

Title	Journal	Link	Publication date	References	Top Paper
Protocol to detect and quantify tumor hypoxia in mice using photoacoustic imaging	STAR Protocols		2024	Tao, Dai, Laurie J., Rich, Mukund, Seshadri, Subhamoy, Dasgupta	Yes
Ultrasound and Microbubble-Induced Reduction of Functional Vasculature Depends on the Microbubble, Tumor Type and Time After Treatment	Ultrasound in Medicine and Biology		2025	Sofie, Snipstad, Caroline, Einen, Andrea Berge, Kastellet, Jessica Lage, Fernandez, Melina, Mühlenfordt, Anna, Kurbatskaya, Charlotte, Årseth, Sigrid, Berg, Astrid, Bjørkøy, Catharina de Lange, Davies	Yes
An injectable nanocomposite hydrogel with deep penetration ability for enhanced photothermal and chemotherapy	Journal of Colloid and Interface Science		2025	Yun, Chen, Ziteng, Fan, Wenyu, Xu, Ziyi, Zhu, Zhen, Tan, Yaqin, Hu, Irma, Kurznis, Nadezhda, Cherdynseva, Wen Jing, Yang, Lianhui, Wang	Yes
In Vivo Ultrasound and Photoacoustic Imaging of Nanoparticle-Engineered T Cells and Post-Treatment Assessment to Guide Adoptive Cell Immunotherapy	ACS Nano		2025	Kelsey P., Kubelick, Jinhwan, Kim, Myeongsoo, Kim, Xinyue, Huang, Chenxiao, Wang, Seoyoon, Song, Younan, Xia, Stanislav Y., Emelianov	Yes
Heterogeneous tumor blood oxygenation dynamics during phototherapy deciphered with real-time label-free photoacoustic imaging	npj Acoustics		2025	Andrew, Langley, Allison, Sweeney, Ronak T., Shethia, Brooke, Bednarke, Faizah, Wulandana, Marvin, Xaviersevan, Srivalleesha, Malindi	Yes
Theranostic Phthalocyanine and Naphthalocyanine Nanoparticles for Photoacoustic Imaging and Photothermal Therapy of Tumors	Nanotheranostics		2024	Yiran, Tian, Nicole, Carrillo-Malani, Kailin, Feng, Joann, Miller, Theresa M., Busch, Karthik M., Sundaram, Zhiliang, Cheng, Ahmad, Amirshaghghi, Andrew, Tsourkas	Yes
A simple and robust nanosystem for photoacoustic imaging of bladder cancer based on c5p1-targeted gold nanorods	Journal of Nanobiotechnology		2023	Massimo, Alfano, Elisa, Alchera, Angelina, Sacchi, Alessandro, Gori, Giacomo, Quilici, Irene, Locatelli, Chiara, Venegoni, Roberta, Luciano, Anna Maria, Gasparri, Barbara, Colombo, Giulia, Taib, Jithin, Jose, Paolo, Armanetti, Luca, Menichetti, Giovanna, Musco, Andrea, Salonia, Angelo, Corti, Flavio, Curnis	Yes
Carbon dots-mediated synthesis of gold nanodendrites with extended absorption into NIR-II window for in vivo photothermal therapy	Journal of Nanobiotechnology		2023	Guoyong, Liu, Shuxian, Wang, Shumin, Wang, Rongrong, Wu, Hui, Li, Menglei, Zha, Jibin, Song, Yuxin, Yin, Kai, Li, Jing, Mu, Yu, Shi	Yes
Dual Nanzyme-Driven PtSn Bimetallic Nanoclusters for Metal-Enhanced Tumor Photothermal and Catalytic Therapy	ACS Nano		2023	Yanlin, Zhu, Ruoxi, Zhao, Lili, Feng, Chen, Wang, Shuming, Dong, Mikhail V., Zuyuzin, Alexander, Timin, Narisa, Hu, Bin, Liu, Piaoping, Yang	Yes
Combination Therapy with a Bispecific Antibody Targeting the hERG1/β1 Integrin Complex and Gemcitabine in Pancreatic Ductal Adenocarcinoma	Cancers	http://www.ncbi.nlm.nih.gov/pubmed/37046674	2023	Tiziano, Lottini, Claudia, Duranti, Jessica, Iorio, Michele, Martinelli, Rossella, Colasurdo, Franco Nicolás, D'Alessandro, Matteo, Buonamici, Stefano, Coppola, Valentina, Devescovi, Vincenzo, La Vaccara, Alessandro, Coppola, Roberto, Coppola, Elena, Lastraioli, Annarosa, Arcangeli	Yes
Generation of liver metastases in a mouse model using ultrasound-guided intravenous injection	STAR Protocols	https://linkinghub.elsevier.com/retrieve/pii/S2666166723001211	2023	Amanda, Labora, Hailey, Lee, Charlotte, Chan, Erin, Tabornal, Thuc, Le, Khalid, Rashid, Evan, Abt, Takanobu, Yamao, Hanna, Mandl, Amanda, Creech, Alykhan, Premji, Luyi, Li, Jason, Link, Nanping, Wu, Caius, Radu, Timothy, Donahue	Yes
Assessment of Transarterial Chemoembolization Using Super-resolution Ultrasound Imaging and a Rat Model of Hepatocellular Carcinoma	Ultrasound in Medicine & Biology	https://doi.org/10.1016/j.ultrasmedbio.2023.01.021	2023	Katherine G. Brown, Junjie, Li, Ryan, Margolis, Brian, Trinh, John R., Eisenbrey, Kenneth, Hoyt	Yes
Early diagnosis of bladder cancer by photoacoustic imaging of tumor-targeted gold nanorods	Photoacoustics	https://www.sciencedirect.com/science/article/pii/S2213597922000659?via%3DIuhub	2022	Elisa, Alchera, Matteo, Monieri, Mirko, Maturi, Irene, Locatelli, Erica, Locatelli, Silvia, Tortorella, Angelina, Sacci, Angelo, Corti, Manuela, Nebuloni, Roberta, Luciano, Filippo, Pederzoli, Francesco, Montorsi, Andrea, Salonia, Sandra, Meyer, Jithin, Jose, Pierangela, Giustetto, Mauro Comes, Franchina, Flavio, Curnis, Massimo, Alfano	Yes
Magnetic black phosphorus microbubbles for targeted tumor theranostics	Nanophotonics	https://www.degruyter.com/document/doi/10.1515/nanoph-2021-0085/html	2021	Yao, Zhu, Yingying, Liu, Zhongjian, Xie, Tianzhen, He, Lili, Su, Fengjuan, Guo, Gulzira, Arkin, Xiaoshu, Lai, Jinfeng, Xu, Han, Zhang	Yes
Morphological, functional, and molecular assessment of breast cancer bone metastases by experimental ultrasound techniques compared with magnetic resonance imaging and histological analysis	Bone	https://www.sciencedirect.com/science/article/pii/S8756328220306098?via%3DIuhub#...	2021	Henrik, Heinen, Lisa, Seyler, Vanessa, Popp, Konstantin, Hellwig, Alaine, Bozec, Michael, Uder, Stephan, Elmman, Tobias, Bäuerle	Yes
Cysteine depletion induces pancreatic tumor ferroptosis in mice	Science		2020	Michael A., Badgley, Daniel M., Kremer, H., Carlo Maurer, Kathleen E., DelGiorno, Ho Joon, Lee, Vinee, Purohit, Irina R., Sagalovskiy, Alice, Ma, Jonathan, Kapilian, Christina E.M., Firi, Amanda R., Decker, Steve A., Sastra, Carmine F., Palermo, Leonardo R., Andrade, Peter, Sajjakulnukit, Li, Zhang, Zachary P., Tolstyka, Tal, Hirschhorn, Candice, Lamb, Tong, Liu, Wei, Gu, E. Scott Seeley, Everett, Stone, George, Georgiou, Uri, Manor, Alina, Iuga, Geoffrey M., Wahl, Brent R., Stockwell, Costas A., Lysiotis, Kenneth P., Olive	Yes
Contrast-Enhanced Multispectral Photoacoustic Imaging for Irregular Hepatectomy Navigation: A Pilot Study	ACS Biomaterials Science & Engineering	https://pubs.acs.org/doi/10.1021/acsbmaterials.0c00921	2020	Yueming, Zhang, Jing, Lv, Pingguo, Liu, Xingyang, Zhao, Kang, Chen, Qiaolin, Li, Liming, Nie, Chihua, Fang	Yes
Tetrazine-Derived Near-Infrared Dye as a Facile Reagent for Developing Targeted Photoacoustic Imaging Agents	Molecular Pharmaceutics		2020	Samantha, Slikboer, Zoya, Naperstkov, Nancy, Janzen, Amber, Faraday, Johannes, Soenjaya, Johann, Le Floc'h, Salma, Al-Karmi, Rowan, Swann, Kevin, Wyszatko, Christine E. M., Demore, Stuart, Foster, John F., Valliant	Yes
Quantification of Murine Pancreatic Tumors by High-Resolution Ultrasound	Methods in Molecular Biology	http://link.springer.com/10.1007/978-1-62703-287-2	2013	Stephen A., Sastra, Kenneth P., Olive	Yes
Spectral Signatures in the Different Layers of the Human Eyelid by Photoacoustic Imaging	Lasers in Surgery and Medicine	https://onlinelibrary.wiley.com/doi/abs/10.1002/lsm.23148	2020	Ulf, Dahlstrand, Rafi, Sheikh, Johanna, Berggren, Jenny, Hult, John, Albinsson, Magnus, Cinthio, Malin, Malmström	Yes
Indocyanine Green I Aggregates in Polymersomes for Near-Infrared Photoacoustic Imaging	ACS Applied Materials & Interfaces	https://pubs.acs.org/doi/10.1021/acsaami.9b14519	2019	Behzad, Chantalvaie, Sangheon, Han, Ehsan, Moaseri, Federica, Scaletti, Lauren, Truong, Rosalie, Caplan, Alice, Cao, Richard, Bouchard, Thomas M., Truskett, Konstantin V., Sokolov, Keith P., Johnston	Yes
Label-free Visualization of Early Cancer Hepatic Micrometastasis and Intraoperative Image-guided Surgery by Photoacoustic Imaging	Journal of Nuclear Medicine	http://jnm.snmjournals.org/lookup/doi/10.2967/jnumed.119.233155	2019	Qian, Yu, Shanshan, Huang, Zhiyou, Wu, Jiadi, Zheng, Xiaoyuan, Chen, Liming, Nie	Yes
Development of a Human Photoacoustic Imaging Reporter Gene Using the Clinical Dye Indocyanine Green	Radiology: Imaging Cancer	http://pubs.rsna.org/doi/10.1148/rycan.2019190035	2019	Nivin N., Nyström, Lawrence C.M., Yip, Jeffrey J.L., Carson, Timothy J., Scholl, John A., Ronald	Yes
Evaluation of ductal carcinoma in situ grade via triple-modal molecular imaging of B7-H3 expression	npj Breast Cancer	http://dx.doi.org/10.1038/s41523-020-0158-y	2020	Sunitha, Bachawal, Gregory R., Bean, Gregor, Krings, Katherine E., Wilson	Yes
Assessment of Metastatic and Reactive Sentinel Lymph Nodes with B7-H3-Targeted Ultrasound Molecular Imaging: A Longitudinal Study in Mouse Models	Molecular Imaging and Biology	http://link.springer.com/10.1007/s11307-020-01478-9	2020	Fengyang, Zheng, Pan, Li, Sunitha V., Bachawal, Huajun, Wang, Chaolun, Li, Wei, Yuan, Beijing, Huang, Ramasamy, Paulmurugan	Yes
Photoacoustic Imaging Quantifies Drug Release from Nanocarriers via Redox Chemistry of Dye-Labeled Cargo	Angewandte Chemie International Edition	https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.201914120	2020	Ananthakrishnan Soundaram, Jeevarathinam, Jeanne E., Lesterer, Fang, Chen, Eric, Zhao, Jesse V., Jokest	Yes
Noninvasive monitoring of liver metastasis development via combined multispectral photoacoustic imaging and fluorescence diffuse optical tomography	International Journal of Biological Sciences	http://www.ijbs.com/v16p1616.htm	2020	Jonathan, Lavaud, Maxime, Henry, Pascal, Gayet, Arnold, Fertin, Julien, Voltaire, Yves, Usson, Jean-Luc, Coll, Véronique, Jossereand	Yes
