TeraPore Technologies is a venture-backed startup developing cutting edge nanoseparations materials for the biopharmaceutical market and beyond. Our team is comprised of PhD scientists, separation experts, and biopharma industry veterans, all passionate about enabling safer, cleaner life science products.

TeraPore is seeking a self-motivated Senior Synthetic Chemist to spearhead novel, compatible chemical surface modifications of our next-generation, block copolymer based nanoseparation platform technology. The scientist in this role will work with an interdisciplinary team of scientists and engineers with the ambitious yet important goal to elucidate the interactions between Terapore's membrane surface and proteins. This position is based in our South San Francisco facility.

The scientist in this position will investigate various viable synthetic routes to modify the interface of the membranes after they have been formed. We are seeking an out-of-the box thinker who can propose post-modification strategies in either dry or wet environment, but within the compatibility boundaries of our tri-block copolymer membranes. A background in synthetic chemistry is critical for the success of this role. Familiarity with polymer chemistry and surface science is a plus.

Responsibilities:

- Develop new surface modification chemistries and conjugation techniques for current and next-gen applications for TeraPore's novel bioseparation platform.
- Propose out-of-the-box surface conjugation strategies within the compatibility boundaries of our tri-block copolymer.
- Perform the proposed chemical surface modifications and validate novel approaches by a variety of analytical tools.
- Creatively utilize equipment and tools to efficiently generate meaningful data related to membrane surface modification and characteristics.
- Work collaboratively and in a multi-disciplinary environment to develop and understand complex interactions between membrane interfaces and bio-polymers (i.e. proteins).
- Write progress reports and other required documentation.

Requirements:

- Minimum Master's degree in synthetic chemistry (small molecules or polymers) or related field required, PhD preferred.
- Strong background in new synthetic method development; ideally with a focus in aqueous based-chemistry, surface conjugation techniques and post-synthetic polymer modification.
- 5+ years of industrial working experiences required.
- The following expertise is considered a plus:
    - Strong fundamental knowledge of surface chemistry with emphasis on controlled living polymerization techniques
    - Knowledgeable in various vacuum-based chemistries such as CVD or PVD

    - A working knowledge of surface analysis techniques (XPS, AFM, fluorescence microscopy etc.)
    - Understanding and previous implementation of DOE in combination with statistical modeling
- Established track record of executing in an interdisciplinary team, with the ability to delegate, and identify resources needed in a fast-paced environment.
- High attention to detail and accuracy in developing, reviewing, and following protocols.
- Excellent communication and writing skills.
- Ability to work in an interdisciplinary and dynamic small-team environment.

Please apply directly at https://boards.greenhouse.io/terapore/jobs/3725362.