Chemist – Synthetic Organic Chemist (Ph.D.)

Next Energy Technologies (NEXT) is looking for a Ph.D. Chemist to join our organic photovoltaic (OPV) team. We are seeking highly motivated applicants who pride themselves on outstanding work, and relish the opportunity to work in a fast paced startup environment. NEXT is a startup developing game-changing semi-transparent photovoltaic windows. Successful applicants can expect exceptional opportunities and an exciting work environment where passion, teamwork, and results are core values.

Employment Type: Full Time
Location: Santa Barbara, CA
Basic Job Functions: The design and synthesis of novel organic semiconducting small molecule dyes.
Responsibilities:

• Design and synthesis of organic semiconducting small-molecule dyes.
• Multi-step organic synthesis
• Organic compound purification.
• Basic lab maintenance and upkeep.
• Report writing.
• Proposal writing.
• Patent reading/writing.
• Mentoring.

Minimum Requirements:

• Education: Ph.D. in Chemistry with doctoral/post-doctoral experience in organic electronics (OPV, OLED, OTFT).
• Expert at multi-step synthesis of complex organic small molecules.
• Expert knowledge in the characterization of organic molecules including multi-nuclear NMR, 2D NMR, IR, UV-Vis, Mass-Spec, and CV is required
• Expert in Schlenk techniques, handling air and moisture sensitive reagents.
• Expert with all common small molecule purification techniques
• Excellent working knowledge of OPV devices and their synthesis/characterization is required.
• Must be comfortable working from small (0.01 g), to moderate (0.5 kg), scale.
• Attention to detail and accuracy is a must.
• Excellent communication and interpersonal skills.
• Must be able to work well and safely without close direction.
• Must be hands on, must be able to lift 50 lbs., and must be able to stand for long periods of time.
• Must interface successfully with engineers and personnel of other disciplines.

Salary/Benefits: NEXT offers competitive salary and benefits

To apply for this position e-mail a resume of your background and qualifications to:

chemjobs@nextenergytech.com

Equal Opportunity Employer Statement: Next Energy Technologies, Inc. is an Equal Opportunity Employer (EDE) that values and respects the importance of a diverse and inclusive workforce. It is the policy of the company to recruit, hire, train and promote persons in all job titles without regard to race, color, religion, sex, age, national origin, veteran status, disability, sexual orientation, or gender identity.