Effect of increasing liver blood flow on nanodrug clearance by the liver for enhanced antitumor therapy	Biomaterials Science	http://xlink.rsc.org/?DOI=C8BM01371C	2019	Yongjing, Li, Jiaxun, Wan, Fang, Wang, Jia, Guo, Changchun, Wang	Yes
Serological biomarkers associate ultrasound characteristics of steatohepatitis in mice with liver cancer	Nutrition and Metabolism		2018	Guozhen, Cui, Robert C., Martin, Xing kai, Liu, Qianqian, Zheng, Harshul, Pandit, Ping, Zhang, Wei, Li, Yan, Li	Yes
Experimental imaging in orthotopic renal cell carcinoma xenograft models: comparative evaluation of high-resolution 3D ultrasonography, in-vivo micro-CT and 9.4T MRI	Scientific Reports		2017	Johannes, Linxweiler, Christina, Kärbel, Andreas, Müller, Eva, Jünger, Roman, Blaheta, Joana, Heinzlmann, Michael, Stöckle, Kerstin, Junker, Michael D., Menger, Matthias, Saar	Yes
Intraoperative Resection Guidance with Photoacoustic and Fluorescence Molecular Imaging Using an Anti-B7-H3 Antibody-Indocyanine Green Dual Contrast Agent	Clinical Cancer Research	http://doi.org/10.1158/1078-0432.CCR-18-0417	2018	Katherine E., Wilson, Sunitha V., Bachawal, Juergen K., Willmann	Yes
Spectroscopic photoacoustic molecular imaging of breast cancer using a B7-H3-targeted ICG contrast agent	Theranostics		2017	Katherine E., Wilson, Sunitha V., Bachawal, Lotfi, Abou-Elkacem, Kristen, Jensen, Steven, Mächtaaler, Lu, Tian, Jürgen K., Willmann	Yes

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Exploration of melanoma metastases in mice brains using endogenous contrast photoacoustic imaging	International Journal of Pharmaceutics	http://dx.doi.org/10.1016/j.ijpharm.2017.08.104	2017	Jonathan, Lavaud, Maxime, Henry, Jean Luc, Coll, Veronique, Jossereand	Yes
Assessment of murine colorectal cancer by micro-ultrasound using three dimensional reconstruction and non-linear contrast imaging	Molecular Therapy – Methods & Clinical Development	http://www.nature.com/articles/mtm201670	2016	Jessica L, Freeling, Khosrow, Rezvani	Yes
High Resolution Ultrasound and Photoacoustic Imaging of Orthotopic Lung Cancer in Mice: New Perspectives for Onco-Pharmacology	PLOS ONE	http://dx.plos.org/10.1371/journal.pone.0153532	2016	Florian, Raes, Julien, Sobilo, Marilyne, Le Mée, Stéphanie, Réfif, Sharuja, Natkunarajah, Stéphanie, Lerondel, Alain, Le Pape	Yes
Functional Flow Patterns and Static Blood Pooling in Tumors Revealed by Combined Contrast-Enhanced Ultrasound and Photoacoustic Imaging	Cancer Research	http://www.ncbi.nlm.nih.gov/pubmed/27325651	2016	Avinocam, Bar-Zion, Melissa, Yin, Dan, Adam, F Stuart, Foster	Yes
High-Frequency Ultrasound-Guided Injection for the Generation of a Novel Orthotopic Mouse Model of Human Thyroid Carcinoma	Thyroid	http://online.liebertpub.com/doi/10.1089/thy.2015.0511	2016	Adelaide, Greco, Sandra, Albanese, Luigi, Auletta, Peppino, Mirabelli, Antonella, Zannetti, Crescenzo, D'Alterio, Gennaro, Di Maro, Francesca Maria, Orlandella, Giuliana, Salvatore, Andrea, Soricelli, Marco, Salvatore	Yes
Co-option of Liver Vessels and Not Sprouting Angiogenesis Drives Acquired Sorafenib Resistance in Hepatocellular Carcinoma	Journal of the National Cancer Institute	http://jnci.oxfordjournals.org/lookup/doi/10.1093/jnci/djw030	2016	Elizabeth A., Kuczynski, Melissa, Yin, Avinoam, Bar-Zion, Christina R., Lee, Henriett, Butz, Shan, Man, Frances, Daley, Peter B., Vermeulen, George M., Yousef, F. Stuart, Foster, Andrew R., Reynolds, Robert S., Kerbel	Yes
Ultrasound biomicroscopy permits in vivo characterization of zebrafish liver tumors	Nature Methods	http://www.nature.com/dofinder/10.1038/nmeth1059	2007	Wolfram, Goessling, Trista E, North, Leonard I, Zon	Yes
Intraluminal gel ultrasound and eco-color doppler: new tools for the study of colorectal cancer in mice.	In vivo (Athens, Greece)	http://www.ncbi.nlm.nih.gov/pubmed/23812213	2013	Antonio, Barbieri, Maria Luisa, Barretta, Domenica, Rea, Carmine, Picone, Olimpia, Fabozzi, Giuseppe, Palma, Luciano, Antonio, Alessandro, Federico, Sabrina, Bimonte, Francesca, Setola, Elisabetta, De Lutio Di Castelguidone, Maria, Castellano, Adolfo Gallipoli, D'Errico, Michele, Caraglia, Claudio, Arra	Yes
Three-dimensional high-frequency ultrasound imaging for longitudinal evaluation of liver metastases in preclinical models.	Cancer research	http://www.ncbi.nlm.nih.gov/pubmed/15958568	2005	Kevin C. Graham, Lauren a, Wirtzfeld, Lisa T, MacKenzie, Carl O, Postenka, Alan C, Groom, Ian C, MacDonald, Aaron, Fenster, James C, Laceyfield, Ann F, Chambers	Yes
Assessment and Monitoring Tumor Vascularity With Contrast-Enhanced Ultrasound Maximum Intensity Persistence Imaging	Investigative Radiology		2011	Marybeth A, Pysz, Kira, Foygel, Cedric M, Panje, Andrew, Needles, Lu, Tian	Yes
Volume measurement variability in three-dimensional high-frequency ultrasound images of murine liver metastases	Physics in Medicine and Biology	http://www.ncbi.nlm.nih.gov/pubmed/16675858	2006	L a, Wirtzfeld, K C, Graham, a C, Groom, I C, MacDonald, a F, Chambers, A, Fenster, J C, Laceyfield	Yes
Anti-VEGF therapy reduces intestinal inflammation in Endoglin heterozygous mice subjected to experimental colitis	Angiogenesis	http://www.ncbi.nlm.nih.gov/pubmed/24510304	2014	Daniela S, Ardelean, Melissa, Yin, Mirjana, Jerkic, Madonna, Peter, Bo, Ngan, Robert S, Kerbel, F Stuart, Foster, Michelle, Letarte	Yes
Hypoxia shapes both therapeutic response and resistance in metastatic clear cell renal cell carcinoma	Cancer Cell		2026	Lynda, Vuong, Andrew E., Cornish, Jennifer, Pfeil, Yash, Khandwala, Hui, Jiang, Doris X.T., Zheng, Eduardo A., Mascareno, Nicole, Rittenhouse, Phillip M., Rappold, Josef, Leibold, Erich A., Sabio, Kate, Weiss, Carlene, Gonzalez, Liangliang, Ji, Jing, Zhang, Mojca, Adlesic, Oguz, Akin, Jessica, Flynn, Chirag, Krishna, Andrea, Lopez Sanmiguel, Rebecca A., Sager, Tiak J., Tan, Alejandro, Sanchez, Renzo G., Di Natale, Kyle A., Blum, Paul, Russo, Jonathan A., Coleman, Ian J., Frew, Diego, Chowell, Ying Bei, Chen, David B., Solit, Irina, Ostrovskaya, Robert J., Motzer, Martin H., Voss, Ritesh R., Kotecha, Timothy A., Chan, Hartland W., Jackson, Fengshen, Kuo, Ming O., Li, A. Ari, Hakimi	No
A Bioorthogonal and Programmable Bacterial Delivery System for Spatiotemporally Targeted Therapy of Solid Tumors	Exploration		2025	Yu Jia, Wang, Wen Jie, Jiang, Hua Jun, Zhao, Jian Qun, Deng, Yi Min, Cai, Yi, Li, Xiao Lin, Meng, Jin, Hou, Feng Shan, Wang, Ju Zheng, Sheng	No
Contrasting temporal dynamics of fluorescence and photoacoustic signals from Cetuximab-IRDye800 conjugate in EGFR-overexpressing tumors	Sci. Adv	https://www.science.org	2026	Mohammad A, Saad, Derek, Allen, Allison, Sweeney, Marvin, Xaviersevan, Srivalleesha, Mallidi, Tayyaba, Hasan	No
Three-dimensional oxygen maps of tumors in real time - Analysis in the context of active tumor vasculature	Computer Methods and Programs in Biomedicine		2026	Gabriela, Dziurman, Natalia, Radzikowska, Agnieszka, Drzał, Aleksandra, Murzyn, Piotr, Swierzewski, Małgorzata, Szczygieł, Bożena, Romanowska-Dixon, Martyna, Krzykawska-Serda, Martyna, Elias	No
Lipid acid-engineered nanodroplets for multimodal imaging and enhanced sonodynamic therapy in melanoma treatment	Theranostics	https://www.thno.org/v16p5278.htm	2026	Ziyao, Wang, Yongchao, Yao, Ziyang, Feng, Yulong, Liao, Liyun, Wang, Xueyang, Xiao, Wenchuang, Hu, Zhiyong, Qian, Li, Qiu	No
Targeting GPR34 in damage-associated macrophages enhances anti-tumor immunity and the efficacy of Sunitinib in pancreatic cancer	Signal Transduction and Targeted Therapy		2026	Xiaofan, Guo, Yuxiao, Liu, Tianchen, Li, Xiaopeng, An, Yuning, Song, Peijun, Xu, Jing, Huang, Yiping, Zou, Bohang, Xu, Yongjie, Xie, Zekun, Li, Chenyang, Meng, Tiansuo, Zhao, Xuqiao, Wang, Hongwei, Wang, Chuntao, Gao, Xuan, Zhou, Jun, Yu, Song, Gao, Jihui, Hao	No
High-frequency ultrasound for microcirculation in metastatic mouse lymph node: contrast-free versus contrast-enhanced imaging	Scientific Reports		2025	Kazuki, Maeda, Masaaki, Omura, Ariunbuyan, Sukhbaatar, Tsuyoshi, Sugura, Tetsuya, Kodama	No
Inhibiting B cells enhances the efficacy of STING agonism or immune checkpoint blockade in hepatocellular carcinoma	Nature Communications		2025	Xin, Liu, Zelong, Liu, Chengzhan, Zhu, Tatsuya, Kobayashi, Pin Ji, Lei, Yue, Shi, Dandan, Yuan, Jianguo, Wang, Min, Li, Aya, Matsui, Kassiana, Mafra, Tomofumi, Ando, Ken, Kojo, Rieke, Schleinhage, Kento, Miyazaki, Peigen, Huang, Ming, Kuang, Lloyd, Bod, Dan G., Duda	No
A bypass gateway from cholesterol to sex steroid biosynthesis circumnavigates CYP17A1	Nature Communications		2025	Ziqi, Zhu, Yoon Mi, Chung, Mohammad, Alyamani, Yijing, Dai, Kevin D., McCarty, Evan, Roberts, Sunita, Sinha, Jianneng, Li, Xiuxiu, Li, Emad M., Gad, Zhiqun, Zhou, Jinyuan, Shi, Robert A., Burgess, Tatiana Y., Hargrove, Galina I., Lepesheva, F. Peter, Guengerich, Richard J., Auchus, Nima, Sharifi	No
From 2D to 3D: Automated ultrasound segmentation and cross-sectional validation in murine tumor models	Computer Methods and Programs in Biomedicine		2026	Weronika, Smolak-Dyżewska, Jerzy, Bazak, Wiktoria, Brandys, Aleksandra, Bienia, Aleksandra, Murzyn, Bartosz, Pióciennik, Gniewosz, Drwiega, Julia, Kozik, Agnieszka, Drzał, Bartosz, Leszczyński, Przemysław, Spurek, Martyna, Elias, Martyna, Krzykawska-Serda	No
