

**Name:**

**Department (and Section where appropriate):**

Production and Processing Research

Imaging and Modelling Section

**Grade:** G3

**Job Title:** Data Scientist

**Immediate Line Manager (Job Title):** Principal Scientist

<p><b>Job Purpose</b>                  Statistical support for Technology Directorate                  Research and project work within Imaging and Modelling section</p>
<p><b>Main Duties (including % of time spent)</b></p> <ul style="list-style-type: none"> <li>• Planning, execution and reporting of contract research work (50%).</li> <li>• Provision of statistical advice and analysis to members of Technology Directorate, including design of experiments, analysis of results and drafting of internal procedures (30%).</li> <li>• Supporting business development activities, including marketing activities and preparation of project proposals (10%).</li> <li>• Leadership to ensure the quality of statistical design and interpretation of work conducted by the Technology Directorate (10%).</li> </ul>
<p><b>Knowledge, Skills &amp; Experience</b></p> <ul style="list-style-type: none"> <li>• Degree or equivalent qualification in a relevant STEM subject.</li> <li>• High level of knowledge of relevant statistical methods.</li> <li>• Proficiency with common statistical software and data analysis packages (Minitab, R, or The Unscrambler an advantage).</li> <li>• Coding skills would be an advantage</li> <li>• Familiarity with FEM and CFD modelling and simulation methods. (Experience with Comsol an advantage).</li> <li>• Postgraduate experience in a laboratory or commercial analytical environment. Experience in the food industry would be an advantage.</li> <li>• Knowledge of image analysis methods would be an advantage.</li> <li>• Good verbal and written communication skills.</li> </ul>
<p><b>KEY TASKS &amp; RESPONSIBILITIES</b></p>
<p><b>1. Communications</b></p> <ul style="list-style-type: none"> <li>• Provide advice and information relevant to acknowledged areas of expertise to colleagues and clients.</li> <li>• Prepare written reports, technical publications and marketing material to a high standard.</li> <li>• Oral presentation of scientific work to clients, for dissemination at seminars and scientific meetings, and for training activities.</li> <li>• Effective communication with line manager and colleagues to ensure awareness of relevant issues and clear agreement of actions and responsibilities.</li> </ul>
<p><b>2. Analytical Skills &amp; Creativity</b></p> <ul style="list-style-type: none"> <li>• Able to analyse complex data sets and draw business-relevant conclusions.</li> <li>• Able to carry out scientific work to a high standard and within agreed deadlines.</li> <li>• Able to operate laboratory methods and instruments to agreed procedures to provide accurate data, and to identify and take appropriate action in response to deviations from expected operation.</li> <li>• Able to work independently to develop creative approaches to solve problems.</li> <li>• Able to learn new methods and procedures.</li> </ul>

**3. Management of Activities**

- Management of provision of statistical support to the Technology Directorate.
- Agreement of clear objectives with line manager.
- Expected to take a lead role in business and service development in areas of specialism
- Effective organisation, planning and co-ordination of workload for delegated project tasks to achieve objectives within agreed budgets and timescales.

**4. Management of People**

- No direct reports.
- Reporting structure: HoD – Principal Scientist - **JOB HOLDER**.

**5. Management of Finance & Resources**

- Responsible for delivery of projects and assigned tasks within agreed budgets.
- Responsible for preparation of proposals for contract research work and tenders for research grants for authorisation by line managers.
- Responsible for providing quotations for statistical analysis work to colleagues.
- Responsible for efficient, cost-effective use of resources including consumables, instrumentation and purchase recommendations.

**6. Autonomy & Accountability**

- Accountable for recommendations and advice given.
- Accountable for quality, accuracy, timeliness and cost-effectiveness of own work.
- Accountable for the implementation of safe working practices.
- Accountable for operation in accordance with the company standards and procedures as laid down in the business management and local procedures.
- Autonomous for statistical support to Technology Directorate, in consultation with Statistics Group and line manager.
- Other project work to be carried out mainly under the supervision of line manager or responsible project managers.
- Report non-complying work to line manager and participate in identifying solutions to issues.

**7. Working Environment**

- Predominantly laboratory and office based with occasional entry into food processing environments.
- Predominantly based at Chipping Campden site.
- Requirement for occasional travel in UK or overseas with possible overnight stays.

**8. Other designated job roles** (Please tick those applicable)

Quality Co-ordinator  
 Safety Co-ordinator  
 First Aider  
 First Aid Leader  
 Fire Officer  
 Fire Leader  
 Software Co-ordinator  
 Trained internal Auditor  
 Equipment Officer  
 Departmental Archivist  
 Hygiene Manager  
 Process Hall Manager  
 Event Director  
 Risk Assessor  
 Biological Safety Officer  
 Safety Representative  
 Safety Committee Member  
 Sample Receipt Steward  
 Authorised Driver (in line with Car Policy)

**DSE User**

Yes

**Manual Handler**

No

**Signed & Dated**

Job Holder ..... Date .....

Line Manager ..... Date .....