

Job Title: Synthetic Organic Chemist
Job Types: Full-time, Part-time, contract, senior and junior roles
Location: Rochester, NY
Start Date: Immediately
Apply: send resume to careers@andluca.com



Interested in joining a fast-growing optoelectronics company composed of leading scientists and product designers?

Andluca is seeking a Synthetic Organic Chemist with experience researching and developing molecular semiconductors for optoelectronic thin-film technologies, or in a related field such as drug development. You will work within a team of scientists and engineers to rapidly establish structure-property relationships between candidate materials and optoelectronic behavior. Your ideas and ownership of material synthesis, characterization, and iterative exploration of candidate materials will be key for developing advanced materials for use in new technologies and products. This position is a rare opportunity to join a strong scientific and engineering team growing into a leading advanced materials company. This position is full-time, based in Rochester, NY.

Scope of Position:

- (1) Contribute to design of, and carry out multi-step syntheses of intermediates, building blocks and final products. Projects can range from early stage, exploratory R&D to later-stage synthesis scale-up and purification, in partnership with internal and external team members.
- (2) Provide scientific leadership in a laboratory setting, with organic synthesis, characterization, and purification equipment, in collaboration with other scientists.
- (3) Work collaboratively with internal and external partners to identify and propose promising candidate materials.

Duties and Responsibilities:

- Serves as a technical subject matter expert for synthetic chemistry processes and practices.
- Creates and improves documentation for the synthesis of candidate compounds.
- Maintains best practices in organic synthesis and material characterization.
- Contributes to transition of lab-scale syntheses to pilot-scale material production.
- Conducts process optimization to improve cost, output, yield & quality.
- Ensures quality standards and specifications of materials through synthesis and characterization.
- Provides day-to-day chemistry support to scientific and engineering team.
- Manages solvent, reagent, and gas cylinder sourcing and associated waste collection and pick-up.
- Maintains up-to-date materials safety data sheets and emergency procedures.

Skills:

- (1) Expertise & experience synthesizing, purifying, and characterizing organic compounds;
- (2) Knowledge of common industrial processes and testing protocols for organic compounds;
- (3) Effective written, and verbal communication/presentation skills;
- (4) Commitment to drive for results with minimal supervision.

Qualifications:

- Doctorate degree in Chemistry or related field preferred;

- Experience with Schlenk lines, standard chemistry glassware, vacuum pumps, etc.
- Experience with material characterization including NMR spectroscopy, etc.
- Preferred: Experience with lab-scale thin-film sample deposition process is preferred (e.g. spin-coating, drop-casting, thermal evaporation, etc.), UV-Vis-NIR and photoluminescence spectroscopy
- Employer and/or character references.

Compensation: Competitive salary, and stock option grant(s), commensurate with experience.

Benefits: Medical, Dental, Vision, Paid Time Off, Relocation Pay, Long-term and Short-term disability.

Equal Opportunity/Affirmative Action Employer

About Andluca Technologies:

Andluca Technologies is an NSF-backed Princeton spin-out that designs transparent, thin-film power sources that convert ultraviolet light into useful energy at the point of use. These flexible power sources can conform to any surface and disappear into their environment to enable discreet, wireless operation of smart windows and IoT devices. Beyond buildings, our technologies are unlocking new functionalities in the automobile, aviation, military, eyewear, and medical sectors. Andluca is also backed by NextCorps Luminate, who has invested \$500K in Andluca and supports leading optics, photonics, and imaging companies. Through grant programs (NSF Phase I/II and others) and private investment we have raised more than \$2.2M.

Our culture is first and foremost built upon stewarding the company, our environment, and investor's money. We value a humility that no task is beneath any employee. We make room for disagreement, when necessary, while treating each other with the utmost respect. We are looking for hardworking and dependable employees who have a knack for being able to look around corners for potential pitfalls. We have to stay flexible and adaptable in the fast-changing world of a growing startup.