

JOB DESCRIPTION & PERSON SPECIFICATION

1. Job title: Plant Molecular Biologist	Centre: 20	Grade: E	Location: Cambridge
Reports to (Job title): Kay Trafford (Programme Leader, Grain Quality)		Line Manages (Job titles): TBC	

<p>2. Main purpose of role: To fulfil the Post-doctoral 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 deliver innovative scientific research on three main aspects of grain quality (B-granules, Lys3 and high amylase) in line with stated deliverables and in partnership with external DFW partners. The post holder will work independently to deliver high-quality research within the NIAB DFW team and will also be responsible for reporting findings and interacting with partners and the broader scientific community</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>

<p>4. Key relationships (external and internal):</p> <ol style="list-style-type: none"> 1. Within the grain quality group: project lead (Kay Trafford) and responsible for day-to-day management of those of grades below E in the group. 2. Within Bingham, responsible for collaborating with staff involved in the DFW project in Alison Bentley's group. 3. Outside NIAB, collaborating with staff in other institutes, including the John Innes Centre, that are part of the DFW project .

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
Day-to-day management of other staff, students and visiting workers within the group and liason with other NIAB DFW staff.	25
Reporting to team leader and NIAB DFW team at regular meetings on progress to delivery	5
Reporting within the wider DFW project including to WP leaders and the larger consortium at annual meetings.	5
Writing reports and papers, internal presentations.	5
Attending external meetings/ conferences.	2.5
NIAB Administration and outreach (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:
PhD in plant molecular biology. Publication record in plant science.	Publication record in cereal science, preferably wheat.

Experience:

Essential:	Desirable:
Post-doctoral experience in plant molecular biology. Experience of plant genetics. Experience of growing plants well. Experience of computing including microsofft office word/excel/powerpoint. Experience of basic bioinformatics (alignment, trees, sequence retrieval from public data bases).	Experience of cereal science. Experience of grain quality. Experience of plant biochemistry. An understanding of plant metabolism. Understanding or experience of plant transformation.

Specialist Training:

Essential:	Desirable:
Knowledge of wheat genetics and genomics. Good scientific writing style. Excellent data-recording skills.	

Personal Qualities (skills, behaviours and competencies)

Essential:	Desirable:
Ability to manage/train lab assistants/students/visitors Good interpersonal/negotiation skills. Good oral presentation skills. Hard working and efficient. Full, clean driving licence. Sufficiently fit to do basic manual labour in the glasshouse and field.	

Date of description: 19.04.2017

Compiled by: Kay Trafford

