





















- [63] Thomas SN, Vokali E, Lund AW, Hubbell JA, Swartz MA. Targeting the tumor-draining lymph node with adjuvanted nanoparticles reshapes the anti-tumor immune response. *Biomaterials* 2014; 35(2): 814-24. <http://dx.doi.org/10.1016/j.biomaterials.2013.10.003>
- [64] Rahimian S, Kleinovink JW, Franssen MF, et al. Near-infrared labeled, ovalbumin loaded polymeric nanoparticles based on a hydrophilic polyester as model vaccine: *In vivo* tracking and evaluation of antigen-specific CD8(+) T cell immune response. *Biomaterials* 2015; 37: 469-477. <http://dx.doi.org/10.1016/j.biomaterials.2014.10.043>
- [65] Cruz LJ, Tacken PJ, Zeelenberg IS, et al. Tracking targeted bimodal nanovaccines: Immune responses and routing in cells, tissue, and whole organism. *Mol Pharm* 2014; 11: 4299-4313. <http://dx.doi.org/10.1021/mp400717r>
- [66] Yoshizaki Y, Yuba E, Sakaguchi N, Koiwai K, Harada A, Kono K. Potentiation of pH-sensitive polymer-modified liposomes with cationic lipid inclusion as antigen delivery carriers for cancer immunotherapy. *Biomaterials* 2014; 35(28): 8186-96. <http://dx.doi.org/10.1016/j.biomaterials.2014.05.077>
- [67] Rice J, Ottensmeier CH, Stevenson FK. DNA vaccines: Precision tools for activating effective immunity against cancer. *Nat Rev Cancer* 2008; 8: 108-120. <http://dx.doi.org/10.1038/nrc2326>
- [68] Shah MA, He N, Li Z, Ali Z, Zhang L. Nanoparticles for DNA vaccine delivery. *J Biomed Nanotechnol* 2014; 10(9): 2332-49. <http://dx.doi.org/10.1166/jbn.2014.1981>
- [69] Zhao L, Seth A, Wibowo N, et al. Nanoparticle vaccines. *Vaccine* 2014; 32(3): 327-37. <http://dx.doi.org/10.1016/j.vaccine.2013.11.069>
- [70] Cui Z, Han SJ, Vangasseri DP, Huang L. Immunostimulation mechanism of LPD nanoparticle as a vaccine carrier. *Mol Pharm* 2005; 2(1): 22-8. <http://dx.doi.org/10.1021/mp049907k>
- [71] Fang RH, Hu CM, Luk BT, et al. Cancer cell membrane-coated nanoparticles for anticancer vaccination and drug delivery. *Nano Lett* 2014; 14(4): 2181-8. <http://dx.doi.org/10.1021/nl500618u>
- [72] Gross BP, Wongrakpanich A, Francis M, Saleem AK, Norian LA. A therapeutic microparticle-based tumor lysate vaccine reduces spontaneous metastases in murine breast cancer. *AAPS J* 2014; 16(6): 1194-203. <http://dx.doi.org/10.1208/s12249-014-9662-z>
- [73] Wang C, Zhuang Y, Zhang Y, et al. Toll-like receptor 3 agonist complexed with cationic liposome augments vaccine-elicited antitumor immunity by enhancing TLR3-IRF3 signaling and type I interferons in dendritic cells. *Vaccine* 2012; 30(32): 4790-9. <http://dx.doi.org/10.1016/j.vaccine.2012.05.027>
- [74] Rothemund PW. Folding DNA to create nanoscale shapes and patterns. *Nature* 2006; 440(7082): 297-302. <http://dx.doi.org/10.1038/nature04586>
- [75] Yan J, Hu C, Wang P, et al. Growth and origami folding of DNA on nanoparticles for high-efficiency molecular transport in cellular imaging and drug delivery. *Angew Chem Int Ed Engl* 2015; 54(8): 2431-5. <http://dx.doi.org/10.1002/anie.201408247>
- [76] Zhang Q, Jiang Q, Li N, et al. DNA origami as an *in vivo* drug delivery vehicle for cancer therapy. *ACS Nano* 2014; 8(7): 6633-43. <http://dx.doi.org/10.1021/nn502058j>
- [77] Cho Y, Lee JB, Hong J. Controlled release of an anti-cancer drug from DNA structured nano-films. *Sci Rep* 2014; 4: 4078. <http://dx.doi.org/10.1038/srrep04078>
- [78] Wang ZG, Ding B. Engineering DNA self-assemblies as templates for functional nanostructures. *Acc Chem Res* 2014; 47(6): 1631-62. <http://dx.doi.org/10.1021/ar400305g>
- [79] Mou Y, Yu JY, Wannier TM, Guo CL, Mayo SL. Computational design of co-assembling protein-DNA nanowires. *Nature* 2015; 525(7568): 230-3. <http://dx.doi.org/10.1038/nature14874>
- [80] Prata D, Surana S, Chakraborty S, Koushika SP, Krishnan K. A synthetic icosahedral DNA-based host-cargo complex for functional *in vivo* imaging. *Nat Commun* 2011; 2: 339. <http://dx.doi.org/10.1038/ncomms1337>
- [81] Zhang H, Ma Y, Xie Y, et al. A controllable aptamer-based self-assembled DNA dendrimer for high affinity targeting, bioimaging and drug delivery. *Sci Rep* 2015; 5: 10099. <http://dx.doi.org/10.1038/srep10099>
- [82] Lee H, Lytton-Jean AK, Chen Y, et al. Molecularly self-assembled nucleic acid nanoparticles for targeted *in vivo* siRNA delivery. *Nat Nanotechnol* 2012; 7(6): 389-93. <http://dx.doi.org/10.1038/nnano.2012.73>
- [83] Amir Y, Ben-Ishay E, Levner D, Ittah S, Abu-Horowitz A, Bachelet I. Universal computing by DNA origami robots in a living animal. *Nat Nanotechnol* 2014; 9(5): 353-7. <http://dx.doi.org/10.1038/nnano.2014.58>
- [84] Douglas SM, Bachelet I, Church GM. A logic-gated nanorobot for targeted transport of molecular payloads. *Science* 2012; 335(6070): 831-4. <http://dx.doi.org/10.1126/science.1214081>