Acoustic delivery of indocyanine green via biosynthetic gas vesicles for tumor photothermal therapy	PLOS Biology	https://dx.plos.org/10.1371/journal.pbio.3003786	2026	Jiaqi, Zhang, Licong, Huang, Shuhui, Wang, Jingwen, Ding, Yuping, Yang, Chenhui, Li, Ping, Zhao, Qian, Li, Fei, Yan	No
Implantable Microdevices for In Vivo Assessment of Chemotherapy Response in Patient Derived Organoid Orthotopic Pancreatic Cancer Models	Annals of Surgery	https://journals.lww.com/10.1097/SLA.0000000000000701	2026	Oliver J., Standing, Julien T., Hohenleitner, Lyudmyla, Demyan, Shruti, Koti, Nandan, Vithlani, Taemmoon, Chung, Amber N., Habowski, Taeheon, Ha, Sepideh, Gholami, James M., Crawford, Youngkyu, Park, Oliver, Jonas, Zhen, Zhao, Scott K., Lyons, Daniel A., King, David A., Tuveson, Matthew J., Weiss	No
Targeting the Notch1-YY1-ICAM1 Signaling Axis Enhances the Efficacy of Immunotherapy in HCC by Activating CD8+ T-Cell-Driven Cancer Cell Pyroptosis	Advanced Science		2025	Ke, Zhu, Fa Peng, Zhang, Chao, Qin, Zhi Xiao, Song, Cai Ni, Yang, Shu Sheng, Lin, Xian Huan, Yu, Wen Rui, Wu, Chao Qun, Liu, Chao, Liu, Lei Bo, Xu	No
Targeting tumor-intrinsic BCL9 reverses immunotherapy resistance by eliciting macrophage-mediated phagocytosis and antigen presentation	Nature Communications		2025	Sui Yi, Wu, Yuan Yuan, Zhu, Jia Lei, Sun, Chun Yan, Wang, Yu Lei, Wang, Yan Yan, Nie, Fei, Song, Xun, Huang, Zhong, Chen, Tian, He, Li An, Shen, Yang, Xu, Cheng, Huang, Shuang jian, Qiu, Jian, Zhou, Andrew X., Zhu, Jia, Fan, Di, Zhu, Bo, Hu, Xin Rong, Yang	No
Demonstration of SLU7 as a new cancer target	Biomedicine and Pharmacotherapy		2025	Carla, Rojo, Aaron, Otero, Maria, Elizalde, Maria, Azkona, Roberto, Barbero, Maria U., Latasa, Iker, Uriarte, Alvaro, Gutierrez-Uzquiza, Diego, Alignani, Laura, Guembe, Amaia, Lujambio, Fernando, Pastor, Maite G., Fernández-Barrena, Matias A., Avila, Maria, Archederra, Carmen, Berasain	No

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Local Delivery of miR-27a* Using Ultrasound-Targeted Microbubble Cavitation Inhibits Squamous Cell Carcinoma Growth	Ultrasound in Medicine and Biology		2026	Nikhil S., Chari, Cheng, Chen, Thiruganesh, Ramasamy, Xucai, Chen, Geetika, Wadhwa, Anurag N., Paranjape, Stephen Y., Lai, Flordeliza S., Villanueva	No
Magnetic hyperthermia using iron oxide nanoparticles via LODS suppressed lymph node and lung metastasis in a mouse model	Scientific Reports		2025	Akihiro, Kuwahata, Ariunbuyan, Sukhbaatar, Akihiro, Shikano, Loi, Tonthata, Takayuki, Kagami, Riku, Shinohara, Shiro, Mori, Shin, Yabukami, Tetsuya, Kodama	No
Development of Au/CuPzDz Nanocomposites as Therapeutic Agents: Enhancing Cancer Treatment through Autophagy Modulation and Immune-Associated Effects	ACS Applied Materials and Interfaces		2026	Li Xing, Yang, Yi Chun, Chiu, Yi Lun, Chen, Ting Ying, Chen, Yi Tseng, Tsai, Yu Cheng, Chin, Ya Ling, Yeh, Ying Jan, Wang, Chih Chia, Huang, Rong Jane, Chen, Mei Yi, Liao	No
Systematic design of combination therapy by targeting master regulators of coexisting diffuse midline glioma cell states	Nature Genetics		2026	Ester, Calvo Fernández, Lorenzo, Tomassoni, Xu, Zhang, Junqiang, Wang, Aleksandar, Obradovic, Pasquale, Laïse, Aaron T., Griffin, Lukas, Vlahos, Hanna E., Minns, Diana V., Morales, Christian, Simmons, Matthew, Gallitto, Hong Jian, Wei, Timothy J., Martins, Pamela S., Becker, John R., Crawford, Theophilos, Tzaridis, Robert J., Wechsler-Reya, James, Garvin, Robyn D., Gartrell, Luca, Szalontay, Stergios, Zacharoulis, Cheng Chia, Wu, Zhiguo, Zhang, Andrea, Califano, Jovana, Pavisic	No
Close-to-Patient Models for Gastric Cancer: From Patient-Derived Xenograft Towards a Novel Gastric Cancer Mini-Tumor Model	OncoTargets and Therapy		2026	Sarah K., Hakuno, Joëlle, Zonneveld, Stefanus G.T., Janson, Anthea, Van der Wielen, Eleonore B., Kuhlemajier, Maud, Steenbakkers, Leonie, Plug, Eveline, De Jonge-Muller, Eduard P., De Winter, Margaret R., De Vries, Tom, Van Wezel, Stijn, Grobachi, Lukas J.A.C., Hawinkels, Andrea, Vallés-Martí, Marije, Slingerland	No
Stretching inhibits tumor growth in MMTV-PYMT via a direct mechanical effect	BMC Biology	https://link.springer.com/10.1186/s12915-026-02543-5	2026	Lisbeth, Berrueta, Chandra, Bhan, Yi, He, Rebecca D., Thompson, Oscar, Safairad, Andrew D., Doyle, Paola, Pérez, Daniel, Martin, Mazen, Mezher, Alexander, Cartagena-Rivera, Gary J., Badger, Helene M., Langevin	No
O-GlcNAcylation expression predicts a favorable prognosis and mitigates malignant phenotypes via MYCN suppression in neuroblastoma	Molecular and Cellular Pediatrics		2026	Neng Yu, Lin, Hsiu Hao, Chang, Chia Yeh, Hsieh, Hsiu Ling, Chang, Wan Ling, Ho, Yen Lin, Liu, Pei Yi, Wu, Chi Tai, Yeh, Min Chuan, Huang, Wen Ming, Hsu	No
Ultrasound-propelled oncolytic biomimetic microbubbles as in situ vaccines reprogram tumor immunosuppressive microenvironment	Materials Today Bio		2026	Li, Wan, Ping, Liang, Chunyu, Xia, Liliang, Yu, Rui, Tang, Xintong, Li, Chenchen, Tang, Nianhong, Wu, Zeyan, Huang, Jimei, Chen, Ruqian, Fu, Mingke, Jiao, Jie, Hu, Pan, Li, Rui, Li	No
Enhanced Delivery of Lipid Nanoparticle-Based Immunotherapy by Modulating the Tumor Tissue Stiffness Using Ultrasound-Activated Nanobubbles	ACS nano		2026	Anubhuti, Bhalotia, Diarmuid W., Hutchinson, Theresa, Kosmidis, Pinunta, Nittayacharn, Meghna, Mehta, Arya, Iyer, Andrew, Cheplyansky, Koki H., Takizawa, Abraham, Nidhiry, Anna M., Dever, Kylie A., Cousens, Inga M., Hwang, Gopalakrishnan, Ramamurthy, Agata A., Exner, Efstathios, Karathanasis	No
Polymorphism control in crystalline clofazimine enables accelerated clinical translation of NIR-II phototheranostics	Acta Pharmaceutica Sinica B	https://linkinghub.elsevier.com/retrieve/pii/S2211383526001693	2026	Bowen, Fu, Xuanshang, Lu, Xiangyu, Pei, Jiantao, Meng, Yuhuan, Yang, Wei, Long, Hao, Zhai, Ying, Wan, Minshan, Guo, Yayun, Peng, Ting, Cai	No
Liposomal J-Aggregates of Indocyanine Green as a Multifunctional Contrast Agent for Photoacoustic Imaging and Photothermal Therapy	Nanotheranostics		2026	Noah, Stern, Binita, Shrestha, Susan, Burrell, James, Tunnel, Tyrone, Porter	No
Antitumor Activity of the Ethanolic Extract from Syzygium aromaticum in Colorectal Cancer Xenograft Mice	Pharmaceutics		2026	Thunyatorn, Yimsoo, Weerakit, Taychaworaditsakul, Hathaichanok, Chuntakaruk, Worapapar, Treesuppharat, Sumet, Kongkiatpaiboon, Apipuu, Ariyachayut, Sunee, Chansakaow, Teera, Chewonarin, Parirat, Khonsung, Seewaboon, Sireeratawong	No
Autophagy Plays a Suppressive Role in Bladder Tumor Formation in an Orthotopic Mouse Model and Bladder Cancer Patient Specimens	Kaohsiung Journal of Medical Sciences		2026	Wan Ting, Kuo, Chin Chen, Pan, Yi Wen, Liu, Nan Haw, Chow, Hong Lin, Cheng, Shan Ying, Wu, Sheng Hui, Lan, Chih Peng, Chang, Hsiao Sheng, Liu	No
In situ self-assembled cell reservoir hydrogel for maneuvering multistage radioimmunotherapy	Nature Communications	https://www.nature.com/articles/s41467-026-68490-5	2026	Yue, Chen, Qinyi, Chen, Yuanyuan, Ma, Cheng, Zhang, Jie, Xu, Kejing, Li, Yajie, Sun, Xinge, Su, Mingguang, Wei, Rui, Bao, Tong, Ding, Longguang, Tang, Wenyi, Yu, Shenghong, Ju, Wenpei, Fan	No
Theranostic nanoplatfor for high-performance dual-modal magnetic resonance imaging-guided therapy of orthotopic hepatocellular carcinoma	BMEMat		2026	Jiayin, Lin, Wenbo, Chen, Xiuqi, Hou, Kai, Wang, Fan, Liu, Ruling, Zhang, Zhong, Cao, Jian, Zheng	No
Crotonate suppresses breast cancer metastasis and promotes immunotherapy response by inducing ACS2-mediated EZH2-K348 crotonylation	Sci. Adv	https://www.science.org	2026	Bo, Liu, Xinwei, Duan, Ge, Wang, Youzhi, Tang, Kunhao, Zhou, Jing, Zhang, Yu, Yu, Hongquan, Zhang	No
L19-Conjugated Gold Nanoparticles for the Specific Targeting of FDB-Containing Fibronectin in Neuroblastoma	Pharmaceutics		2025	Chiara, Barisione, Silvia, Ortona, Veronica, Bensa, Caterina, Ivaldo, Eleonora, Ciampi, Simonetta, Astigiano, Michele, Cilli, Luciano, Zardi, Mirco, Ponzoni, Domenico, Palombo, Giovanni, Pratesi, Pier Francesco, Ferrari, Fabio, Pastorino	No
Application of group A streptococcal collagen-like protein 1-expressing Lactococcus as a novel immunotherapeutic against pancreatic ductal adenocarcinoma	Scientific Reports	https://www.nature.com/articles/s41598-026-36657-1	2026	Emily A., Godfrey, Soo Jeon, Choi, Michael, Sestito, Tracy W., Liu, Slawomir, Lukomski, Brian A., Boone	No
Shifting the paradigm of PSMA delivery in prostate cancer for internal radiotherapy: An innovative ultrasound-mediated approach	Biomedicine & Pharmacotherapy	https://linkinghub.elsevier.com/retrieve/pii/S0753332226001071	2026	Sophie, Tran, Anne-Laure, Grindel, Dimitri, Kereselidze, Laurene, Jourdan, Caroline, Denis, Benoit, Jégo, Soizic, Martin-Aubert, Jean-Luc, Gennissou, Jean-Michel, Daugas, Anthony, Novell, Charles, Truillet	No
Photothermal Therapy Combined with Chemotherapy and Anti-Inflammation Therapy Weakens the Immunosuppression of Cervical Cancer	Pharmaceutics		2025	Xiaojing, Yang, Jie, Fu, Yi, Xu, Dejian, Li, Hanru, Ren	No
