Chemistry B, 2020; 8:6877-6885
Theranostics system caged in human serum albumin against breast tumor
https://doi.org/10.1039/D0TB00377H

13. Shi et al., ACS Omega 2019; 4:5310-5316
64Cu-Based Pretargeted Immuno-Positron Emission Tomography and Near-Infrared Fluorescence Imaging of the Vascular Endothelial Growth Factor
https://doi.org/10.1021/acsomega.9b00158

14. Sun et al., Biomaterials 2019; 204:46-58
Pre-blocked molecular shuttle as an in-situ real-time theranostics
https://doi.org/10.1016/j.biomaterials.2019.02.019

15. Hu et al., Journal of Materials Chemistry B, 2018, 6:6122-6132
Targeted dual-mode imaging and phototherapy of tumors using ICG-loaded multifunctional MWCNTs as a versatile platform
https://doi.org/10.1039/C8TB01870G

16. Sun et al., Biomaterials 2018; 183:268-279
A targeting theranostics nanomedicine as an alternative approach for hyperthermia perfusion
https://doi.org/10.1016/j.biomaterials.2018.04.016

17. Popova et al., Bioorganic & Medicinal Chemistry Letters 2018; 28(3):260-264
Biotin-decorated anti-cancer nucleotide theranostic conjugate of human serum albumin: Where the seed meets the soil?
https://doi.org/10.1016/j.bmcl.2017.12.061

18. Lisitskiy et al., Bioorganic & Medicinal Chemistry Letters 2017; 27(16):3925-3930
Multifunctional human serum albumin-therapeutic nucleotide conjugate with redox and pH-sensitive drug release mechanism for cancer theranostics
https://doi.org/10.1016/j.bmcl.2017.05.084

19. Yap et al., Theranostics 2017; 7(10):2565- 2574
Targeting activated platelets: a unique and potentially universal approach for cancer imaging
https://doi.org/10.7150/thno.19900

20. Lim et al., Theranostics 2017; 7(5):1047-1061
A unique recombinant fluoroprobe targeting activated platelets allows in vivo detection of arterial thrombosis and pulmonary embolism using a novel three-dimensional fluorescence emission computed tomography (FLECT) technology
https://doi.org/10.7150/thno.18099

21. Htun et al., Nature Communications 2017; 8(75):1-16
Near-infrared autofluorescence induced by intraplaque hemorrhage and heme degradation as marker for high-risk atherosclerotic plaques
https://doi.org/10.1038/s41467-017-00138-x

22. Guilleminault et al., Journal of Controlled Release 2014; 196:344-354
Fate of inhaled monoclonal antibodies after the deposition of aerosolized particles in the respiratory system
https://doi.org/10.1016/j.jconrel.2014.10.003

CT only publications as of 02.13.2020

1. Yu et al., J. Cancer Letters 2020; 474:23-25
Disruption of the EGFR-SQSTM1 interaction by a stapled peptide suppresses lung cancer via activating autophay and inhibiting EGFR signaling
https://doi.org/10.1016/j.canlet.2020.01.004

2. Zvejniece, et al., J. Neurotrama 2020; 37:295-304
Skull fractures induce neuroinflammation and worsen outcomes after closed head injury in mice
https://doi.org/10.1089/neu.2019.6524

3. Li et al., Animal Model Exp. Med. 2019; 2:291-296
Downregulation of HNRNPK in human cancer cells inhibits lung metastasis
https://doi.org/10.1002/ame2.12090

4. Bardakhanov et al., App. Acoustics 2018; 139:69-74
Hybrid sound-absorbing foam materials with nanostructured grit-impregnated pores
https://doi.org/10.1016/j.apacoust.2018.04.024