

Name: Dr. Neetu Singh

Division: Polymer Science and Engineering

Email: neetu.singh@ncl.res.in

Phone: 020-2590-3001

Fax: 020-2590-2618, 020-2590-2615



- Education and experience
- PhD : Georgia Institute of Technology, Atlanta, GA, USA
 - Post-doc: Massachusetts Institute of Technology, Cambridge, MA, USA
- Achievements
- Mazumdar-Shaw International Oncology Fellow, MIT 2012
- Research subjects:
- Polymers and Materials chemistry
 - Nanotechnology
 - Biomaterials & Tissue Engineering
- Research Areas
- Structure-activity relationships in design of biologically relevant nanostructures
 - “Smart” Functional Nanomaterials (drug delivery, biosensors and biomedical implant coatings)
 - Tissue engineering
- Selected Recent publications
- Kim, J.; **Singh, N.**; Lyon, L. A., Angew. Chem. Intl. Ed., 45, (2006), 1446-1449.
 - **Singh, N.**; Lyon, L. A, Chemistry of Materials, 19, (2007), 719 - 726. (Listed among most accessed articles in Jan-March, 2007)
 - **Singh, N.**; Bridges, A. W.; García, A. J.; Lyon, L. A, Biomacromolecules, 8, (2007), 3271-3275.
 - **Singh, N.**; Lyon, L.A., Colloid and Polymer Science, 286, (2008), 1061-1069.
 - Bridges A. W; **Singh, N.**; Burns K.L.; Babensee J. E.; Lyon L. A.; García A. J., Biomaterials, 29, (2008), 4605–4615.
 - Bridges, A. W.; Whitmire, R. E.; **Singh, N.**; Templeman, K.L.; Babensee, J. E.; Lyon, L. A.; García, A. J., Journal of Biomedical Materials Research, 94A, (2010,) 252-258.
 - **Singh, N.**; Agrawal, A.; Leung, A. K. ; Sharp, P.A.; Bhatia, S.N., J. Am. Chem. Soc., 132, (2010), 8241–8243
 - von Maltzahn, G.; Park, J. H.; Lin, K. Y.; **Singh, N.**; Schwöppe, C.; Mesters, R; Berdel, W. E.; Ruoslahti, E.; Sailor, M.J.; Bhatia, S.N., Nature Materials, 10, (2011), 545–552.
 - **Singh, N.**; Karambelkar, A.; Gu, L.; Sailor, M.J.; Bhatia, S.N., J. Am. Chem. Soc, 133, (2011), 19582–19585.