

Senior Scientist- Bedford, MA

Scientist / Engineer to research and develop novel porous materials designed for a range of liquid-phase separations associated with the manufacture of therapeutic biopharmaceuticals and vaccines.

Millipore is looking for a senior-level researcher to lead technical programs aimed at advancing adsorptive-based bioseparation technologies. The successful researcher will plan and execute projects directed at developing micro/nano-porous structures and appropriate surface chemistries to enable cost-effective separations for the preparation, recovery, and purification of biopharmaceutical products. The researcher will possess the knowledge and skills to (1) elucidate the chemical nature of interactions between native and modified porous solids and biological entities (cellular and molecular), (2) leverage such understanding to define chemical surface properties most effective in target separations and (3) develop materials and methods to create adsorptive porous materials that achieve cost and performance objectives.

In this position, the researcher will interact with a variety of business functions outside of R&D to develop and refine user needs and requirements, support alpha/beta prototype field trials, and assist in the scale up of manufacturing processes.

Other responsibilities include presentations at internal and external forums, representing Millipore within professional societies, and advising senior management on long range technology planning.

Requirements: Ph.D. in polymer, organic, or physical chemistry; material science; chemical, biochemical or biomedical engineering; or related discipline with 7 years industrial experience in a related field, or M.S in any of the same disciplines with 8 – 12 years industrial experience in a related field. The preferred candidate will have a basic knowledge of cell biology and general biochemistry – advanced knowledge of and practice in protein separations are considered high value assets.