Role profile

**Job title**

KTP Associate – Research & Development Scientist in Personalised Healthcare

**Job family and level**

KTP Associate

Salary range - £30,000 to £32,000 depending on qualifications, skills and experience.

**School/Department**

Pharmacy

**Location**

Nutrivitality Limited, Eagle Park, Derby, DE21 4BF

### Purpose of role

To develop, demonstrate and implement a manufacturing system for producing personalised nutritional supplements, for the ever-changing vitamin, nutrient and dietary supplement market.

You will gain an understanding the product range and get hands-on experience of the manufacturing process and workflow of the existing nutritional products, from idea to the marketable product, associated with the Nutrivitality (SureScreen).

You will be instrumental in driving the Nutrivitality’s products towards personalisation, which involves identification of the customer’s nutritional needs and development of personalized nutritional mixes alongside a nutritionist. You will research and develop new technologies, and incorporate them into existing formulation procedures, and acquire an understanding of the current trends in the nutritional supplements. You will evaluate the suitability of existing manufacturing processes and advanced alternative methods such as microfluidics towards personalisation. The ultimate aim is to integrate these manufacturing processes into the company. You will be fully supported by the academic team at School of Pharmacy and have access to the microfluidic equipment and laboratories at the University and the Company’s manufacturing site.

### Main responsibilities

(Primary accountabilities and responsibilities expected to fulfil the role)

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<tr>
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<th>% time per year</th>
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<tr>
<td>1</td>
<td>Induction to the partnership and establishing relationships with key partners.</td>
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<tr>
<td>2</td>
<td>Research into manufacturing methods for personalised products</td>
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<td>3</td>
<td>Design and develop SOPs for personalised service</td>
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<td>4</td>
<td>Begin personalised formulation in the business</td>
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<td>5</td>
<td>Introduce continuous manufacturing methods to the business</td>
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<td>6</td>
<td>Scale up manufacturing process for personalised products</td>
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<td>7</td>
<td>Exploration into formulation stability</td>
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<td></td>
<td>Description</td>
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<tr>
<td>8</td>
<td>Research regulatory considerations</td>
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<tr>
<td>9</td>
<td>Investigate new market areas for company expansion</td>
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<tr>
<td>10</td>
<td>Training and CPD activities as required to deliver the project and enhance career.</td>
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## Person specification

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<th>Essential</th>
<th>Desirable</th>
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| ▪ Excellent oral and written communication skills, including the ability to communicate complex information with clarity.  
▪ Ability to build strong alliances and trust with colleagues, stakeholders, and clients and to establish credibility and work cooperatively with others.  
▪ Enthusiasm and motivation to embed new knowledge and to take full ownership of the project in all respects.  
▪ Forward thinking and capable of adapting quickly to a new environment and working in a new sector.  
▪ Highly driven, self-starting, and proactive, and with the ability to work on their own initiative and in a team to meet deadlines and to prioritise tasks. | ▪ Passion and desire for creating something new and exciting.  
▪ Awareness of commercial drivers and demonstrable ability to take the research and translate their understanding in the subject area for commercial delivery |
| **Skills** | |
| ▪ Data presentation, analysis and problem solving  
▪ Analytical methods/techniques  
▪ Experience of using microfluidics  
▪ Nanoscale formulation  
▪ Relevant industrial experience (including work placements or sponsorship)  
▪ Experience and understanding of microscopy and spectroscopy such as light and electron microscopy, and particle sizing analysis | ▪ Knowledge of manufacturing processes of food products  
▪ Knowledge and understanding of current healthcare issues  
▪ Publishing research in high quality journals and presenting at key international conferences  
▪ Awareness of GMP regulations surrounding nutritional supplements  
▪ Understanding of certification required to trade in different parts of the world |
| **Knowledge and experience** | |
| ▪ BSc or MSc in a Physical Sciences subject, or equivalent subject area | ▪ PhD (or near to completion) in a Physical Science subject including Pharmacy, Pharmaceutical Sciences or Food Science or equivalent subject area |
| **Qualifications, certification and training (relevant to role)** | |
| ▪ Willingness 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. | |
| **Other** | |

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 workforce 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

![Diagram of relationships]

- **Line managers**
  - University Academic Supervisor
  - Line managers

- **Role holder**
  - KTP Associate
  - University Academic Supervisor
  - KTP Associate

- **Key stakeholder relationships**
  - Nutrivitality
  - UoN
  - Stakeholders
  - KT Adviser
  - Nutrivitality Company Supervisor