**PERSON SPECIFICATION**
**Research Associate in Understanding Pharmaceutical Tablet Coating using Terahertz Sensing and Machine Learning**
**Vacancy Ref: A2534**

| Criteria | Essential/ Desirable | Application Form/ Supporting Statements/ Interview* |
|---|---|---|
| A good knowledge of data mining and machine learning tools (e.g. neural network, support vector machine, genetic algorithms) and proven coding experience in Matlab or related | Essential | Application Form / Supporting Statements/ Interview |
| Some knowledge of terahertz measurement, optical coherence tomography | Desirable | Interview/ Supporting Statements |
| A good track record in applying data mining and machine learning to industrial problems as evidenced through peer-reviewed publications or relevant industrial experience. | Desirable | Application Form |
| Some knowledge of pharmaceutical manufacturing and especially in tablet film coating. | Desirable | Interview/ Supporting Statements |
| A PhD (or about to obtain) in Electronics/Electrical Engineering, Computer Science or Chemical Engineering. | Essential | Application Form |
| Be an effective communicator with good inter-personal skills and a strong command of English. Be able to write competently in a good scientific style and be familiar with preparing scientific reports and oral presentations. | Essential | Application form/ Interview/ Supporting Statements |
| The appointee should have the ability to co-operate with others and work as part of a team and be flexible in approach.  Should be enthusiastic, well-organised and capable of independent study. | Essential | Interview |

- **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to make a specific supporting statement. Normally used to evaluate factual evidence eg award of a PhD. Will be "scored" as part of the shortlisting process.
- **Supporting Statements** - applicant are asked to provide a statement to demonstrate how they meet the criteria. The response will be "scored" as part of the shortlisting process.
- **Interview** – assessed during the interview process by either competency based interview questions, tests, presentation etc.