Xerox Position:
**Toner Design / Xerographer**

**Location:** Webster, NY

Xerox has rewarding career tracks that will tap your full potential with stimulating work. With your talent and our training, we will chart the digital future. Our products and technology represent the leading edge of the industry. They integrate technology, the web, business process, and the way people work in order to deliver to our customers the best document solutions. Excellent opportunity to achieve professional career growth working with a dynamic interdisciplinary team. We are looking for a highly motivated, skilled, and adaptable scientist to join our Toner Technology / Design Competency.

**Position Objective:**
Support the Chemical Toner Technology Development with focus on understanding the interactions between toner materials and xerographic subsystems. Responsibilities include:

- Develop new toner designs at the lab scale for new xerographic systems.
- Evaluate and select raw materials (i.e. surface additives, polymers, etc...) based on the toner performance requirements for a particular xerographic system to enable system integration.
- Through the use of Physics and Chemistry fundamentals, describe interactions between materials and hardware and use that knowledge to improve the robustness of the system via selection of alternate raw materials and/or process optimization.
- Lead the development of toner design. Document and share the knowledge.

**Essential Functions:**

- Work cooperatively with members of the Toner Technology and Project Management areas to enable toner designs that can be carried through the development process and to our customers.
- Through benchmarking reports, patent literature, and commercially available products, benchmark competitive toner designs and analyze market trends to help Xerox develop technology strategy to grow market share
- Support Pilot Scale experimental trials
- Design, conduct, and analyze experimental designs in support of Chemical Toner (Emulsion Aggregation) process technology development. Use the results from the experimental designs to select best raw materials, establish toner design, understand the interaction (mechanisms) between toner design and hardware, and identify opportunities to improve processes for producing Emulsion Aggregation toners.
- Document and share design rules
- Provide awareness of current state of the art from scientific literature.
- Identify opportunities to establish designs at benchmark cost.

**Qualifications Desired:**

- PhD degree in Physical Chemistry, Materials Science, or related field
- Strong background in surface science.
- Hands on experience working in the synthesis of materials in lab scale.
- Design of Experiment, statistical analysis, and model development skills desired.
- Knowledge of fundamental properties of particles. Understanding of the physics of bulk powder behavior is a plus.
- Understanding of characterization techniques of powders and dispersions.
- Experience developing ideas and reducing those ideas into practice.
- Self-motivated team player with strong verbal/written communication, and interpersonal skills.
- The ability and drive to develop into a well-rounded leader in the future.
- Eligible to work in United States.
- Some travel may be required

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