Transcription factor switching drives subtype-specific pancreatic cancer	Nature Genetics		2025	Shalini V., Rao, Lisa, Young, Danya, Cheeseman, Sean, Flynn, Nikias, Krebs, Dominique Laurent, Couturier, Stephanie, Mack, Rebecca, Brais, Jill, Temple, Amy, Smith, Evangelia, Papachristou, Catarina, Pelicano, Chandra Sekhar Reddy, Chiamakuri, Krzysztof, Herka, Hideo, Baba, Luay, Farah, Phyllis F., Cheung, Jens, Siveke, Stéphane, Guerrier, Luca, Insolia, Michael, Gill, Emily, Archer Goode, Steven, Kupczak, Yi, Cheng, Giacomo, Borsari, Duncan, Jodrell, Clive, D Santos, Alasdair, Russell, Barbara T., Grünwald, Eva, Serrao, Igor, Chernukhin, Jason S., Carroll	No
Engineered cyclic peptide targeting ITGA5 disrupts tumor-stroma interaction to overcome desmoplasia and resistance in pancreatic ductal adenocarcinoma	Acta Pharmaceutica Sinica B		2025	Deby Fajar, Mardhian, Kunal P., Pednekar, Ahmed G., Hemdan, Praneeth Reddy, Kuninty, Saadia A., Karim, Sabine, de Winter, Josbert M., Metselaar, Jennifer P., Morton, Jai, Prakash	No
Assessing Vessel Reconstruction in Ultrasound Localization Microscopy by Maximum Likelihood Estimation of a Zero-Inflated Poisson Model	IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control		2020	Stefanie, Dencks, Marion, Piepenbrock, Georg, Schmitz	No
Fe-doped phase-transition nanodroplets for synergistic photothermal and starvation-enhanced ferroptosis in cancer therapy	Journal of nanobiotechnology		2025	Yuhang, Tian, Xiang, He, Yanchi, Yuan, Chunyue, Wang, Mengchi, Zhang, Hui, Jiang, Huijing, Yang, Kuikun, Wang, Hui, Jing	No
Combination LIGHT overexpression and checkpoint blockade disrupts the tumor immune environment impacting colorectal liver metastases	Sci. Adv	https://www.science.org	2025	Bridget P. Keenan, Guilin, Qiao, Nicholas, Kunda, Lyonnell, Kone, Sophia M, Goldberg, Letizia, Todeschini, Prabhakaran, Kumar, Tommaso, Pollini, Sophia, Hernandez, Jianzhong, Qin, Lawrence, Fong, Matthew H, Spitzer, Bellur S, Prabhakar, Ajay V, Maker	No
HSF1-DBCL1 axis drives prostate cancer progression by activating a metastatic transcriptional program	Experimental and Molecular Medicine		2025	Sue Jin, Moon, Hwa Jin, Kim, Joung Eun, Lim, Sanghoon, Hong, Hong Hee, Won, Byong Chang, Jeong, Jeong Hoon, Kim	No
Synthesis and Photophysical Characterization of Axially Functionalized Silicon(IV) Naphthalocyanines with Phototheranostic Potential	ChemistryEurope		2025	Pedro M. R., Santos, Benjamin, Proto, Debalina, Mondal, Alicia, Voge, Christine, Hoskin, Hanyi, Weng, Inés R. M., Santos, Kevin, Stamplecokkie, João P. C., Tomé, Juan, Chen, Nahyun, Kwon, Gang, Zheng	No

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Photoactivated Gas-Generating Nanocontrast Agents for Long-Term Ultrasonic Imaging-Guided Combined Therapy of Tumors	ACS Nano		2024	Binbin, Chu, Zhiming, Chen, Xiaofeng, Wu, Haoliang, Shi, Xiangbowen, Jin, Bin, Song, Mingyue, Cui, Yadan, Zhao, Yingying, Zhao, Yao, He, Houyu, Wang, Fenglin, Dong	No
Docetaxel-Encapsulated Catalytic Pt/Au Nanotubes for Synergistic Chemo-Photothermal Therapy of Triple-Negative Breast Cancer	Advanced Healthcare Materials		2024	Haiyan, Yang, Qian, Zhang, Liwei, Dai, Yazhi, Wang, Guangrong, Zheng, Xinyue, Zhang, Di, Zheng, Xiaojuan, Ji, Yutao, Sang, Zhihong, Nie	No
PLGA Nanopatform for the Hypoxic Tumor Delivery: Folate Targeting, Therapy, and Ultrasound/Photoacoustic Imaging	ACS Applied Bio Materials		2024	Abhishesh Kumar, Mehata, Jyoti, Bonlawar, Rupen, Tamang, Ankit Kumar, Malk, Aseem, Setia, Shalendra, Kumar, Ranadheer Reddy, Challa, Bhaskar, Vallamkonda, Biplob, Koch, Madaswamy S., Muthu	No
Inhomogeneous Au25 for Photoacoustic Imaging and Photodynamic Tumor Therapy Based on Different Forms of Energy Dissipation	ACS Nano		2024	Ling, Chang, Chao, Liu, Zhaokui, Jin, Kun, Li, Xiang, Ling	No
Photoactivated Formation of an Extravascular Dynamic Hydrogel as an Intelligent Blood Flow Regulator to Reprogram the Immunogenic Landscape	Nano Letters		2024	Yue, Chen, Ajun, Xiang, Yuanyuan, Ma, Zhengzheng, Qian, Zerui, Ma, Liming, Zhou, Jue, Wang, Hao, Li, Mei, Zhou, Zhenyu, Hou, Xin, Liu, Can, Zhang, Longguang, Tang, Shenghong, Ju, Wenpei, Fan	No
Redox-Sensitive Poly(lactic-co-glycolic acid) Nanoparticles of Palbociclib: Development, Ultrasound/Photoacoustic Imaging, and Smart Breast Cancer Therapy	Molecular Pharmaceutics		2024	Piyush, Dharmija, Abhishesh Kumar, Mehata, Rupen, Tamang, Jyoti, Bonlawar, None, Vaishali, Ankit Kumar, Malik, Aseem, Setia, Shalendra, Kumar, Ranadheer Reddy, Challa, Biplob, Koch, Madaswamy S., Muthu	No
In Vivo Combined Photoacoustic Imaging and Photothermal Treatment of HPV-Negative Head and Neck Carcinoma with NIR-Responsive Non-Persistent Plasmon Nano-Architectures	Advanced Therapeutics		2024	Valentina, Frusca, Chiara, Cavallini, Agata, Zamborlin, Giuliana, Drava, Virginia, Barone, Lisa, Gherardini, Mario, Chiariello, Paolo, Armanetti, Maria Laura, Ermini, Luca, Menichetti, Valerio, Voliani	No
Dual-Functional Nanodroplet for Tumor Vasculature Ultrasound Imaging and Tumor Immunosuppressive Microenvironment Remodeling	Advanced Healthcare Materials		2024	Yuan, Liang, Siyan, Zhang, Dingyi, Wang, Panpan, Ji, Bin, Zhang, Pengying, Wu, Lantian, Wang, Zhaoyou, Liu, Jia, Wang, Yunyuo, Duan, Lijun, Yuan	No
Influence of Phase Change Droplet Activation and Microbubble Cavitation on the Microenvironment of Hepatocellular Carcinoma	Ultrasound in Medicine and Biology		2024	Hebah A., Falatah, Quezia, Lacerda, Corinne E., Wessner, Standley, Lo, Margaret A., Wheateley, Ji Bin, Liu, John R., Eisenbrey	No
Cancer stem cells release interleukin-33 within large oncosomes to promote immunosuppressive differentiation of macrophage precursors	Immunity		2024	Hannah L., Erickson, Sachiko, Taniguchi, Anish, Raman, Justin J., Leitenberger, Sanjay V., Malhotra, Naoki, Oshimori	No
SP1 is required for maintaining mesenchymal cell fate in pancreatic cancer	Nature		2025	Huafu, Li, Linxiang, Lan, Hengxing, Chen, May, Zaw Thin, Hari, Ps, Jessica K., Nelson, Ian M., Evans, E, Josue, Ruiz, Rongjie, Cheng, Li, Tran, Mark, Allen, Jian, Ma, Tingzhuang, Yi, Chunming, Wang, Yulong, He, Naomi, Guppy, Anguraj, Sadanandam, Shao Zhen, Lin, Changhua, Zhang, Axel, Behrens	No
Intraperitoneal CAR-T-cell therapy for peritoneal carcinomatosis from gastroesophageal cancer: preclinical investigations to a phase I clinical trial (NCT06623396)	Journal for immunotherapy of cancer		2025	David, Restle, Alfredo, Amador-Molina, Kyohei, Misawa, Srijita, Banerjee, Geoffrey, Ku, Prasad S., Adusumilli	No
SMAD4 induces opposite effects on metastatic growth from pancreatic tumors depending on the organ of residence.	Nature cancer	http://www.ncbi.nlm.nih.gov/pubmed/40999053	2025	Kaloyan M, Tzanov, Francisco M, Barriga, Yu-Jui, Ho, Direna, Alonso-Curbelo, Geulah, Livshits, Sha, Tian, Richard P, Koche, Timour, Baslan, Janelle, Simon, Alexandra N, Wuest, José, Reyes, Jin, Park, Wei, Luan, John E, Wilkinson, Limesh, Bhanot, Jordana, Ray-Kirton, Ignas, Masilionis, Nevenka, Dimitrova, Christine A, Iacobuzio-Donahue, Ronan, Chaligné, Dana, Pe'er, Joan, Massagué, Scott W, Lowe	No
An injury-associated lobular microniche is associated with the classical tumor cell phenotype in pancreatic cancer	Nature Communications	https://www.nature.com/articles/s41467-025-63864-7	2025	Sara, Söderqvist, Annika, Viljamaa, Natalie, Geyer, Anna-Lena, Keller, Ksenya, Rukhsa, Carina, Strazi, Neda, Hekmati, Alexandra, Niculae, Jennie, Engstrand, Ernesto, Sparrelid, Caroline, Salmén, Tânia D. F., Costa, Miao, Zhao, Staffan, Strömblad, Argyro, Zacharouli, Poya, Ghorbani, Sara, Harriiz, Youstra, Hamidi, Olga, Khorosjutina, Stefina, Milanova, Bernhard, Schmierer, Béla, Božóky, Carlos, Fernández Moro, Marco, Gerling	No
Carrier-free nanoparticles based on natural products trigger dual "synergy and attenuation" for enhanced phototherapy of liver cancer	Materials Today Bio		2025	Xiongqin, Wang, Kunhui, Sun, Junlin, Dong, Yanli, Ge, Haifan, Liu, Xingyue, Jin, Xiao, Pei, Ping, Wang, Jianbing, Jiang, Tiejie, Wang, Xuelei, Hu, Shuguang, Yuan, Bing, Wang, Xie an, Yu	No
Multiscale molecular engineering co-modulated dual-mode ratiometric probe for monitoring tumor-associated macrophage repolarization	Biomaterials	https://linkinghub.elsevier.com/retrieve/pii/S0142961225006052	2026	Xinyue, Li, Ning, Li, Zhiang, Duan, Xuan, Zhang, Baodui, Wang	No
Cu2(OH)PO4@PAA Nanoparticles for Highly Effective Combination of Chemodynamic, Photodynamic and Photothermal Therapies Against Bladder Cancer	International Journal of Nanomedicine		2025	Yadong, Liu, Huiyan, Lv, Yaodong, Chen, Shazhou, Ye, Zhong, Zheng, Lei, Chen, Zejun, Yan, Xinyi, Li	No
Comparative analysis of ALA mediated sonodynamic therapy considering tumor size, light combination and ultrasound delivery in murine cutaneous melanoma	Scientific Reports		2025	Erika Toneth Ponce, Ayala, Iago Silva e., Carvalho, Camila Aparecida, Antunes, Aisha, Mahmood, Michelle Barreto, Requeena, Fernanda, Alves, Layla, Pires, Vladislav, Yakovlev, Vanderlei Salvador, Bagnato, Sebastião, Pratavieira	No
