

JOB DESCRIPTION & PERSON SPECIFICATION

1. Job title: Research Scientist	Centre: 20	Grade: C	Location: Cambridge
Reports to (Job title): Dr Tansy Chia (Senior Post doc, Grain Quality)		Line Manages (Job titles): na	

<p>2. Main purpose of role: To fulfil the scientific programme outlined in the BBSRC Designing Future Wheat (DFW) grant specifically relating to grain quality work described in WP2 of the grant proposal. Role will support scientific research on three main aspects of grain quality (B-granules, Lys3 and high amylose) in line with stated deliverables and in partnership with external DFW partners. The post holder will work under the supervision of Dr Tansy Chia to deliver high-quality research within the NIAB DFW team.</p>

<p>3. Financial authority/responsibility (e.g. delegated budget, authorisation level, approx value of contracts etc): Delegated budget for consumables/travel (authorization max £200).</p>
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<p>4. Key relationships (external and internal):</p> <p>1. Within the grain quality group: project lead (Kay Trafford), reporting directly to Dr Tansy Chia, in order to support scientific research relevant to stated DFW deliverables and for day-to-day lab management for the grain quality group.</p> <p>2. Within Bingham, responsible for collaborating with staff involved in the DFW project in Alison Bentley's group.</p> <p>3. Outside NIAB, collaborating with staff in other institutes, including the John Innes Centre, that are part of the DFW project .</p>
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Tasks/responsibilities (in order of priority)	Approx % of time
Lab work relating to Deliverables of DFW WP2 including molecular biology and biochemical assays This will also encompass relevant bioinformatic/genetic analyses (desk-based) as appropriate in order to plan and progress work.	55
Data analysis including bioinformatic/genetic analyses (desk-based) as appropriate in order to plan and progress work.	20
Day-to-day general lab management (as required) for the smooth running of the grain quality lab.	10
Reporting to team leader and NIAB DFW team at regular meetings on progress to delivery. Liason with other NIAB DFW staff.	5
Contributing to the writing of DFW reports and scientific papers for publication.	5
Making internal presentations and attending external meetings/ conferences including annual DFW meetings.	2.5
NIAB Administration and outreach (management of work areas, consumables ordering, outreach events)	2.5

6. Working conditions : Laboratory based, frequent office work at computer, occasional glasshouse and field work.

7. PERSON SPECIFICATION

Education/Qualifications:

Essential:	Desirable:
BA or BSc in biology, biochemistry or genetics. Previous experience of plant science.	MSc in plant science. Previous experience of cereal science.

Experience:

Essential:	Desirable:
Post-graduate experience in a plant molecular biology laboratory. Experience of growing plants well. Experience of computing including microsoft office word/excel/powerpoint.	Experience of cereal science. Experience of plant genetics. Experience of grain quality. Experience of plant biochemistry. An understanding of plant metabolism. Understanding or experience of plant transformation.

Specialist Training:

Essential:	Desirable:
Excellent data-recording skills. Full, clean driving licence.	Experience of basic bioinformatics (alignment, trees, sequence retrieval from public data bases).

Personal Qualities (skills, behaviours and competencies)

Essential:	Desirable:
Quick to learn new skills and absorb new information. Proactive in nature. Keenness to try something new. Good interpersonal/negotiation skills. Hard working and efficient. Sufficiently fit to do basic manual labour in the glasshouse and field.	

Date of description: 05.07.2017

Compiled by: Kay Trafford