

Person Specification

Job Title	Downstream Principal Scientist
Job Holder	VACANT
Reports To	Downstream Lead
Date	August 2018

		Essential	Desirable	Method of Assessment
Educational Attainment				
E1	Relevant science/ engineering undergraduate degree	X		Application form/Certificate
D1	Relevant science/ engineering postgraduate Masters-level degree		X	Application form/Certificate
D2	Relevant science/ engineering Ph.D.		X	Application form/Certificate
Work Experience				
E2	A graduate with a relevant degree and at least 6 years relevant (protein purification) laboratory experience or Ph.D.	X		Application form
D3	Experience working safely and in accordance with local Safety, Health and Environmental polices (SHE) and COSHH		X	Application form
D4	To have awareness, understanding and experience working within a cGMP environment		X	Application form/Interview
E3	Working knowledge of Microsoft Office	X		Application form
D5	Experience working with pilot-and /or large-scale downstream processing operations		X	Application form/Interview
D6	Application of bioinformatics to characterise and predict protein structure and form		X	Application form/Interview
D7	Experience with line and laboratory management		X	Application form/Interview
Knowledge/Skills/Aptitude				
E4	Excellent written and verbal communication skills	X		Application form/Interview
E5	An In-depth theoretical and practical knowledge of Biochemistry, Cell Science, Protein Purification, Biochemical Engineering and associated analytical techniques.	X		Interview
E6	An in-depth working knowledge of the key unit operations implemented in Downstream Process Operations e.g. buffer preparation and formulation, precipitation and clarification, refolding and solubilisation,	X		Application form/Interview

<p>E7</p> <p>D8</p> <p>E8</p>	<p>dead-end and depth filtration, chromatography, ultrafiltration and diafiltration.</p> <p>Ability to perform and teach laboratory calculations (e.g. molarity, use of formula weights, buffer composition, mass balances, biomass, specific production rate, growth rates).</p> <p>To have awareness, understanding and experience working within a cGMP environment</p> <p>Ability to effectively prioritise and plan experimental activities and project team.</p>	<p>X</p> <p>X</p>	<p>X</p>	<p>Interview</p> <p>Application form/Interview</p> <p>Application form/Interview</p>
<p>D9</p>	<p>Circumstances</p> <p>Evidence of Continuing Professional Development (CPD)</p>		<p>X</p>	<p>Application Form</p>