Calcitriol and Tacalcitol Modulate Th17 Differentiation Through Osteopontin Receptors: Age-Dependent Insights from a Mouse Breast Cancer Model	ImmunoTargets and Therapy		2025	Aleksandra, Strzykalska-Augustyniak, Mateusz, Psurski, Honorata, Zachary, Beata, Filip-Psurska, Dagmara, Klopowska, Magdalena, Milczarek, Marta, Switalska, Martyna, Stachowicz-Suhs, Natalia, Łabędź, Aleksandra, Ziemblicka, Michalina, Gos, Joanna, Wietrzyk	No
Novel self-assembled metal-phenolic nanopatforms for triple-negative breast cancer treatment: photothermal-chemotherapy/ferroptosis synergy inducing immunogenic cell death	RSC Advances		2025	Bohao, Peng, Ruoyao, Wang, Tian, Li, Xiaoqing, Yu, Zhiyu, Wang, Xiyang, Zhang, Yuanfeng, Tan, Long, Cheng, Lu, Yang	No
Cancer Cell Membrane-Wrapped Nanoparticles for Photothermal Therapy and Photoacoustic Imaging of Triple-Negative Breast Cancer	ACS Applied Nano Materials	https://pubs.acs.org/doi/10.1021/acsanm.5c03543	2025	Sara B., Aboleneen, Grace M., Azevedo, Kejian, Li, Avery M., Wolverten, Mackenzie A., Scully, George C., Kramarenko, Emily S., Day	No
Epigenetic modulation with nanosatellite triggers tumoricidal immunity for hepatocellular carcinoma treatment	Nature Communications	https://www.nature.com/articles/s41467-025-61974-w	2025	Ying, Qu, Chen, Chen, Fefei, Sun, Shijia, Liu, Guozhi, Zhao, Zhongxi, Zhao, Chang, Liu, Xinyi, Jiang, Tao, Li	No
Xianglian Pill combined with 5-fluorouracil enhances antitumor activity and reduces gastrointestinal toxicity in gastric cancer by regulating the p38 MAPK/NF-κB signaling pathway	Journal of Ethnopharmacology		2024	Lei, Yu, Jun yuan, Qin, Chen, Sun, Fu, Peng, Yan, Chen, Su juan, Wang, Jun, Tang, Zi Wei, Lin, Liu jun, Wu, Jing, Li, Xiao yu, Cao, Wen qing, Li, Xiao fang, Xie, Cheng, Peng	No
From breast cancer cell homing to the onset of early bone metastasis: The role of bone (re)modeling in early lesion formation	Sci. Adv	https://www.science.org	2024	Sarah A E, Young, Anna-Dorothea, Heller, Daniela S, Garske, Maximilian, Rummler, Victoria, Qian, Agnes, Ellinghaus, Georg N, Duda, Bettina M, Willie, Anika, Grüneboom, Amaia, Cipitria	No
L-DOS47 Elevates Pancreatic Cancer Tumor pH and Enhances Response to Immunotherapy	Biomedicines		2024	Bruna Victorasso, Jardim-Perassi, Pietro, Irrera, Oluwaseyi E, Oluwatola, Dominique, Abrahams, Veronica C, Estrella, Bryce, Ordway, Samantha R., Byrne, Andrew A., Ojeda, Christopher J., Whelan, Jonphill, Kim, Matthew S., Beatty, Sultan, Damgaci-Erturk, Dario Livio, Longo, Kim J., Gaspar, Gabrielle M., Siegers, Barbara A., Centeno, Justin Y.C., Lau, Shari A., Pilon-Thomas, Arig, Ibrahim-Hashim, Robert J., Gillies	No
Maleimide-Thiol Linkages Alter the Biodistribution of SN38 Therapeutic Microbubbles Compared to Biotin-Avidin While Preserving Parity in Tumoral Drug Delivery	Pharmaceutics		2024	Nicola, Ingram, Radwa H., Abou-Saleh, Amanda D., Race, Paul M., Loadman, Richard J., Bushby, Stephen D., Evans, P. Louise, Coletta	No
Nitric oxide nano-reactor DNMF/PLGA enables tumor vascular microenvironment and chemo-hyperthermia synergistic therapy	Journal of Nanobiotechnology		2024	Ruoyao, Wang, Long, Cheng, Lingyun, He, Chier, Du, Haiyang, Wang, Bohao, Peng, Xiaoqing, Yu, Weiwei, Liu, Wenpei, Luo, Haitao, Ran, Lu, Yang	No
Ultrasound enhanced siRNA delivery using cationic liposome-microbubble complexes for the treatment of squamous cell carcinoma	Nanotheranostics		2024	Bin, Qin, Xucai, Chen, Jianhui, Zhu, Jonathan, Kopeček, Brandon, Helfield, Francois, Yu, Jissy, Cyriac, Linda, Lavery, Jennifer R., Grandis, Flordeliza S., Villanueva	No

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Super-Resolution Ultrasound Imaging for Monitoring the Therapeutic Efficacy of a Vascular Disrupting Agent in an Animal Model of Breast Cancer	Journal of Ultrasound in Medicine		2024	Kenneth, Hoyt	No
A Preliminary Investigation of Radiation-Sensitive Ultrasound Contrast Agents for Photon Dosimetry	Pharmaceuticals		2024	Bram, Carlier, Sophie V., Heymans, Sjoerd, Nooijens, Gonzalo, Collado-Lara, Yosra, Toumia, Laurence, Delombaerde, Gaio, Paradossi, Jan, D'hooge, Koen, Van Den Abeele, Edmond, Sterpin, Uwe, Himmelreich	No
Riboflavin-targeted polymers improve tolerance of paclitaxel while maintaining therapeutic efficacy	Nanomedicine: Nanotechnology, Biology, and Medicine		2024	Milita, Darguzyte, Elena, Rama, Anne, Rix, Jasmin, Baier, Juliana, Hermann, Sima, Rezvantialab, Mohammad, Khedri, Joachim, Jankowski, Fabian, Kiessling	No
Novel strategies for enhanced fluorescence visualization of glioblastoma tumors based on HPMA copolymers conjugated with tumor targeting and/or cell-penetrating peptides	VIEW		2024	Eliška, Grosmanová, Robert, Pola, Marcela, Filipová, Maxime, Henry, Jean Luc, Coll, Tomáš, Etrych	No
Rhein-based Pickering emulsion for hepatocellular carcinoma: Shaping the metabolic signaling and immunoinactivation in transarterial chemoembolization	Aggregate		2024	Xiaoliu, Liang, Hui, Liu, Hu, Chen, Xuqi, Peng, Zhenjie, Li, Minglei, Teng, Yisheng, Peng, Jiwei, Li, Linyu, Ding, Jingsong, Mao, Chengchao, Chu, Hongwei, Cheng, Gang, Liu	No
Promising two-dimensional rhenium diselenide nanosheets: Facile Preparation, characterization, in vivo tumor photoacoustic imaging and photothermal therapy	Nano Today		2024	Yufeng, Yuan, Yiwan, Song, Jianchang, Hu, Sihan, Wu, Yiping, Wang, Xiaoying, Zhang, Jun, Song, Liwei, Liu, Feng, Rao, Shuwen, Zeng, Xiao, Peng, Junle, Qu	No
Tumor promoting effect of spheroids in an orthotopic prostate cancer mouse model	Scientific Reports		2024	Julius Lars Daniel, Bastian, Philip, Zeuschner, Michael, Stöckle, Kerstin, Junker, Johannes, Linxweiler	No
Coiled-Coil Protein Hydrogels Engineered with Minimized Fiber Diameters for Sustained Release of Doxorubicin in Triple-Negative Breast Cancer	ACS Biomaterials Science and Engineering		2024	Dustin, Britton, Jakub, Legocki, Deven, Paul, Olga, Katsara, Orlando, Aristizabal, Neelam, Pandya, Orin, Mishkit, Yingxin, Xiao, Matias, Aristizabal, Neha, Rahman, Robert, Schneider, Youssef Z., Wadghiri, Jin Kim, Montclare	No
Ultrasound imaging guided targeted sonodynamic therapy enhanced by magnetophoretically controlled magnetic microbubbles	International Journal of Pharmaceutics		2024	Yao, Zhu, Gulzira, Arkin, Tianzhen, He, Fengjuan, Guo, Ling, Zhang, Yu, Wu, Paras N., Prasad, Zhongjian, Xie	No
A novel combined therapeutic strategy of Nano-EN-IR@Lip mediated photothermal therapy and stem cell inhibition for gastric cancer	Biomedicine and Pharmacotherapy		2024	Liping, Yang, Yan e., Du, Fangli, Liao, Tong, Huang, Yadong, Liu, Junzhao, Liu, Can, Wang, Zhu, Zhan, Yang, Cao, Zhigang, Wang, Weixian, Chen	No
Irradiation with Carbon Ions Effectively Counteracts Hypoxia-related Radioresistance in a Rat Prostate Carcinoma	International Journal of Radiation Oncology Biology Physics		2024	Christin, Glowa, Alina L., Bendinger, Rosemarie, Euler-Lange, Peter, Peschke, Stephan, Brons, Jürgen, Debus, Christian P., Karger	No
Identification and characterization of TM4SF1+ tumor self-seeded cells	Cell Reports		2024	Haotian, Yang, Haolu, Wang, Yaowu, He, Yang, Yang, Erik W., Thompson, Di, Xia, Leslie J., Burke, Lu, Cao, John D., Hooper, Michael S., Roberts, Darrell H.G., Crawford, Xiaowen, Liang	No
Toward Smart Ultrasound Image Augmentation to Advance Tumor Treatment Monitoring: Exploring the Potential of Diffusion Generative Model	Journal of Medical Devices		2024	Emmanuel, Yangué, Ashish, Ranjan, Yu, Feng, Chenang, Liu	No
Mitochondrial DNA-boosted dendritic cell-based nanovaccination triggers antitumor immunity in lung and pancreatic cancers	Cell Reports Medicine		2024	Lihuan, Shang, Xue, Jiang, Xinbao, Zhao, Xi, Huang, Xiaojuan, Wang, Xiangzhan, Kong, Mingkang, Yao, Shanping, Jiang, Ping Pui, Wong	No
Topographic modification of the extracellular matrix precedes the onset of bladder cancer	Matrix Biology Plus		2024	Chiara, Venegoni, Filippo, Pederzoli, Irene, Locatelli, Elisa, Alchera, Laura, Martinez-Vidal, Alessia, Di Coste, Marco, Bandini, Andrea, Necchi, Francesco, Montorsi, Andrea, Salonia, Marco, Moschini, Jithin, Jose, Federico, Scarfo, Roberta, Luciano, Massimo, Alfano	No
Mortalin promotes the evolution of androgen-independent prostate cancer through Wnt/β-catenin signaling pathway	Cancer Cell International		2024	Ying, Chang, Jinyuan, Sui, Qiang, Fu, Zhongqi, Lu, Zhengri, Piao, Tiefeng, Jin, Meihua, Zhang	No
Nucleotide metabolism in cancer cells fuels a UDP-driven macrophage cross-talk promoting immunosuppression and immunotherapy resistance	Nature Cancer		2024	Tommaso, Scolaro, Marta, Manco, Mathieu, Pecqueux, Ricardo, Amorim, Rosa, Trotta, Heleen H, Van Acker, Matthias, Van Haete, Niranjan, Shirgankar, Stefan, Naulaerts, Jan, Daniluk, Fran, Prenen, Chiara, Varamo, Donatella, Ponti, Genevra, Doglioni, Ana Margarida, Ferreira Campos, Juan, Fernandez Garcia, Silvia, Radenkovic, Pegah, Rouhi, Aleksandar, Beatovic, Liwei, Wang, Yu, Wang, Amalia, Tzoumpa, Asier, Antonanz, Ara, Sargisian, Mario, Di Matteo, Emanuele, Berardi, Jermaine, Goyela, Bart, Ghesquière, Tania, Roskams, Stefaan, Soenen, Thomas, Voets, Bella, Manshian, Sarah Maria, Fendt, Peter, Carmeliet, Abhishek D., Gang, Ramanuj, DasGupta, Baki, Topal, Massimiliano, Mazzone	No
Boosting the sonodynamic performance of CoBIMn-layered double hydroxide nanoparticles via tumor microenvironment regulation for ultrasound imaging-guided sonodynamic therapy	Journal of Nanobiotechnology		2024	Shuqing, Yang, Tingting, Hu, Gareth R., Williams, Yu, Yang, Susu, Zhang, Jiayi, Shen, Minjiang, Chen, Ruizheng, Liang, Lingchun, Lyu	No
