

ANALYTICAL RESEARCH SCIENTIST – UK CHEMISTRY

(Analytical and peptide medicinal chemistry)

Bicycle Therapeutics Ltd. is developing a new class of medicines to treat cancer and other debilitating diseases based on its proprietary bicyclic peptides product platform (*Bicycles*[®]). The company is rapidly advancing towards the clinic with its lead programs using Bicycle Drug Conjugates[®] (BDCs), and is collaborating in oncology and other areas to realize the full potential of the technology. Bicycle Therapeutics is headquartered in Cambridge, U.K., with U.S. operations in Cambridge, Massachusetts, USA. For more information, visit: www.bicycletherapeutics.com.

We have a new opportunity for an Analytical Research Scientist in Chemistry in the UK, who will be responsible for analytical and bioanalytical activities and services related to *Bicycles*[®] and BDCs[®]. Accessing internal and external Contract Research (CRO) resources, the role will encompass both qualitative and quantitative aspects of assay development and subsequent analysis supporting compound quality assessment, reaction monitoring and the determination of drug concentrations in biological samples. Experience in HPLC, LC-MS and knowledge of regulatory bioanalytical method validation guidelines and procedures is desired.

In addition, the successful candidate will also contribute to the conception, synthesis and purification of *Bicycles*[®], developing appropriate formulations for *in vitro* assays and *in vivo* use. The role will involve close interaction with Biology and Bicycle USA teams, as well as external CRO's on a wide variety of projects.

Key Responsibilities:

- Analytical characterization of *Bicycles*[®] and BDCs[®], using techniques such as HPLC, LC-MS, in silico characterisation, complemented by documentation and release
- Bioanalytical LC-MS based characterization of *Bicycles*[®] and BDCs[®], which requires development of MRM methods, both through use of internal instrumentation and through collaboration with external CRO's
- Validation of bioanalytical methods in accordance with regulatory guidance and criteria
- Contribute to bicyclic peptide compound design, synthesis and purification, both using internal equipment and through outsourcing
- Optimize molecules through developing an SAR understanding of binding and function
- Formulation development, to establish solubility and physicochemical stability profile of *Bicycles*[®] and BDCs[®]
- Problem solve and troubleshoot on an independent basis
- Identify, evaluate and implement new chemistry strategies to augment current capabilities

- Present work summaries effectively in oral or written form
- Write Standard Operating Procedures, maintain lab records to a high standard, ensuring all data is capture and archived according to data integrity requirements

Key Skills and Competencies:

- A qualified PhD with a degree in chemistry or natural sciences, with a proven background in analytical peptide LC-MS based chemistry and synthetic chemistry
- Post-doctoral and/or industrial experience desirable
- Ability to conduct research independently and project-manage distinct packages of work
- Good computing skills in MS Office suite, and various chemistry and data analysis software packages (Scifinder, Chemdraw/Chemsketch, Prism/Sigmaplot etc)
- Team player with strong motivational skills and desire to extend functions within the Company
- Excellent organisational skills and close attention to detail

HOW TO APPLY

Please send a cover letter and cv to careers@bicycletherapeutics.com before the closing date of 15th September 2017 quoting reference 1708