NOVARTIS | Reimagining Medicine

Radiochemistry Research Scientist (80-100%)

Summary

Location: Basel, Switzerland

At Novartis we are reimagining medicine to improve and extend people's lives. We use innovative science and technology to address some of society's most challenging healthcare issues. We discover and develop breakthrough treatments and find new ways to deliver them to as many people as possible.

We are looking for a highly motivated, passionate researcher with a strong scientific background in radiochemistry, a curious mindset, and cultural agility to work in a highly dynamic team to identify new targeting vectors for radioligand therapy (RLT).

About the Role – Key responsibilities

- **Radioligand synthesis:** Independently plan and perform the synthesis of radioligands (LMW compounds, peptides, and protein-based vectors) using radionuclides such as Lu-177, Ga-68, and F-18, as part of a dynamic team of radiochemists in alignment with project goals.
- **Method development:** Develop, evaluate, and validate novel radiolabeling methods and formulation strategies to optimize processes.
- **Quality control:** Conduct quality control analyses of radioligands (e.g., HPLC, TLC, SEC) and ensure their readiness for preclinical in vitro and in vivo studies.
- **Collaborative research:** Collaborate effectively with multidisciplinary teams, including organic chemists, pharmacologists and cell biologists, to advance the characterization and development of radioligand therapies (RLTs) in oncology.
- **Innovation:** Explore and implement innovative technologies, including automation, to enhance efficiency in daily tasks.
- **Radiation Safety:** Adhere to radiation safety guidelines, including training, dosimetry monitoring, and proper handling and disposal of radioactive materials.

Minimum requirements – What you will bring to the role

- **Scientific expertise:** A strong enthusiasm for hands-on experimental chemistry and radiochemistry, with the ability to interpret results critically, formulate new hypotheses, and design subsequent steps.
- **Education:** A master’s or bachelor’s degree or equivalent apprenticeship in chemistry, pharmacy, or a related field, with prior experience in radiochemistry and radiolabeling techniques (PhD is not required).
- **Experience:** At least 1-2 years of practical experience in a radiochemistry laboratory, along with proficiency in standard IT tools (e.g., E-Notebook, ChemDraw, and software-controlled lab equipment).
- **Team-oriented approach:** Passion for working in cross-disciplinary teams, exchanging scientific ideas, contributing to shared goals and learning from colleagues with diverse perspectives to advance future RLTs
- **Mindset:** Strong organizational skills, attention to detail, flexibility, and a commitment to delivering high-quality results.
- **Technical proficiency:** Familiarity with automated synthesizers for radiolabeling and purification is an advantage.
- **Communication skills:** Good written and verbal communication skills in English.

Professional Growth and Development

We are committed to fostering the professional growth of every team member. In this role, you will have the opportunity to develop and expand your expertise both scientifically and technically.

- **Scientific Involvement:** You will be actively involved in project teams, where you can engage intellectually, contribute your ideas, and help shape the direction of innovative projects.
- **Technical Growth:** You will have the chance to become an expert and go-to person for specific instruments, tools, or processes, making an impactful contribution to the team.

As you grow in this role, you'll take on increasingly significant responsibilities, becoming a valued contributor to our team’s success. We believe in empowering our team members to thrive through collaboration, continuous learning, and meaningful challenges.

Learn more about the position and apply by scanning the QR code or visiting the link below

https://www.novartis.com/careers/career-search/job/details/req-10055812-radiochemistry-research-scientist-80-100