APPLIED SCIENCES AND ENGINEERING Ultrasensitive and multiplexed tracking of single cells using whole-body PET/CT	Sci. Adv	https://www.science.org	2024	Hieu T M, Nguyen, Neeladrisingha, Das, Matthew, Ricks, Xiaoxu, Zhong, Eri, Takematsu, Yuting, Wang, Carlos, Ruvalcaba, Brahim, Mehadjji, Emilee, Roncalli, Charles K F, Chan, Guillem, Pratz	No
Synthesis and biological evaluation of panitumumab-IRDye800 conjugate as a fluorescence imaging probe for EGFR-expressing cancers	MedChemComm		2014	Sibaprasad, Bhattacharyya, Nimit L., Patel, Ling, Wei, Lisa A., Riffe, Joseph D., Kalen, G. Craig, Hill, Paula M., Jacobs, Kurt R., Zinn, Eben, Rosenthal	No
Combined UTMD-Nanoplast for the Effective Delivery of Drugs to Treat Renal Cell Carcinoma	International Journal of Nanomedicine		2024	Ting, Dai, Qimeihui, Wang, Lingyu, Zhu, Qiang, Luo, Jiayu, Yang, Xia, Meng, Hui, Wang, Zhixia, Sun	No
Probiotics functionalized with a gallium-polyphenol network modulate the intratumor microbiota and promote anti-tumor immune responses in pancreatic cancer	Nature Communications		2024	Zi Yi, Han, Zhuang Jiong, Fu, Yu Zhang, Wang, Cheng, Zhang, Qi Wen, Chen, Jia Xin, An, Xian Zheng, Zhang	No
PDF-Enriched Extracellular Vesicle for Vessel Normalization to Potentiate Immune Checkpoint Blockade Therapy	Biomaterials Research		2024	Seol, Shin, Chan Ho, Kim, Soyoung, Son, Jae Ah, Lee, Seunglee, Kwon, Dong Gil, You, Jungmi, Lee, Jeonyun, Kim, Dong Gyu, Jo, Hyewon, Ko, Jae Hyung, Park	No
In-Situ Grown Nanocrystal TiO2 on 2D Ti3C2 Nanosheets with Anti-Tumor Activity from Photo-Sonodynamic Treatment and Immunology	International Journal of Nanomedicine		2024	Hailing, Yu, Yongquan, Huang, Zhisheng, Nong, Xi, Lin, Kexin, Tang, Zeyu, Cai, Kaichen, Huang, Ting, Yu, Humin, Lan, Qianqian, Zhang, Qiang, Wang, Lei, Yang, Jingchuan, Zhu, Lili, Wu, Hui, Luo	No
Pan-lysyl oxidase inhibition disrupts fibroinflammatory tumor stroma, rendering cholangiocarcinoma susceptible to chemotherapy	Hepatology Communications		2024	Paul R., Burchard, Luis I., Ruffolo, Nicholas A., Ullman, Benjamin S., Dale, Yatee A., Dave, Bailey K., Hilty, Jian, Ye, Mary, Georger, Rachel, Jewell, Christine, Miller, Luis, De Las Casas, Wolfgang, Jarolimek, Lara, Perryman, Matthew M., Byrne, Anthony, Loria, Chelsea, Marin, Mariana Chávez, Villa, Jen Jen, Yeh, Brian A., Belt, David C., Linehan, Roberto, Hernandez-Alejandro	No
Rosiglitazone and trametinib exhibit potent anti-tumor activity in a mouse model of muscle invasive bladder cancer	Nature Communications		2024	Sakina A., Plumber, Tiffany, Tate, Hikmat, Al-Ahmadie, Xiao, Chen, Woonyoung, Choi, Merve, Basar, Chao, Lu, Aaron, Viny, Ekatherina, Batourina, Jiaqi, Li, Kristjan, Gretaarsson, Besmira, Alija, Andrei, Molotkov, Gregory, Wiessner, Byron Hing Lung, Lee, James, McKiernan, David J., McConkey, Colin, Dinney, Bogdan, Czerniak, Cathy Lee, Mendelsohn	No
19F MRI/CEUS Dual Imaging-Guided Sonodynamic Therapy Enhances Immune Checkpoint Blockade in Triple-Negative Breast Cancer	Advanced Science		2024	Qiu, Chen, Hong, Xiao, Lijun, Hu, Yongquan, Huang, Zhong, Cao, Xintao, Shuai, Zhongzhen, Su	No
Bioluminescence and photoacoustic dual-modality imaging of apoptosis using a duramycin-immobilized gold nanorod probe	Cell Reports Physical Science		2024	Jingyu, Zhang, Bin, Guo, Yiyi, Jiang, Xiaorui, Shi, Chong, Hu, Zihao, Jiao, Fu, Wang	No
Aminolysis-mediated single-step surface functionalization of poly (butyl cyanoacrylate) microbubbles for ultrasound molecular imaging	Journal of Nanobiotechnology		2024	Junlin, Chen, Bi, Wang, Anshuman, Dasgupta, Céline, Porte, Lisa, Eckardt, Jinwei, Qi, Marek, Weiler, Twan, Lammers, Anne, Rix, Yang, Shi, Fabian, Kiessling	No

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Biodistribution of PET radiotracers in tumor-bearing TRAMP mice administered by retroorbital or jugular vein injections	Scientific Reports		2024	Catherine C., Applegate, Michael B., Nelappana, Yuxiao, Cui, Goodluck, Okoro, Elaine A., Nielsen, Nicolas P., Dovaalovsky, Andrew W., Smith, Iwona T., Dobrucki, Lawrence W., Dobrucki	No
HEALTH AND MEDICINE Reversibly photoswitchable protein assemblies with collagen affinity for in vivo photoacoustic imaging of tumors	Sci. Adv	https://www.science.org	2024	Shuai, Chen, Kaixin, Li, Xin, Chen, Shan, Lei, Jing, Lin, Peng, Huang	No
The pronounced cytotoxic effects of chimeric antigen receptor T cells targeting R7-H3 in organoids and liver xenografts derived from colorectal cancer patients	British Journal of Cancer	https://www.nature.com/articles/s41416-025-03114-1	2025	Yuling, Sheng, Li, Yan, Qi, Liu, Yifan, Peng, Jingyun, Tan, Wenhua, Li, Wei, Mao, Wengjing, Wei, Yanyun, Chang, Linlin, Cao, Yi, Tan, Yanlin, Xiao, Wenying, Zhang, Jing, Gao, Yang, Xu, Changzheng, Du	No
Semaphorin 3D promotes pancreatic ductal adenocarcinoma progression and metastasis through macrophage reprogramming	Science Advances		2024	Noelle R.J., Thielman, Vanessa, Funes, Sanjana, Davuluri, Hector E., Ibanez, Wei-Chih, Sun, Juan, Fu, Keyu, Li, Stephen, Muth, Xingyi, Pan, Kenji, Fujiwara, Dwayne L. II, Thomas, MacKenzie, Henderson, Selina Shiqing, Teh, Qingfeng, Zhu, Elizabeth, Thompson, Elizabeth M., Jaffee, Alex, Kolodkin, Fengxi, Meng, Lei, Zheng	No
Molecular Engineering of a Tumor-Targeting Thione-Derived Diketopyrrolopyrrole Photosensitizer to Attain NIR Excitation Over 850 nm for Efficient Dual Phototherapy	Advanced Science		2024	Gang, Xu, Yunxia, Song, Haifeng, Jin, Pengmin, Shi, Yubo, Jiao, Fangzhou, Cao, Jie, Pang, Yanyan, Sun, Lei, Fang, Xing Hua, Xia, Jian, Zhao	No
Intraoperative Guidance of Pancreatic Cancer Resection Using a Toll-like Receptor 2-Targeted Fluorescence Molecular Imaging Agent	Cancer Research Communications		2024	Amanda S., Huynh, Allison S., Cohen, Michael, Doligalski, Todd J., Casagni, Valerie E., Moberg, Xuan, Huang, Jennifer, Morse, Dominique, Abraham, Mark C., Lloyd, Barbara A., Centeno, Margaret K., Baldwin, Mark L., McLaughlin, Josef, Vagner, David L., Morse	No
Versatile Bi2MoO6/Prussian Blue-Au nanoplatform for oxygen-self-produced and GSH-depleted enhanced sonodynamic efficacy	Journal of Colloid and Interface Science		2025	Shuangshuang, Yang, Yufan, Zhang, Ran, Chang, Shengwu, Wen, Yaru, Cheng, Qiqi, Yang, Jinze, Li, Jinlong, Yang, Haifeng, Dong, Xueji, Zhang	No
APPLIED SCIENCES AND ENGINEERING Dormancy-inducing 3D-engineered matrix uncovers mechanosensitive and drug-protective FHL2-p21 signaling axis	Sci. Adv	https://www.science.org	2024	Sadra, Bakshandeh, Unai, Heras, Hubert M, Taleb, Adithi R, Varadarajan, Susanna M, Lissek, Sarah M, Hücker, Xin, Lu, Daniela S, Garske, Sarah A, E Young, Andrea, Abaurrea, Maria M, Caffare, Ana, Riestra, Paloma, Bragado, Jörg, Contzen, Manfred, Gossen, Stefan, Kirsch, Jens, Warfsmann, Kamran, Honarnejad, Christoph A, Klein, Amaia, Cipitria	No
A PSA SNP associates with cellular function and clinical outcome in men with prostate cancer	Nature Communications		2024	Srlakshmi, Srinivasan, Thomas, Kryza, Nathalie, Bock, Brian W.C., Tse, Kamil A., Sokolowski, Panchadsaram, Janathani, Achala, Fernando, Leire, Moya, Carson, Stephens, Ying, Dong, Joan, Röhl, Saaid, Alimehad, Ien, Vela, Joanna L., Perry-Keene, Katie, Buzarck, Robert, Nica, Penny, Wilson, Mohnish, Suri, Lucy, Side, Gad, Rennett, Judith, Offman, Clare, Moynihan, Anita, Mitra, Christos, Mikropoulos, Alan, Millner, Lovise, Maehele, Jan, Lubinski, Geoffrey, Lindeman, Vincent, Khoo, Óskar Þór, Jóhannsson, Freddie C., Hamdy, Christopher, Foster, Alison, Falconer, Jonunn, Eyford, Gareth, Evans, Diana, Eccles, David, Dearnaley, Elena, Castro, Chris, Bangma, Audrey, Ardern-Jones, Elizabeth, Page, Elizabeth, Bancroft, Manuela, Gago-Dominguez, Jeremy, Clark, Colin, Cooper, Vincent J., Gnanapragasam, Christopher, Woodhouse, Alan, Thompson, Declan, Cahill, Chris, Ogden, David, Nicol, Naami, Mccaddy, Justyna, Sobczak, Netty, Kinsella, Jane, Mellia, Sue, Moss, Lucia, D'Amello, Anne Marie Borges, Da Silva, Antony, Chamberlain, Sibel, Saya, Christos, Mikropolis, Alexander, Dias, Jeff, Bamber, Mathew, Perry, Frank, Chingewundoh, Paul, Cathcart, Nandita, de Souza, Aslam, Sohaib, Jack, Schalken, Paul, Pharoah, Sarah, Lewis, Steve, Hazell, Nick, van As, Paul, Ardern-Jones, Nening, Dennis, Angela, Wood, Syed, Hussain, Joe, Merson, Denzil, James, Diana, Keating, Eva, McGrowder, Matthew, Hogben, Kathryn, Myhill, Sarah, Thomas, Natalie, Taylor, Rose, Hall, Holly Ni, Raghallaigh, Jana, McHugh, Antonis, Antoniou, Pardeep, Kumar, Johanna, Schlieutker, Christiane, Maier, Kenneth, Muir, Catherine M., Tangen, Henrik, Gronberg, Nora, Pashayan, Demetrius, Albanes, Alicia, Wolk, Janet L., Stanford, Sonja I., Berndt, Lorelei A., Mucci, Stella, Koutros, Olivier, Cussenot, Karina Dalsgaard, Sorensen, Eli Marie, Grindedal, Ruth C., Travis, Christopher A., Haiman, Robert J., MacInnis, Ana, Vega, Fredrik, Wiklund, David E., Neal, Manolis, Kogevinas, Kathryn L., Perner, Berge G., Nordstgaard, Hiermann, Brenner, Esther M, John, Marja, Gamulin, Frank, Claessens, Olle, Melander, Anders, Dahlin, Pär, Stattin, Göran, Hallmans, Christel, Häggström, Robert, Johansson, Elin, Thysell, Ann