



vision | innovation | reality

**Universal Display Corporation (UDC)** is a world leader in the development of innovative organic light emitting device (OLED) technology for use in flat panel displays, lighting and other opto-electronic applications.

UDC is headquartered near Princeton, New Jersey. In a uniquely-designed, 40,000 square-foot facility, our team of scientists, engineers and business professionals perform leading-edge technology development, fabricate engineering prototypes, and engage in technology transfer with a variety of research, manufacturing and product development partners to promote the adoption of our proprietary OLED technologies.

Universal Display Corporation offers excellent career opportunities for those who thrive on cutting-edge research and development and have the drive to contribute directly to the success of the company. The technical team at UDC is a multi-disciplinary team that spans from organic materials' experts to innovative display designers.

### **Research Scientist, Chemistry**

#### **Responsibilities:**

- Design innovative materials and develop in-depth knowledge of organic electronic material properties, synthesis and applications.
- Perform design, synthesis, purification, analysis and characterization of small to medium scale organic and/or organometallic compounds.
- Desire to be a part of cutting-edge technology development and application in a dynamic, team oriented environment.
- Stay up to date with scientific literature.
- Be able to write and interpret technical information and effectively communicate with peers and management.
- Be responsible for certain instrument maintenance and other lab duties.

#### **Qualifications:**

- PhD in Synthetic Organic, Polymer or Organometallic Chemistry with discovery research experience with the synthesis of organic or organometallic molecules.
- Knowledge of modern analytical techniques (NMR, MS, HPLC, UV, IR, TLC) and instrumentation for the isolation and identification of organic compounds.
- In depth knowledge of organic electronics including light-emitting diodes, transistors, or photovoltaics.
- Knowledge of modern literature search (Belstein and SciFinder).
- Strong track record of high productivity in the design and synthesis of organic and/or organometallic compounds.
- Ability to perform and succeed in a multi-disciplinary, high paced team environment.
- Strong written and verbal communication skills.
- Understands deadlines and commits to long hours as necessary to reach goals.
- Positive attitude and willingness to learn.
- Demonstrated ability to organize and manage multiple priorities.