

2022

Sayyadi, N, Justiniano, I, Wang, Y, Zheng, X, Zhang, W, Jiang, L, Polikarpov, DM, Willows, RD, Gillatt, D, Campbell, D, Walsh, BJ, Yuan, J, Lu, Y, Packer, NH, Wang, Y & Piper, JA 2022, 'Detection of rare prostate cancer cells in human urine offers prospect of non-invasive diagnosis', *Scientific Reports*, vol. 12, no. 1, 18452. <https://doi.org/10.1038/s41598-022-21656-9>

Zhang, W, Campbell, DH, Walsh, BJ, Packer, NH, Liu, D & Wang, Y 2022, 'Cancer-derived small extracellular vesicles: emerging biomarkers and therapies for pancreatic ductal adenocarcinoma diagnosis/prognosis and treatment', *Journal of Nanobiotechnology*, vol. 20, no. 1, 446. <https://doi.org/10.1186/s12951-022-01641-0>

Zhang, W, Wang, L, Li, D, Campbell, DH, Walsh, BJ, Packer, NH, Dong, Q, Wang, E & Wang, Y 2022, 'Phenotypic profiling of pancreatic ductal adenocarcinoma plasma-derived small extracellular vesicles for cancer diagnosis and cancer stage prediction: a proof-of-concept study', *Analytical Methods*, vol. 14, no. 23, pp. 2255-2265. <https://doi.org/10.1039/d2ay00536k>

Chen, Y, Shimoni, O, Huang, G, Wen, S, Liao, J, Duong, HTT, Maddahfar, M, Su, QP, Ortega, DG, Lu, Y, Campbell, DH, Walsh, BJ & Jin, D 2022, 'Upconversion nanoparticle-assisted single-molecule assay for detecting circulating antigens of aggressive prostate cancer', *Cytometry Part A*, vol. 101, no. 5, pp. 400-410. <https://doi.org/10.1002/cyto.a.24504>

2021

Polikarpov, DM, Campbell, DH, Zaslavsky, AB, Lund, ME, Wu, A, Lu, Y, Palapattu, GS, Walsh, BJ, Zvyagin, AV & Gillatt, DA 2021, 'Glypican-1 as a target for fluorescence molecular imaging of bladder cancer', *International Journal of Urology*, vol. 28, no. 12, pp. 1290-1297. <https://doi.org/10.1111/iju.14683>

2020

Liu, Y, Lin, G, Chen, Y, Mönch, I, Makarov, D, Walsh, BJ & Jin, D 2020, 'Coding and decoding stray magnetic fields for multiplexing kinetic bioassay platform', *Lab on a Chip*, vol. 20, no. 24, pp. 4561-4571. <https://doi.org/10.1039/d0lc00848f>

Shore, ND, Pieczonka, CM, Henderson, RJ, Bailen, JL, Saltzstein, DR, Concepcion, RS, Beebe-Dimmer, JL, Ruterbusch, JJ, Le, TH, Levin, RA, Wissmueller, S, Prah, P, Borotkanics, R, Paivanas, TA, van Breda, A, Campbell, DH & Walsh, BJ 2020, 'A comparison of prostate health index, total PSA, %free PSA, and proPSA in a contemporary US population: the MiCheck-01 prospective trial', *Urologic Oncology: Seminars and Original Investigations*, vol. 38, no. 8, 683, pp. 683.e1-683.e10. <https://doi.org/10.1016/j.urolonc.2020.03.011>

Shore, ND, Pieczonka, CM, Henderson, RJ, Bailen, JL, Saltzstein, DR, Concepcion, RS, Beebe-Dimmer, JL, Ruterbusch, JJ, Levin, RA, Wissmueller, S, Le, TH, Gillatt, D, Chan, DW, Campbell, DH & Walsh, BJ 2020, 'Development and evaluation of the MiCheck test for aggressive prostate cancer', *Urologic Oncology: Seminars and Original Investigations*, vol. 38, no. 8, pp. 683.e11-683.e18. <https://doi.org/10.1016/j.urolonc.2020.03.010>

Liang, L, Care, A, Sunna, A, Campbell, D, Walsh, B, Zvyagin, A, Gillatt, D & Polikarpov, D 2020, 'Photoluminescent nanoconjugates for molecular imaging of bladder cancer', *Clinical Cancer Research*, vol. 26, no. 15, B27, pp. 60-60. <https://doi.org/10.1158/1557-3265.BLADDER19-B27>

Zhang, W, Jiang, L, Diefenbach, RJ, Campbell, DH, Walsh, BJ, Packer, NH & Wang, Y 2020, 'Enabling sensitive phenotypic profiling of cancer-derived small extracellular vesicles using surface-enhanced Raman spectroscopy nanotags', *ACS Sensors*, vol. 5, no. 3, pp. 764-771. <https://doi.org/10.1021/acssensors.9b02377>

Rzhevskiy, AS, Bazaz, SR, Ding, L, Kapitannikova, A, Sayyadi, N, Campbell, D, Walsh, B, Gillatt, D, Warkiani, ME & Zvyagin, AV 2020, 'Rapid and label-free isolation of tumour cells from the urine of patients with localised prostate cancer using inertial microfluidics', *Cancers*, vol. 12, no. 1, 81, pp. 1-11. <https://doi.org/10.3390/cancers12010081>

2019

Polikarpov, D, Liang, L, Care, A, Sunna, A, Campbell, D, Walsh, B, Balalaeva, I, Zvyagin, A, Gillatt, D & Guryev, E 2019, 'Functionalized upconversion nanoparticles for targeted labelling of bladder cancer cells', *Biomolecules*, vol. 9, no. 12, 820, pp. 1-11. <https://doi.org/10.3390/biom9120820>

