

# *New Jersey Center for Biomaterials*



Rutgers, The State University of New Jersey  
*Professor Joachim Kohn*

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## Job Description: Polymer Processing Expert

A research scientist position is available at the New Jersey Center for Biomaterials/Rutgers University to work in the laboratory of Professor Joachim Kohn.

This position is for a researcher with extensive experience in thermal processing of degradable polymers. Hands-on experience in operating different types of extruders, injection molding equipment, rheometers, and fiber spinning instruments is required. We also require a detailed understanding of polymer physics such as crystallinity, x-ray diffraction, morphology, and phase separation behavior, as well as the ability to characterize the physicomaterial properties of polymers (mechanically testing, thermal analysis by DSC, TGA, DMA etc). Familiarity with molecular weight determination (dynamic light scattering, GPC) will be very helpful.

The position can be structured as a staff position or a post-doctoral position. Employment is for consecutive one-year periods, renewable upon mutual consent. Compensation is a minimum of \$45,000 per year and can be increased based on the qualifications of the candidate.

Professor Kohn's laboratory at the New Jersey Center for Biomaterials/Rutgers University provides an outstanding research environment. The laboratory's main expertise is in the design and synthesis of innovative polymers for biomedical applications.

The laboratory has a strong basic science program as well as an effective translation/commercialization program. Four start-up companies have licensed polymer technologies from Kohn's laboratory and currently over 50,000 people benefit from medical implants made of these polymers.

The successful candidate will have a central position in the lab, being responsible for the use and maintenance of a large number of processing instruments and participating in numerous scientific and industrial research projects.

Interested scientists are encouraged to send their resume to Professor Joachim Kohn, [kohn@rutgers.edu](mailto:kohn@rutgers.edu).