

Organization: Carestream Health, Carestream Advanced Materials

Job Title: Formulation Scientist 4851BR

Position Profile

Carestream Health, Inc. is a global company providing medical and dental imaging solutions and information technology, and non-destructive testing products to the customers around the world.

The successful applicant will be one that can advance scientific principles, theories, and concepts to support the design, development and commercialization of a broad range of Carestream Advanced Material products.

The ideal applicant will have an in depth knowledge of chemistry, material science including nano-materials, and polymer science.

Key Requirements:

- An advanced degree in Chemistry, Polymer Science, Materials Science, Chemical Engineering, or a related field.
- **3+ years of industrial and/or academic experience in ink formulations, thin-film coatings, nano-material technology.**
- **Experience in wet roll-to-roll coating process and related formulation development.**
- Experience with various material and chemical characterization techniques including NMR, GPC, TGA, Rheometer, DSC, FTIR, Optical profilometer, SEM, and AFM.
- Broad knowledge in polymer chemistry and nano-materials science.
- Familiar with common laboratory operations with knowledge of experiment planning (DOE) and statistic data analysis (JMP or equivalent).
- Excellent oral and written communication skills and ability to work in cross functional teams.
- Must be currently authorized to work in United States.

Desirable:

- Experience in nano-materials ink formulations, wet roll-to-roll coatings, and thin-film coating processes.
- Knowledge and experience in thin-film flexible electronic materials and devices (OLED, OPV, display, etc.), and roll-to-roll manufacturing process for these products.
- Experience in thin-film transparent conductors and silver nano-wires technology highly desirable.

Specific responsibilities include:

- Lead key projects and manage a formulation technician.
- Plan, design, and execute research projects and interpret and report results.
- Initiate and develop new and improved formulations for roll to roll coatings involving various nano-materials and chemistries.

- Design experiments to establish relationship between roll to roll coating process parameters and material chemical and physical properties.
- Participate in formulation scale-up efforts in pilot plant and factory.
- Work with cross functional teams to enable new product development.
- Interact and communicate with internal and external customers/vendors on a needed basis
- Document and communicate research results and progress in a timely fashion, and participate technical project review.
- Scout new advances in ink formulations, thin film coatings and processes, and actively identify intellectual property and patentable inventions.

How to apply?

Please visit our Carestream website and search our jobs. This specific position is at: <http://www.carestream.com/csh-careers.html> under **4851BR Formulation Scientist**. We look forward to hearing from you.