Polikarpov, D, Campbell, D, McRobb, L, Zaslavsky, A, Zvyagin, A, Walsh, B, Palapattu, G & Gillatt, D 2019, 'Application of Miltuximab-IRDye800 for near-infrared fluorescence imaging of urothelial carcinoma in vivo', American Association of Cancer Research Meeting, Denver, United States, 18/05/19 - 21/05/19 pp. 34-35

Shore, ND, Saltzstein, DR, Pieczonka, CM, Beebe-Dimmer, JL, Ruterbusch, JJ, Campbell, D & Walsh, B 2019, 'MiCheck performance: comparator trial of MiCheck with PHI, % free PSA and PSA—the impact on decision making for prostate biopsy', 2019 Genitourinary Cancers Symposium, San Francisco, United States, 14/02/19 - 16/02/19 pp. 199. https://doi.org/10.1200/JCO.2019.37.7_suppl.199

Polikarpov, D, Campbell, D, Zaslavsky, A, Zvyagin, A, Walsh, B, Palapattu, G & Gillatt, D 2019, 'Molecular imaging of transitional cell carcinoma by Miltuximab®', *BJU International*, vol. 123, no. S2, pp. 23-24

2018

Levin, RA, Lund, ME, Truong, Q, Wu, A, Shore, ND, Saltzstein, DR, Concepcion, RS, Paivanas, TA, Breda, AV, Beebe-Dimmer, J, Ruterbusch, JJ, Wissmueller, S, Campbell, DH & Walsh, BJ 2018, 'Development of a reliable assay to measure glypican-1 in plasma and serum reveals circulating glypican-1 as a novel prostate cancer biomarker', *Oncotarget*, vol. 9, no. 32, pp. 22359-22367. <https://doi.org/10.18632/oncotarget.25009>

Campbell, DH, Lund, ME, Nocon, AL, Cozzi, PJ, Frydenberg, M, De Souza, P, Schiller, B, Beebe-Dimmer, JL, Ruterbusch, JJ & Walsh, BJ 2018, 'Detection of glypican-1 (GPC-1) expression in urine cell sediments in prostate cancer', *PLoS ONE*, vol. 13, no. 4, e0196017. <https://doi.org/10.1371/journal.pone.0196017>

Shore, ND, Pieczonka, CM, Henderson, RJ, Bailen, JL, Beebe-Dimmer, JL, Ruterbusch, JJ, Saltzstein, DR, Concepcion, RS, Borotkanics, R, Levin, R, Wissmueller, S, Campbell, D & Walsh, B 2018, 'Evaluation of the MiCheck MIA test performance in differentiating aggressive from non-aggressive prostate cancer: the MiCheck-01 prospective trial', *Journal of Clinical Oncology*, vol. 36, no. 6, pp. TPS152. https://doi.org/10.1200/jco.2018.36.6_suppl.tps152

2017

Wu, D, Ni, J, Beretov, J, Cozzi, P, Willcox, M, Wasinger, V, Walsh, B, Graham, P & Li, Y 2017, 'Urinary biomarkers in prostate cancer detection and monitoring progression', *Critical Reviews in Oncology/Hematology*, vol. 118, pp. 15-26. <https://doi.org/10.1016/j.critrevonc.2017.08.002>

Polikarpov, D, Sabaretnam, T, Liang, L, Care, A, Sunna, A, Campbell, D, Walsh, B, Guillemin, G, Zvyagin, A & Gillatt, D 2017, 'Targeted upconversion photoluminescent nanoconjugates selectively label TCC cells expressing Glypican-1', *BJU international*, vol. 119, no. Suppl. 2, pp. 72-72.

Campbell, D, Velonas, V, Soon, JT, Wissmueller, S, Gillatt, D & Walsh, B 2017, 'A multivariate index analyte (MIA) assay for differentiating aggressive from nonaggressive prostate cancer', *Journal of Clinical Oncology*, vol. 35, no. 6, e588. https://doi.org/10.1200/JCO.2017.35.6_suppl.e588

2016

Shi, Y, Shi, B, Dass, AVE, Lu, Y, Sayyadi, N, Kautto, L, Willows, RD, Chung, R, Piper, J, Nevalainen, H, Walsh, B, Jin, D & Packer, NH 2016, 'Stable upconversion nanohybrid particles for specific prostate cancer cell immunodetection', *Scientific Reports*, vol. 6, 37533, pp. 1-11. <https://doi.org/10.1038/srep37533>

Sayyadi, N, Justiniano, I, Connally, RE, Zhang, R, Shi, B, Kautto, L, Everest-Dass, AV, Yuan, J, Walsh, BJ, Jin, D, Willows, RD, Piper, JA & Packer, NH 2016, 'Sensitive Time-Gated Immunoluminescence Detection of Prostate Cancer Cells Using a TEGylated Europium Ligand', *Analytical Chemistry*, vol. 88, no. 19, pp. 9564-9571. <https://doi.org/10.1021/acs.analchem.6b02191>

Yeh, M-C, Jeet, V, Wissmueller, S, Campbell, DH, Walsh, BJ, Nelson, CC & Russell, PJ 2016, 'Glypican-1: a new biomarker for the detection of prostate cancer', *BJU International*, vol. 118, no. S1, 038, pp. 27.

Truong, Q, Justiniano, IO, Nocon, AL, Soon, JT, Wissmueller, S, Campbell, DH & Walsh, BJ 2016, 'Glypican-1 as a biomarker for prostate cancer: Isolation and characterization', *Journal of Cancer*, vol. 7, no. 8, pp. 1002-1009. <https://doi.org/10.7150/jca.14645>

2015

Walsh, B 2015, 'Multianalyte assay for prostate cancer', *BJU international*, vol. 116, no. S1, pp. 46-46. <https://doi.org/10.1111/bju.13198>