The main duties require the postholder to:

The purpose of the post is mainly to conduct research as the Molecular Seed Physiologist in the project "Proanthocyanidins in Cereals and Brassicaceae: A Cross-Species Approach on their Roles for Seed-Coat Biophysical Properties, Dormancy and Germination" funded by BBSRC (BB/M000583/1), and further to be involved in the organization of the lab as well as in co-supervising students of the plant biochemistry research group. Tasks include:

- To conduct research, plan and carry out experiments, and develop the above research according to the project description and in close discussion, interaction and collaboration with the other researchers, especially the biomechanical engineer (Dr Tina Steinbrecher) at RHUL and the molecular biologist at Rothamsted Research. The main focus for this post in the project are the physiological, permeation, hormone, biochemical and molecular experiments as described in the workplan. For several of the experiments team work and discussion across disciplines is required and expected.

- To foster active collaborations of other groups where required, especially with the group of Dr Andy Philips at Rothamsted Research.

- To maintain a permanent record of experimental data, to analyse and archive data generated from experiments on the groups network-harddisk and in your lab book for sharing them with the project team, all according to good laboratory practice and BBSRC guidelines.

- Preparing and writing papers for publication.

- Responsibility for organizing plant growth of the plant biochemistry research group for the project. This includes propagation of transgenic Lepidium lines and being the contact person for the interaction with the gardeners.

- To contribute to organisation, cleanness, and safety of the lab as appropriate.
• Limited supervision by PI and independent work required in arrangement with the direct line manager
• To co-supervising of UG, PGT, PGR, PhD students conducting project and/or bench work in the lab. This refers to the techniques of your expertise.
• Any other duties or tasks as reasonable requested by the direct line manager or Co-I or PI or Head of Department that are commensurate with the grade.

As the needs of the post evolve, the job profile, duties and location of the role may be adjusted accordingly to include other tasks as may reasonably be required.