DALE L. HUBER

Staff Scientist

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Education

2/00 – 2/02	Biomaterials & Interfaces Dept, Sandia National Labs, Post-doctoral Associate
10/97 – 2/00	University of Connecticut, Ph.D. in Polymer Science
10/96 – 9/97	University of Connecticut, M.S. in Polymer Science
9/91 – 5/95	University of Pennsylvania, B.A. in Chemistry

Appointments

10/05-Present	Principal Member of the Technical Staff, Sandia National Laboratories Center for Integrated Nanotechnologies. Research is focused on novel synthesis and properties of nanoscale materials and composites. Inorganic nanoparticles and polymer monolayers are particularly emphasized.
2/02 – 10/05	Senior Member of the Technical Staff, Sandia National Laboratories Nanostructures & Advanced Materials Chemistry Dept. Synthesis of magnetic nanoparticles and in situ growth of nanoscopic polymer films.

Publications

1. Huber, D.L., Manginell, R.P., Samara, M.A., Kim, B.I., and Bunker, B.C., *Programmed adsorption and release of proteins in a microfluidic device.* Science, 2003. 301(5631): p. 352-354.
2. Orendorff, C.J., Huber, D.L., and Bunker, B.C., *Effects of Water and Temperature on Conformational Order in Model Nylon Thin Films.* Journal of Physical Chemistry C, 2009. 113(31): p. 13723-13731.
3. Liu, J., Lin, Y.H., Liang, L., Voigt, J.A., Huber, D.L., Tian, Z.R., Coker, E., McKenzie, B., and McDermott, M.J., *Templateless assembly of molecularly aligned conductive polymer nanowires: A new approach for oriented nanostructures.* Chemistry-A European Journal, 2003. 9(3): p. 605-611.
4. Yim, H., Kent, M.S., Huber, D.L., Satija, S., Majewski, J., and Smith, G.S., *Conformation of end-tethered PNIPAM chains in water and in acetone by neutron reflectivity.* Macromolecules, 2003. 36(14): p. 5244-5251.
5. Bunker, B.C., Huber, D.L., Kushmerick, J.G., Dunbar, T., Kelly, M., Matzke, C., Cao, J.G., Jeppesen, J.O., Perkins, J., Flood, A.H., and Stoddart, J.F., *Switching surface chemistry with supramolecular machines.* Langmuir, 2007. 23(1): p. 31-34.

Collaborators and Co-editors in last 4 years*:* Natalie Adolphi (Univ. of New Mexico), Nelson S. Bell (Sandia National Laboratories), Howard Bryant (Univ. of New Mexico), Bruce C. Bunker (Sandia National Laboratories), Jim Erskine (UT, Austin), Ed Flynn (Senior Scientific), Glenn T. Fredrickson (UCSB), Jeffery T. Koberstein (Columbia U.), Richard Larson (Univ. of New Mexico), J. Ping Liu (UT, Arlington), Jun Liu (Pacific Northwestern National Laboratories), Ronald P. Manginell (Sandia National Laboratories), James E. Martin (Sandia National Laboratories), Paula Provencio (Sandia National Laboratories), Christopher J. Orendorff (Sandia National Laboratories), Dale W. Schaefer (Univ of Cincinnati), J. Fraser Stoddart (Northwestern U.), Eugene L. Venturini (Sandia National Laboratories).

Graduate and Postdoctoral Advisors*:* Professor Thomas A. P. Seery (University of Connecticut); Dr. Bruce C. Bunker (Sandia National Laboratories)

Thesis Advisor and Postgraduate-Scholar Sponsor*:* Dr. Thomas Phely-Bobin (QinetiQ), Dr. Benjamin Frankamp (Bend Research), Dr. Judith Lavin (Sandia National Laboratories), Mr. Todd Monson, M.S. (Sandia National Laboratories), Mr. Sandip Argekar (University of Cincinnati).