



Job title	KTP Associate - R&D Scientist, Brewing Ingredients	Job family and level	R&T Level 4a/level 4
School/ Department	School of Biosciences Brewing Science	Location	Murphy & Son, Basford, Nottingham

Purpose of role

Based at Murphy & Son, Basford, Nottingham and working alongside academics from the University of Nottingham, School of Biosciences, Sutton Bonington Campus. The role holder will lead the delivery of a strategic project to develop innovative antioxidant solutions to improve beer stability, looking to improve quality and shelf-life for brewers. The key objective is to provide the company with new products that can be manufactured at their Nottingham site. The products must be easy to use for all brewers, cause zero or little waste and be compatible with crossflow filtration.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	Develop a greater understanding of how the company products fit in the customer landscape and identify novel products for growth opportunities.	5%
2	Develop techniques and embed methods of measuring and evaluating beer stability.	10%
3	Trial new technologies and develop prototypes from novel sustainable sources for consumer testing.	10%
4	The design and implementation of a pilot plant and commercial scale trials.	30%
5	Apply relevant analytical techniques to determine the impacts of novel products on beer filterability and flavour and colloidal stability.	10%
6	Understand how key ingredients perform under production, storage and consumption conditions.	10%
7	Launch successful product concepts and prototypes.	10%
8	Embed knowledge within the organisation, disseminate outputs and conduct outreach activities including attending trade shows and conferences.	15%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Excellent oral and written communication skills, including the ability to communicate complex information with clarity. ▪ Excellent time management, project management and organizational skills ▪ Excellent presentational skills, including presenting at trade shows. ▪ Ability to interact well with colleagues across multiple disciplines. Evidence of prior success within a team working environment is essential. ▪ Awareness of commercial drivers and demonstrable ability to take the research and translate their understanding in the subject area for commercial delivery ▪ Enthusiasm and motivation to embed new knowledge and to take full ownership of the project in all respects. ▪ Highly driven, self-starting and pro-active, and with the ability to work on their own initiative and in a team to meet deadlines and to prioritise tasks. 	<ul style="list-style-type: none"> ▪ Passion and desire for creating something new and exciting.
Knowledge and experience	<ul style="list-style-type: none"> ▪ Experience of conducting advanced research in the areas of brewing processes. ▪ Experience with customer engagements and building relationships. 	<ul style="list-style-type: none"> ▪ Experience of working in a commercial/industrial business. ▪ Experience conducting cutting edge research in the area ▪ Experience of working with the brewing industry
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ BSc/MSc (2:1 or First) in a relevant scientific discipline. ▪ PhD (or close to completion of PhD) in a relevant scientific discipline OR an MRes/MSc in Brewing. 	<ul style="list-style-type: none"> ▪ PhD (or close to completion of PhD) in Brewing Science (or another discipline where the research was focused on brewing).
Other	<ul style="list-style-type: none"> ▪ Willing to undertake appropriate further training and to adopt new procedures as and when required, which includes periods of time spent at the University of Nottingham. 	



The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.

Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
- Taking ownership** Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
- Forward thinking** Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
- Professional pride** Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
- Always inclusive** Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others



