**Computational Chemistry Summer Intern**

We are seeking a highly motivated individual willing to join one of the world’s leading pharmaceutical companies for a summer internship.

This is a 10-week paid placement in Cambridge, UK starting around the 1st of July 2019.

**Key Responsibilities**

The candidate will join AstraZeneca’s IMED Biotech Unit as a member of the Computational Chemistry team within the Oncology Medicinal Chemistry Department, and will be involved in a range of computational chemistry research activities relevant to drug discovery. The purpose of these activities is to support our medicinal chemistry design efforts to discover and optimise new drugs in the Oncology therapeutic area.

Examples of tasks the individual might conduct during the internship are:

* Carrying out structure and ligand-based drug design
* Analysing molecular solvation
* Analysis of data from literature and high-throughput screens
* Employing machine learning algorithms

The placement will aim to provide candidates an opportunity to gain knowledge of/ experience in:

* Structure- and Ligand-based drug discovery
* Usage of modern commercial software packages such as Maestro and MOE
* Introduction to core computational and medicinal chemistry concepts
* Working within a team

**Qualifications/ Requirements**

* Applicants must currently be Graduates or Undergraduates entering their fourth year, with their degree being in Chemistry, Biochemistry or Physics
* Candidates should have some basic knowledge of computational chemistry methods
* Candidates will have familiarity with the MS Windows environment, and Microsoft Office
* Other computational skills (experience with Linux, programming, Python etc.) will be beneficial

**\*\*HOW TO APPLY\*\***

Please submit a CV and cover letter, the two documents should be combined in one PDF and sent to: [ermoapplications@astrazeneca.com](mailto:ermoapplications@astrazeneca.com) quoting the reference CC19 in the email subject

In your cover letter please answer the following:

* List 2-3 skills or abilities that you feel are your strengths and would qualify you for this placement
* Describe in less than 100 words what aspects of your degree/ modules interest you the most and why
* Describe in less than 100 words why you are interested in this placement at AstraZeneca, and what you hope to gain from it
* Give any details of scholarships, awards, or prizes you have gained
* List your awarded/predicted grade from your University degree
* Include a reference that we can contact for recommendation

**Additional Information**

Please be aware that we receive a large number of applications for our Internship placements and therefore we are sometimes unable to respond to you as soon as we would like. However, all applications will be reviewed, and you will be notified via email of an outcome.

Interviews are scheduled between 18th and 29th March 2019.