Charlotte, Rönn, Weiqiang, Li, Nigel, Brown, Goce, Dimeski, Benjamin, Shepherd, Tokhir, Dadaev, Mark N., Brook, Amanda B., Spurdie, Ulf Häkan, Stenman, Hannu, Koistinen, Zsofia, Kote-Jarai, Robert J., Klein, Hans, Lilja, Rupert C., Ecker, Rosalind, Eeles, Markus, Aly, Maria Elena, Martinez, Steven, Joniau, Tomislav, Kulis, Thomas, Schnoeller, Josef, Hoegel, Ben, Schöttker, Bernd, Holleczeck, Xin, Gao, Andreas, Roder, Hein V., Stromberg, Stig E., Bojesen, Meir, Stampfer, Sara, Lindström, Antonio, Alcaraz, Gemma, Castaño-Vinyals, Trinidad, Dierssen-Sotos, Martin, Eklund, Laura, Fachal, Antonio, Gómez-Caamaño, Roger L., Milne, Melissa C., Southey, Xin, Sheng, Loic, Le Marchand, Tim J., Key, Michael, Borre, Laura E. Beane, Freeman, Edward, Giovannucci, Mitchell J., Machiela, Robert N., Hoover, Gerald L., Andriole, Nicolas, Håkansson, Anssi, Auvinen, Teuvo L.J., Tammela, Alison M., Dunning, Tobias, Nordström, Ian M., Thompson, Phyllis J., Goodman, Artitaya, Lophatananon, William J., Blot, Peter, Kraft, Stephen N., Thibodeau, Hardev, Pandha, Lisa, Cannon-Albright, Kay Tee, Khaw, Florence, Menegaux, Ron H.N., van Shaik, Jose Esteban, Castaleo, Paul A., Townsend, Nawaid, Usmani, Radka, Kaneva, Davor, Lessei, Lisa F., Newcomb, Azad, Razack, Kim, De Ruyck, Susan L., Neuhausen, Manuel R., Teixeira, Jeri, Kim, Sune F., Nielsen, Cezary, Cybulski, Jong Y., Park, Adam S., Kibel, Graham G., Giles, Yong Jie, Lu, Barry S., Rosenstein, Sue Ann, Ingles, Robert J., Hamilton, Jenny L., Donovan, Geraldine, Cancei, Tassin, Catharine M.L., West, Stephanie J., Weinstein, Ying, Wang, Stephen, Chanock, Ali Amin Al, Olama, Sara, Benlloch, Fredrick R., Schumacher, Melissa, Papargiris, Anne Maree, Haynes, Lisa, Butler, Renea, Taylor, Lisa, Horvath, Gail P., Risbridger, Wayne, Tilley, Judith, Clements, Jyotsna, Batra	No
2D manganese-doped calcium carbonate nanosheets as activable MRI/US imaging Guided enhanced calcium influx for Boosted regulatory cell death	Chemical Engineering Journal		2025	Mingya, Tan, Linlin, Huo, Jie, Zeng, Shiqi, Zhu, Jianfeng, Bao, Mengke, Fan, Jiangyang, Li, Meiling, Liu, Jiayi, Zhao, Zhenghuan, Zhao	No
Ultrasound-responsive nanocarriers with siRNA and Fe3O4 regulate macrophage polarization and phagocytosis for augmented non-small cell lung cancer immunotherapy	Journal of Nanobiotechnology		2024	Ming, Li, Yuanyan, Li, Jun, Zheng, Zhen, Ma, Jianye, Zhang, Hao, Wu, Yangyang, Zhu, Pan, Li, Fang, Nie	No
Intermetallics triggering pyroptosis and disulfidoptosis in cancer cells promote anti-tumor immunity	Nature Communications		2024	Yanlin, Zhu, Xinxin, Wang, Lili, Feng, Ruoxi, Zhao, Can, Yu, Yuanli, Liu, Ying, Xie, Bin, Liu, Yang, Zhou, Piaoping, Yang	No
Identification of Contactin-1 as a Potential Biomarker and Therapeutic Target in Neuroblastoma	Biomedicines		2024	Christa N., Grant, Carson A., Willis, Xiaoming, Liu, Longgui, Chen, Zhenqiu, Liu, Hong Gang, Wang	No

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Oncogenic properties of wild-type DNA repair gene FANCA in breast cancer	Cell Reports		2025	Liang, Luo, Fenghua, Yuan, Anna, Palovcak, Fang, Li, Qingqi, Yuan, Daniel, Calkins, Zoe, Manalo, Yan, Li, Dashi, Wang, Mike, Zhou, Catherine, Zhou, Matthew, Li, Yuan De, Tan, Feng, Bai, Yuguang, Ban, Christian, Mason, Evan, Roberts, Daniel, Bilbao, Zhao Jun, Liu, Karoline, Briegel, Scott M., Welford, Xin Hai, Pei, Sylvia, Daunert, Wenjun, Liu, Yanbin, Zhang	No
Aggregation induced emission luminogen bacteria hybrid bionic robot for multimodal phototheranostics and immunotherapy	Nature Communications		2025	Liwei, Zhu, Guangjie, Song, Wentian, Zhang, Yifan, Wu, Yuting, Chen, Jiayi, Song, Deliang, Wang, Guoxin, Li, Ben Zhong, Tang, Ying, Li	No
IL-33-activated ILC2s induce tertiary lymphoid structures in pancreatic cancer	Nature		2025	Masataka, Amasaki, Abderezak, Zebboudj, Hiroshi, Yano, Siqi Linsey, Zhang, George, Payne, Adrienne Kaya, Chandra, Rebecca, Yu, Pablo, Guasp, Zachary M., Sethna, Akihiro, Ohmoto, Luis A., Rojas, Charlotte, Cheng, Theresa, Waters, Alexander, Solovov, Stephen, Martis, Ashley S., Doane, Charlotte, Reiche, Emmanuel M., Bruno, Martina, Milighetti, Kevin, Soares, Zagaa, Odgerel, John Alec, Moral, Julia N., Zhao, Mithat, Gönen, Rui, Gardner, Alexei V., Tumanov, Abdul G., Khan, Olivia, Vergnolle, Elisabeth K., Nyakatura, Ivo C., Lorenz, Manuel, Baca, Erin, Patterson, Benjamin, Greenbaum, David, Artis, Taha, Merghoub, Vinod P., Balachandran	No
Antisense mediated blockade of Dickkopf 1 attenuates tumor survival, metastases and bone damage in experimental osteosarcoma	Scientific Reports		2025	Andrew, Haskell, Simin, Pan, Robert, Reese, Anthony, Powers, Megan G., Lopez, Sebastian, Lomeli, Christopher, Story, Joshua, Benton, J. Chris, Blazier, Roland, Kaunas, Carl A., Gregory	No
Constructing Intramolecular Electric Fields in NIR-II Emissive Photosensitizers to Regulate the Local Electron Density for Boosting Hypoxia-Tolerant Cancer Phototheranostics	CCS Chemistry		2025	Xiaoming, Hu, Cheng, Zhang, Jingqi, Lv, Rongtian, Li, Achen, Qin, Caijun, Zhu, Fengwei, Sun, Zejing, Chen, Shenghan, Teng, Hongxin, Lin, Shen, Yang, Wei, Huang	No
The GLP-1R agonist semaglutide reshapes pancreatic cancer associated fibroblasts reducing collagen proline hydroxylation and favoring T lymphocyte infiltration	Journal of Experimental and Clinical Cancer Research		2025	Chiara, Cencioni, Silvia, Malatesta, Virginia, Vignano Benedetti, Valerio, Licursi, Livia, Peretto, Federica, Conte, Danilo, Ranieri, Armando, Bartolazzi, Martina, Kunki, Loretta, Tuosto, Alberto, Larghi, Geny, Piro, Antonio, Agostini, Giampaolo, Tortora, Vincenzo, Corbo, Carmine, Carbone, Francesco, Spallotta	No
Ginsenoside RG3 Synergizes With STING Agonist to Reverse Cisplatin Resistance in Gastric Cancer	Food Science and Nutrition		2025	Zhongqi, Lu, Yihang, Fu, Qiang, Fu, Ying, Chang, Meihua, Zhang, Tiefeng, Jin	No
Hypoxia-tropic delivery of nanozymes targeting transferrin receptor 1 for nasopharyngeal carcinoma radiotherapy sensitization	Nature Communications		2025	Ruofei, Zhang, Yanfang, Shen, Xiaoying, Zhou, Jianru, Li, Hengqing, Zhao, Zixia, Zhang, Jun, Zhao, Hongjun, Jin, Shuanshan, Guo, Hui, Ding, Guohui, Nie, Zhe, Zhang, Ying, Wang, Xiyun, Yan, Kelong, Fan	No
Chemotherapy in synergy with innate immune agonists enhances T cell priming for checkpoint inhibitor treatment in pancreatic cancer	Biomarker Research		2025	Nan, Niu, Keyu, Li, Junke, Wang, Vanessa, Funes, Birginita, Espinoza, Pan, Li, Jianxin, Wang, Melissa, Lyman, Mengni, He, Brian, Herbst, Michael, Wichroski, Russian, Novosiadly, Sami, Shoucair, Yiping, Mou, Lei, Zheng	No
Antibody-based delivery of interleukin-2 modulates the immunosuppressive tumor microenvironment and achieves cure in pancreatic ductal adenocarcinoma syngeneic mice	Journal of Experimental and Clinical Cancer Research		2025	Carmine, Carbone, Roberto, De Luca, Emanuele, Puca, Antonio, Agostini, Alessia, Caggiano, Lorenzo, Priori, Annachiara, Esposito, Serena, Ascrizzi, Geny, Piro, Lisa, Salvatore, Francesco, De Sanctis, Stefano, Ugel, Vincenzo, Corbo, Dario, Neri, Giampaolo, Tortora	No
Fractionated low-dose radiotherapy primes the tumor microenvironment for immunotherapy in a murine mesothelioma model	Cancer Immunology, Immunotherapy		2025	Rebecca A., D'Alonzo, Synat, Keam, Suki, Gill, Pejman, Rowshanfarzad, Anna K., Nowak, Martin A., Ebert, Alistair M., Cook	No
Integrating oxygen-boosted sonodynamic therapy and ferroptosis via engineered exosomes for effective cancer treatment	Theranostics		2025	Mingbo, Wu, Zhanlin, Zhang, Dong, Li, Xiaomiao, Ruan, Jingwen, Yang, Siyi, Chen, Xin, Li, Wenwu, Ling	No
Ultrasound irradiation in the presence of microbubbles may enhance the antitumor effect of chemotherapeutic agents against bladder cancer	Journal of Cancer		2025	Takehiro, Suzuki, Takuma, Sato, Ariunbuyan, Sukhbaatar, Maya, Sakamoto, Shiro, Mori, Tetsuya, Kodama, Akihiro, Ito	No
Correlation of Preclinical In Vivo Imaging Modalities and Immunohistochemistry for Tumor Hypoxia and Vasculature	In Vivo		2025	Rebecca A., D'Alonzo, Synat, Keam, Tracy S., Hoang, Suki, Gill, Pejman, Rowshanfarzad, Anna K., Nowak, Alistair M., Cook, Martin A., Ebert	No
Prolonged survival by combination treatment with a standardized herbal extract from Japanese Kampo-medicine (Luzentaihot) and gemcitabine in an orthotopic transplantation pancreatic cancer model	Frontiers in Oncology		2024	Joanna, Napp, Paulina, Siebel, Hans, Rausch, Kenny, Kuchta, Thomas, Efferth, Frauke, Alves, Volker, Ellenrieder, Silke, Cameron	No
Wearable photobiomodulation halts thyroid cancer growth by leveraging thyroid photosensitivity	Bioengineering and Translational Medicine		2025	Changrui, Zhao, Kun, Fu, Jiameng, Tian, Tian, Long, Jianzhong, Song, Siyu, Chen, Chang, Liu	No
Limiting serine availability during tumor progression promotes muscle wasting in cancer cachexia	Cell Death Discovery		2024	Erica, Pranzini, Livio, Mucillo, Ilaria, Nesi, Alice, Santi, Caterina, Mancini, Giulia, Lori, Massimo, Genovese, Tiziano, Lottini, Giuseppina, Comito, Anna, Caselli, Annarosa, Arcangeli, Lina, Sabatino, Vittorio, Colantuoni, Maria Letizia, Taddei, Paolo, Cirri, Paolo, Paoli	No
