

Daniel G. Anderson

Selected Publications

Mei, Y., et al. (2010) Combinatorial Development of Biomaterials for Clonal Growth of Human Pluripotent Stem Cells, (*Nature Materials*, in press).

Yang, F., et al. (2010) Genetic Engineering of Human Stem Cells for Enhanced Angiogenesis Using Biodegradable Polymeric Nanoparticles (*Proceedings of the National Academy of Sciences*, in press).

Love, K. T., et al. (2010) Lipid-Like Materials for Low Dose, in vivo Gene Silencing (*Proceedings of the National Academy of Sciences*, 107 (5) pg 1864-1869).

Sunshine, J., et al (2009) Small molecule end group of linear polymer determines cell-type gene delivery efficacy (*Advanced Materials*, 21(48) pg 4947-).

Huang, Y H. (2009) et al. Nanoparticle-Delivered Suicide Gene Therapy Effectively Reduces Ovarian Tumor Burden in Mice (*Cancer Research*, 69 (15) pg 6184 - 6191).

Mei, Y., et al. (2009) Mapping the Interactions among Biomaterials, Adsorbed Proteins, and Human Embryonic Stem Cells. (*Advanced Materials*, 21 pg 2781-2786).

Whitehead, et al. (2009) Breaking Down Barriers: An Update on siRNA Delivery (2009). (*Nature Reviews Drug Delivery*, 8(2) 129-138) **(Cover Feature)**

Huang, Y., et al. (2009) Claudin-3 Gene Silencing with Small Interfering RNA Suppresses Ovarian Tumor Growth and Metastasis. (*Proceedings of the National Academy of Sciences*, 106: 3426-3430).

Akinc, A, et al. (2008) A Combinatorial Library of Lipid-Like Materials for Delivery of RNAi Therapeutics. (*Nature Biotechnology*, 26(5) 561-569). **(Cover Feature)**

John, M., et al. (2007) Effective RNAi-Mediated Gene Silencing Without Interruption of the Endogenous miRNA Pathway (*Nature*, 449(7163): 745 -747)

Green, J. J., et al (2007) Combinatorial Modifications of Degradable Polymers Enable Transfection of Human Cells Comparable to Adenovirus (*Advanced Materials*, 19: 2836-2842) **(Inside Cover Feature)**

Anderson, D. G., et al. (2004) Smart Biomaterials. (*Science*, **305**(5692), 1923-1924).

Anderson, D. G., et al. (2004) Rapid, Nanoliter-Scale Synthesis and Screening of Arrayed Biomaterials: Application to Human Embryonic Stem Cells. (*Nature Biotechnology*, **22**(7), 863-866).

Anderson, D. G., et al. (2003) Semi-automated synthesis and screening of a large library of degradable cationic polymers for gene delivery. (*Angewandte Chemie*, **42**, 3153-3158).