

Appendix 2

Publications and Presentations

Publications

1. Rafati, A., et al., *Quantitative XPS depth profiling of codeine loaded poly(L-lactic acid) films using a coronene ion sputter source*. Journal of Controlled Release, 2009. **138**(1): p. 40-44.
2. Shard, A.G., et al., *Organic Depth Profiling of a Binary System: the Compositional Effect on Secondary Ion Yield and a Model for Charge Transfer during Secondary Ion Emission*. Journal of Physical Chemistry B, 2009. **113**(34): p. 11574-11582.
3. Rafati, A., et al., *Scrutiny of controlled release protein loaded PLGA microspheres using surface analytical techniques*. Journal of Pharmacy and Pharmacology, 2010. **62**(10): p. 1348-1349.

Presentations

1. Characterisation of drug loaded polymer films: assessment of C₆₀⁺ A. Rafati, A.G. Shard, M.R. Alexander and M.C. Davies, SIMS Europe 2008.
2. Characterisation of drug loaded polymer films using ToF-SIMS and XPS depth profiling., A. Rafati, A.G. Shard, M.R. Alexander and M.C. Davies, Nano- Molecular Analysis for Emerging Technologies / Surface Science of Biologically Important Interfaces 2008. Second poster prize awarded.
3. ToF-SIMS and XPS Depth Profiling of Codeine in PLA A. Rafati, A.G. Shard, G. Mishra, M.R. Alexander and M.C. Davies. International Symposium on Recent Advances in Drug Delivery Systems and Controlled Release Society Annual meeting 2009.
4. Visualising surfactant and protein distribution within PLGA microspheres for controlled drug release. A. Rafati, A. Boussahel, A.G. Shard, K.M Shakesheff, P.T. Whiteside, S. Rigby-Singleton, C.J. Roberts, X.Chen, D.J. Scurr, M.R. Alexander and M.C. Davies. Controlled Release Society Annual meeting 2010, UKPharmSci 2010 and UKSAF 2010 (Podium & Poster). Seah award for young surface analysis of the year awarded.