Ultrasound nanodroplets loaded with Siclec-G siRNA and Fe3O4 activate macrophages and enhance phagocytosis for immunotherapy of triple-negative breast cancer	Journal of Nanobiotechnology		2024	Ci, Yin, Guojuan, Wang, Qin, Zhang, Zhendong, Li, Tiantian, Dong, Qi, Li, Nianhong, Wu, Yaqin, Hu, Haitao, Ran, Pan, Li, Yang, Cao, Fang, Nie	No
Protocol for generating brain metastatic tumor cells through repeated intracardiac injections in mice	STAR Protocols		2025	Li, Wang, Xiaoxia, Chen, Chengtao, Dong, Shengqi, Yin, Li, Liang, Aidong, Zhou	No
Ultrasound-guided interstitial photothermal therapy generates improved treatment responses in a 9464D model of neuroblastoma	Bioengineering and Translational Medicine		2025	Grace E., Olsson, Rohan V., Patil, Samantha J., Chin, Katharine N., Rus, Elizabeth E., Sweeney, Karun V., Sharma, Rohan, Fernandes	No
Low-Intensity Focused Ultrasound-Responsive, Phase-Change Nanodroplets to Remodel Macrophage Polarization and Enhance PD-1 Blockade Therapy	Small Structures		2025	Qin, Zhang, Ci, Yin, Junjie, Liu, Hua, Yang, Yanping, Zhang, Qiaoxi, Qin, Nianhong, Wu, Rui, Tang, Yuting, Cao, Min, Zheng, Hongye, He, Hongmei, Dong, Yang, Zhou, Jianli, Ren, Zhengju, Ren, Pan, Li	No
Morphology-dependent near-infrared photothermal activity of plasmonic TiN nanobars and nanospheres for anticancer, antibacterial therapy and deep in vivo photoacoustic imaging	Applied Surface Science Advances		2025	Katerina, Polakova, Sourav, Rej, Sarka, Hradilova, Jan, Belza, Tomas, Malina, Katerina, Barton, Tomankova, Renata, Vecerova, Petr, Matous, Petr, Paral, Ariana, Opletalova, Jana, Soukupova, Tomas, Pluhacek, Ludek, Sefc, Radek, Zboril, Stepan, Kment, Alberto, Naldoni	No
Pharmacological rescue of mutant p53 triggers spontaneous tumor regression via immune responses	Cell Reports Medicine		2025	Jiabing, Li, Shuang, Zhang, Baohui, Wang, Yuting, Dai, Jiale, Wu, Dianjia, Liu, Ying, Liang, Shujun, Xiao, Zhengyuan, Wang, Jiaqi, Wu, Deyun, Zheng, Xueqin, Chen, Fangfang, Shi, Kai, Tan, Xianting, Ding, Huaxin, Song, Sujiang, Zhang, Min, Lu	No
Anti-miRNA therapeutics for uterine fibroids	Biomedicine and Pharmacotherapy		2025	Sharad, Saxena, Maria Concetta, Volpe, Chiara, Agostinis, Simone, Vodret, Nadja Anneliese Ruth, Ring, Andrea, Colliva, Roman, Vuerrich, Luca, Braga, A., Cook-Catlette, Federico, Romano, Gabriella, Zito, Giovanni Di, Lorenzo, Blendì, Ura, Giuseppe, Ricci, Maurizio, Pinamonti, Roberta, Bulla, Serena, Zaccagna	No
Oxygen-regulated enzymatic nanoplatform for synchronous intervention in glycolysis and oxidative phosphorylation to augment antitumor therapy	Journal of Controlled Release		2025	Shanshan, Jiang, Wanyu, Li, Yifan, Zhang, Jing, Lin, Peng, Huang	No
Tumor microenvironment-activated and near-infrared light-driven free radicals amplifier for tetra-modal cancer imaging and synergistic treatment	Journal of Colloid and Interface Science		2025	Yadi, Fan, Jingyu, Shi, Ruolin, Zhang, Feng, Tian, Yu, Zhang, Li, Zhang, Mo, Yang	No
Synergistic drug combination screening using a nanodroplet processing platform to enhance neuroblastoma treatment in TH-MYCIN transgenic mice	Bioengineering and Translational Medicine		2025	Yen Tzu, Liao, Zhi Kai, Yu, Yi Xun, Huang, Kuan Hung, Lin, Ching Te, Kuo, Tsai Shan, Yang, Pei Yi, Wu, Chi Tai, Yeh, Yen Lin, Liu, Chien Chin, Chen, Chiung Nien, Chen, Wen Ming, Hsu, Hsinyu, Lee	No

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Glioblastoma targeting by water-soluble hypericin derivate HHL-PVP and photodynamic tumour killing	Biomedicine and Pharmacotherapy		2025	Djenana, Vejzovic, Andreas, Kubin, Karoline, Fechter, Christina, Karner, Jaana, Hartmann, Thomas, Ackerbauer, Branislav, Radović, Gerald, Ritter, Muammer, Uçal, Stefan, Ropele, Karlem Mahdy, Ali, Mario, Mischkulnig, Marlene, Leoni, Bernadette, Liegl-Atzwanger, Lionel, Wightman, Beate, Rinner	No
GMMA decorated with mucin 1 Tn/STn mimetics elicit specific antibodies response and inhibit tumor growth	npj Vaccines		2025	Elisa, Pesce, Andrea, Sodini, Elena, Palmieri, Silvia, Valensin, Cristina, Tinti, Marco, Rossi, Antonella, De Rosa, Marco, Fragai, Francesco, Papi, Chiara, Cordiglieri, Francesco, Berti, Renata, Grifantini, Francesca, Micoli, Cristina, Nativi	No
Targeting the hERG1/β1 integrin complex in lipid rafts potentiates statins anti-cancer activity in pancreatic cancer	Cell Death Discovery		2025	Claudia, Duranti, Jessica, Iorio, Valeria, Manganelli, Giacomina, Bagni, Rossella, Colasurdo, Tiziano, Lottini, Michele, Martirelli, Chiara, Capitani, Giulia, Boso, Franco Nicolas, D'Alessandro, Maurizio, Sorice, Andrea, Becchetti, Roberta, Misasi, Tina, Garofalo, Annarosa, Arcangeli	No
Ultrasound Visualization of Spatiotemporal Autophagy-Regulated Nanodroplets for Amplifying ICB in Melanoma via Remodeling Tumor Inflammatory Microenvironment	ACS Applied Materials and Interfaces		2025	Nianhong, Wu, Qin, Zhang, Rui, Tang, Liming, Deng, Yuting, Cao, Benxin, Fu, Hongmei, Dong, Zeyan, Huang, Li, Wan, Hongye, He, Yi, Lin, Junjie, Liu, Chunyu, Xia, Pan, Li	No
Development of Pd-Loaded Hf-Based Metal-Organic Framework as a Dual-Modal Contrast Agent for Photoacoustic Imaging and Computed Tomography	ACS Biomaterials Science and Engineering		2025	Yen Chang, Chen, Yu Sheng, Yu, Yu Kang, Wang, R. K., Rakesh Kumar, Cho Yin, Lee, Cheng Hsin, Chuang, Lun De, Liao, Kevin C.W., Wu	No
A Bi2O3-TiO2 Heterojunction for Triple-Modality Cancer Theranostics	International Journal of Nanomedicine		2025	Zhiyu, Zheng, Gareth R., Williams, Honghua, Guo, Yiliu, Zheng, Mengting, Xiu, Yanyan, Zhang, Huan, Zhang, Kai, Wang, Jindong, Xia, Yu, Wang, Li Min, Zhu	No
Direct Inhibition of RAS Reveals the Features of Oncogenic Signaling Driven by RAS G12 and Q61 Mutations		http://aacrjournals.org/cancerdiscovery/article-pdf/doi/10.1158/2159-8290.CD-24-...		Michelangelo, Marasco, Dinesh, Kumar, Santiago, Garcia Borrego, Tessa, Seale, Giulia, Maddalena, Riccardo, Mezzadra, Kylie, Belanger, Soren, Cole, Bryan, Perez, Wei, Luan, Radha, Mukherjee, Ilanca, Aricescu, Vladimir, Markov, Yuxin, Zhu, Sabrina, Arena, Alberto, Bardelli, Elisa, De Stanchina, Scott W, Lowe, Richard A, Burkhardt, Jacquelyn W, Zimmerman, Rona, Yaeger, Scott E, Kopetz, Neal, Rosen, Sandra, Misale	No
Sympathetic axonogenesis promotes adenoid cystic carcinoma progression	The Journal of experimental medicine		2025	Chun Hao, Chen, Boris, Reva, Nora, Katabi, Avishai, Wize, Hongbo, Xu, Alan L., Ho, Luc G.T., Morris, Richard L., Bakst, Anuraag S., Parikh, Yotam, Drier, Sylvie, Deborde, Richard J., Wong	No
Development of ultrasound-visualized tumor-targeting engineered bacteria for precise tumor therapy	Synthetic and Systems Biotechnology		2025	Li, Qu, Zhou, Chi, Zhen Ping, Zou, Ying, Zhou, Bang Ce, Ye	No
In Vitro and In Vivo Photothermal and Photoacoustic Activities of Polymeric Nanoparticles Loaded with Nickel, Palladium, and Platinum-Bis(dithiolene) Complexes	ChemMedChem		2025	Jean Baptiste, Pluta, Lamiaa M.A., Ali, Romain, Guechaicha, Victorien, Massé, Thiviya, Parthipan, Nathalie, Bellec, Sandrine, Cammas-Marion, Francois, Varray, Christophe, Nguyen, Magali, Gary-Bobo, Franck, Camerel	No
PEGylated gas vesicles: a promising novel ultrasound contrast agent for diagnosis and guiding radiofrequency ablation of liver tumor	Journal of Nanobiotechnology		2025	Kezhi, Yu, Yongquan, Huang, Yuanyuan, Wang, Qunyan, Wu, Zihang, Wang, Fei, Li, Jianri, Chen, Maierhaba, Yibulayin, Shushan, Zhang, Zhongzhen, Su, Fei, Yan	No
Enhanced Antitumor Efficacy and Reduced Cardiotoxicity of Ultrasound-Mediated Doxorubicin Delivery by Microbubble-Liposome Complexes	Ultrasound in Medicine and Biology		2025	Mingyu, He, Xucai, Chen, Francois, Yu, Bin, Qin, Huizhu, Wang, Linda, Lavery, Flordeliza S., Villanueva	No
Partial hepatectomy accelerates colorectal metastasis by priming an inflammatory premetastatic niche in the liver	Frontiers in Immunology		2024	Jost, Luenstedt, Fabian, Hoping, Reinhild, Feuerstein, Bernhard, Mauerer, Christopher, Berlin, Julian, Rapp, Lisa, Marx, Wilfried, Reichardt, Dominik, von Elverfeldt, Dietrich Alexander, Ruess, Dorothée, Plundrich, Claudia, Laessele, Andreas, Jud, Hannes Philipp, Neeff, Philipp Anton, Holzner, Stefan, Fichtner-Feigl, Rebecca, Kesselring	No
Refining Single-Atom Catalytic Kinetics for Tumor Homologous-Targeted Catalytic Therapy	Nano-Micro Letters		2025	Hengke, Liu, Shan, Lei, Hongyu, Li, Jiayingzi, Wu, Ting, He, Jing, Lin, Peng, Huang	No
Application of bioactive materials primary cilia as a novel delivery vehicle	Bioactive Materials		2025	Ayan K., Barui, Farideh, Amirrad, Vansh, Goel, Sharareh, Ohadi, Rajasekharreddy, Pala, Ashraf M., Mohieldin, Andromeda M., Nauli, Surya M., Nauli	No
Simvastatin-loaded liposomal nanoparticles as treatment for adenomyosis in a patient-derived xenograft mouse model: a pilot study	Journal of Obstetrics and Gynaecology		2025	Rachel, Michel, Kathleen L., Vincent, Gregory W., Kirschen, Massoud, Motamedi, Jamal, Saada, Jiping, Yang, Bulent, Ozpolat, Gokhan S., Kilic, Mostafa A., Borahay	No
Optimization of lymphatic drug delivery system with carboplatin for metastatic lymph nodes	Scientific Reports		2025	Miriu, Miyatsu, Ariunbuyan, Sukhbaatar, Radhika, Mishra, Arunkumar, Dorai, Shiro, Mori, Tetsuya, Kodama	No