Senior Coatings Engineer
LiquiGlide - Greater Boston Area

Job description

The Senior Coatings Engineer works with teams to develop liquid-impregnated surface (LIS) coatings for new applications, tests those coatings, and contributes to client scale-up of the final product solution. Additionally, we expect the coatings engineer to study and experiment independently to gain expertise that will enable them to grow critical R&D and project management functions as the company rapidly scales.

LiquiGlide is an exciting, fast-growing start-up located in Cambridge, MA. Originally developed at MIT, the technology allows us to create slippery "Liquid-impregnated coatings" that seem to defy physics. Coatings can be made from an infinite number of materials including food, giving it endless possibilities: a mayonnaise bottle, a toothpaste tube, a medical stent, an oil pipeline, a manufacturing line, etc.

Having won a variety of innovation awards and been featured on CNN, NBC, ABC News, The New York Times and The Huffington Post, top companies across the world have recognized the potential of LiquiGlide’s technology. We are in the exciting position of working with some of the largest and most successful businesses across many industries.

We are forming a team of passionate, high-caliber scientists and business people with a mission to bring this groundbreaking technology to many markets.

Responsibilities

- Study and apply liquid-impregnated surface science to the development of new coating formulations, for targeted applications
- Be a strong member of the coating development team nurturing a creative and problem-solving environment
- Design and conduct experiments to assess the feasibility of new applications with existing coatings
- Attend tutorials and training sessions, to rapidly master and be able to apply LIS science
- Serve as the technical point of contact with clients and partners
- Provide support in the introduction of new equipment and processes
- Lead development projects after mastery of LIS science

Desired Skills and Experience

- Masters or Doctoral degree in mechanical engineering, chemical engineering, or physical chemistry
- Strong background in physical chemistry of surfaces, or interfacial phenomena
- Strong desire to learn and apply new science, and to rapidly grow professionally
- Strong interpersonal and communication skills
- Significant hands-on laboratory experience

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