Postdoctoral Chemist for Precision Medicine Research

Employer: Icahn School of Medicine at Mount Sinai
Research lab: Biomedical Engineering and Imaging Institute
Pis: Zahi A. Fayad, Abraham J. P. Teunissen
Location: New York City, NY, USA

We seek a highly motivated, creative, and innovative postdoctoral chemist to join our precision medicine lab at the Icahn School of Medicine at Mount Sinai in New York City.

Background:
Our lab leverages a combination of synthetic- and radiochemistry to develop novel nanotherapeutics for innate immunotherapy as well as nuclear imaging probes to monitor their in vivo efficacy. These compounds are employed to study and treat cardiovascular disease, cancer, and organ transplant rejection in animals ranging from small rodents to non-human primates. Our program is part of Mount Sinai’s Biomedical Engineering and Molecular Imaging Institute (https://bmeis Sinai.org) facilitating multidisciplinary research and clinical translation. We also formally collaborate with investigators at New York University, Massachusetts General Hospital, and Memorial Sloan Kettering Cancer Center.

Tasks and responsibilities:
- Develop and employ novel nanomaterials for immunotherapy.
- Perform radiosyntheses to develop novel immuno-PET imaging probes.
- Analyze these compounds by a broad variety of analytical techniques.
- Share your results through scientific publications and oral presentations.
- Be part of a highly motivated multidisciplinary team consisting of chemists, immunologists, medical doctors and in vivo imaging specialists.

Requirements:
- A PhD in organic chemistry or a comparable discipline.
- Profound experience in common analytical techniques (HPLC, NMR, DLS, TEM, UV-Vis).
- Excellent communication and writing skills in the English language.
- You are a team player and excited to collaborate with others.
- Experience in nanomedicine and immunology is desirable.

Application procedure:
Interested candidates can apply by email to bram.teunissen@mssm.edu. The following documents are required:
- A cover letter and curriculum vitae.
- Two recommendation letters.

Affordable housing, an excellent health plan, and multiple other benefits are included in the position.