Principal scientist - Radiochemistry

Job ID
REQ-10052675
May 27, 2025
Switzerland

Summary

Location: Basel, Switzerland
Full time, onsite, #LI-onsite

Novartis is seeking a Principal Scientist, Radiochemist in Basel, Switzerland, to join the Global Discovery Chemistry team. The role focuses on developing novel radioligand therapies for oncology, requiring a strong background in radiochemistry and collaboration within a dynamic team.

Join us and help us discover breakthrough therapies for millions of patients worldwide!

Key responsibilities: Collaborate in multidisciplinary teams to develop radioligand therapies, conduct research in radiochemistry, and perform quality control of radioligands. Responsibilities also include mentoring team members and contributing to scientific publications and patents.

Qualifications and skills: Candidates should possess a PhD in chemistry or a related field, extensive experience in radiochemistry, and a passion for hands-on experimentation. Strong communication skills and the ability to work in a fast-paced environment are essential.

About the Role

The role:

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 more people. How can we continue to advance our science to help patients in need? We believe the answers are found when curious, courageous, and collaborative people are empowered to ask new questions, make bolder decisions, and take smarter risks.

In Global Discovery Chemistry (GDC) in Basel, Switzerland, we are at the core of Novartis' purpose. We are looking for a highly motivated, passionate researcher with a strong scientific background in radiochemistry, a curious mindset. Cultural agility to work in a highly dynamic team to identify new targeting vectors for radioligand therapies (RLT) is essential. Join us and help reimagine medicine!

Your responsibilities will include, but are not limited to:

- You will work in a highly collaborative and multidisciplinary project team to discover and develop novel radioligand therapies in the oncology disease area.
- Carry-out cutting-edge research in the areas of radiochemistry and radionuclides therapies, including

developing and validating radiosynthesis protocols for new Ga-68 diagnostic and Lu-177 therapeutic radiopharmaceuticals.
- Take a lead role in proposing, evaluating, interpreting and validating new radiolabelling procedures with radiometals including the use of automation and advanced formulation development.
- Perform the quality control of radioligands by High Performance Liquid Chromatography (HPLC), Thin Layer Chromatography (TLC) and Size Exclusion Chromatography (SEC) in the radiochemistry lab environment and release the radioligands for in vitro and in vivo preclinical studies.
- Deploy novel technologies and collaborate with internal and external partners to progress our projects.
- Responsible for following implemented radiation safety regulations (e.g. trainings, dosimetry, release and disposal of radioactive waste).
- You will mentor, coach, and develop a dynamic team of scientific associates
- Discuss, communicate and present scientific results at project/group meetings, decision boards, and external conferences
- Contribute to patent inventorship and scientific publications
- In addition to pipeline project responsibilities, you will participate in global initiatives shaping the future of drug discovery at Biomedical Research.

Minimum requirements and what you will bring to the role:

- A strong passion for hands-on chemistry experimentation in the laboratory, with the ability to critically interpret results, develop new experimental hypotheses, and make informed decisions.
- A PhD in chemistry or related life science discipline with specialized knowledge in radiochemistry, gained either during postdoctoral and/or industry work
- Extensive hands-on experience in radiochemistry including metal labelling (e.g. Ga-68, Lu-177) of peptides and proteins. Experience with F-18 and Ac-225 radiochemistry would be beneficial.
- A proven track record of initiating, leading, or significantly contributing to cutting-edge research in chemistry or life sciences.
- A mindset characterized by curiosity, creativity, collaboration, and openness to diverse thinking, along with a desire to develop yourself and others.
- Interest in disruptive technologies and scientific trends, such as data science and automation/miniaturization, and their application to drug discovery.
- Ability to work effectively in a fast-paced, team-oriented matrix environment.
- Excellent oral and written communication skills, along with strong influencing abilities.

Accessibility and accommodation:
Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to inclusion.switzerland@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? https://www.novartis.com/about/strategy/people-and-culture

Join our Novartis Network: Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: https://talentnetwork.novartis.com/network

Benefits and Rewards: Read our handbook to learn about all the ways we'll help you thrive personally and professionally: https://www.novartis.com/careers/benefits-rewards

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C028 (FCRS = CH028) Novartis Pharma AG
Functional Area
Research & Development
Job Type
Full time
Employment Type
Regular
Shift Work
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Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

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