

Job title:	Senior Scientist, Chemistry UK	Department:	Chemistry UK
Reports to:	Team Leader, Chemistry UK	Line reports:	N/A
Location:	Abzena Cambridge, UK	Other:	
Last updated by:		Date:	August 10, 2017

JOB PURPOSE:

A synthetic organic chemist position within the Chemistry UK division of Abzena. The focus of this exciting and challenging role is the design and synthesis of small molecule reagents for use in antibody drug conjugate (ADC) and other related biopharmaceutical development programs. We are looking for a talented synthetic chemist who can deliver project targets to demanding timelines and provide innovation solutions to complex problems within our diverse research environment.

MAIN DUTIES AND RESPONSIBILITIES:

Professional / Technical

- Independently design and perform synthetic chemistry experiments to produce small molecule reagents for use in protein conjugation.
- Perform purification using a variety of chromatographic and crystallisation techniques on milligram to multi-gram scale.
- Identify and source specific equipment and reagents required to complete project work.
- Critically analyse and interpret data generated in laboratory experiments to ensure that the quality of research output meets the exacting standards of the company.
- Identify and propose innovative solutions to problems to ensure successful delivery of research projects.
- Provide analytical support to other scientific teams.
- Design and undertake research to develop or improve experimental processes and protocols.
- Author and review research reports and present results to key project stakeholders both internally and externally.
- Contribute significantly to the preparation of patents and/or research publications.
- Maintain an up to date knowledge of current scientific literature and identify opportunities for new insights to be incorporated into research activities.
- Assist the synthetic chemistry team leader in day to day running of the laboratory including relevant laboratory management tasks.

Interpersonal / Team

- Keep the synthetic chemistry Team Leader and relevant project team leads informed of research findings.
- Work collaboratively with other scientific teams within the company.
- Attend and contribute to relevant internal and external project meetings.
- Manage work schedule to ensure that tasks across multiple project teams can be coordinated effectively.
- Mentor and coach other team members (as required) to assist with their scientific and personal development.

Systems / Procedures

- Keep accurate records and document all research findings in accordance with company policy.
- Ensure that responsibilities identified within internal processes, such as health and safety guidelines and SOPs, are robustly adhered to.
- Author and review quality documents (SOPs) and health and safety documents relevant to activities carried out within the Chemistry UK team.

KEY COMPETENCIES

Qualifications/Experience

Essential:

- A Ph.D. in organic chemistry or a closely related discipline or extensive experience in organic synthesis gained in an industrial environment.
- Extensive experience in developing a diverse range of research projects and bringing them to a successful conclusion.

Desirable:

- A strong track record of research output published in peer reviewed journals.

Skills & Knowledge

Essential:

- Comprehensive knowledge and research experience in organic chemistry with a strong knowledge of modern organic synthesis techniques.
- Expertise in the synthesis, purification and characterization of small molecules.
- Proficient in the routine use of HPLC, LC/MS, reversed-phase column chromatography and 1D/2D NMR techniques.
- Ability to design, plan and carry out experimental work in a proficient and accurate manner.
- Ability to identify, analyse and propose solutions to complex chemistry problems.
- Ability to undertake critical analysis and evaluation of analytical data.
- Ability to contribute to publications and independently prepare research reports.
- Ability to present data to internal and external audiences in a clear and concise fashion.
- Ability to exercise a high level of autonomy and initiative.
- Excellent ICT skills, including specialist chemistry software.

Desirable:

- An understanding of the antibody-drug conjugate field.
- A good understanding of the research environment in industry.

Personal Qualities

Essential:

- A clear commitment to contributing to the research environment within the company.
- A positive proactive and independent attitude.
- Flexible and adaptive with a positive approach to change.
- A committed team-player able to follow instructions and work collaboratively.