

# Development Chemist (KTP Associate)

Department	Pure and Applied Chemistry ( <a href="http://www.strath.ac.uk/chemistry/">www.strath.ac.uk/chemistry/</a> ) in association with Terumo Aortic Ltd, Inchinnan ( <a href="https://www.TerumoAortic.com">https://www.TerumoAortic.com</a> )		
Faculty	Faculty of Science ( <a href="http://www.strath.ac.uk/science/">www.strath.ac.uk/science/</a> )		
Staff Category	Knowledge Transfer Partnership (KTP)	Reference No	181101
Reports To	Dr John Liggat, Strathclyde; Ms Geraldine Clarke	Grade:	KTP
Salary Range:	Ca £35,000 plus £5,000 training and development budget	Contract Type:	Fixed Term (36 months)
FTE:	1	Closing Date	Wednesday, 13 February 2019

## Job Advert

Terumo Aortic Ltd (<https://www.TerumoAortic.com/>) is a world leader in the design and manufacture of products that address the needs of vascular and cardiovascular clinicians throughout the world. Terumo Aortic is a subsidiary of the Terumo Corporation of Japan, a premier global medical device company which was founded in 1921 and currently has over 21,000 employees worldwide.

Terumo Aortic's headquarters and manufacturing facility are located at Inchinnan near Glasgow where there are presently over 800 employees. Over 90% of the company's total output is exported to more than 90 countries worldwide. For over 35 years, the company has applied advanced and innovative technologies to develop a wide portfolio of products which include an extensive range of sealed woven and knitted polyester grafts for peripheral, abdominal and cardiothoracic surgery.

The University of Strathclyde has joined forces with Terumo Aortic to develop a series of sophisticated new products, and we are seeking a highly motivated KTP associate to work with us in this exciting new collaboration. The project is part of the Knowledge Transfer Partnership (KTP) programme that aims to help businesses to improve their competitiveness and productivity through the better use of knowledge, technology and skills that reside within the UK knowledge base. Successful Knowledge Transfer Partnership projects are funded by UK Research and Innovation through Innovate UK and are part of the government's Industrial Strategy. To find out how KTP works and the vital role you will play if you successfully secure a KTP Associate position. Please visit: [www.ktpws.org.uk](http://www.ktpws.org.uk)

The KTP Associate will be an employee of the University of Strathclyde and will be supervised by chemistry and engineering academics, but will spend most of their working time at the company's HQ in Inchinnan.

A PhD in Chemistry, Biochemistry, Materials Science or a related discipline is essential and some industrial experience is desirable. The successful candidate will have a 'hands-on' approach with good interpersonal and team working skills and must be able to communicate at all levels and work to tight deadlines.

The position includes extensive management training a generous personal development budget. With the support of academic experts and a KTP Adviser, this is an excellent opportunity which offers an extremely interesting, varied and challenging role.

# Job Description

## Brief Outline of Job:

Through this Knowledge Transfer Partnership project, you will play a key role in managing and implementing strategic developments in the company and transferring knowledge between the University and company. Typical challenges you could encounter as a KTP Associate include designing and introducing new or improved products or processes, re-organising production facilities and introducing improved quality systems and technology, in order to allow the company to break into new markets. More about Knowledge Transfer Partnerships and the benefits to your long term career can be found at [www.ktpws.org.uk](http://www.ktpws.org.uk)

## Main Activities/Responsibilities:

1.	Review of the current product formulations, documentation of the current formulations, establishment of baseline performance and agreement of KPIs for new generation formulations
2.	Review of existing manufacturing capability for current markets and identification of capability enhancements
3.	Review of capability required to move into identified premium markets.
4.	Development of optimised formulations for existing products and newly identified high value products and related materials.
5.	Development of new product manufacturing processes, quality systems and certification
6.	Embedding of new knowledge and systems into the company by providing training and support.
7.	Project management and resourcing
8.	Producing milestone reports and presenting work at project review meetings
9.	Completion of KTP Final Report
10.	Involvement in dissemination activities including trade publications, case studies, academic papers and external presentations

## Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

E1 A PhD in Chemistry, Biochemistry, Biomedical Engineering, Materials Science or a related discipline. Alternatively, a good honours degree (2.1 or better) with equivalent skills gained in industry over a period of years will be acceptable.

## Experience

D1 Experience of working in the medical device industry or other manufacturing environment

## Job Related Skills and Achievements

E2 Ability to plan and undertake multi-factorial experiments and data analysis, prepare reports and present results

E3 Ability to organise, plan and use time efficiently

D2 Ability to think creatively

E4 Results focused

E5 Excellent written and verbal communication skills

D3 Understands commercial imperatives

D4 Good understanding of health and safety issues

## Personal Attributes

E6 Strong interpersonal skills, friendly and outgoing

E7 Self-starter

E8 Flexible and adaptable

D5 Ability to take an overview

E9	Can engage with colleagues at all function levels
E10	'Hands-on' approach
<b>Other Relevant Factors</b>	
D6	Knowledge of KTP
E11	Willingness to learn
E12	Customer focused

## Application Procedure

Applicants are required to complete an application form including the name of three referees who will be contacted before interview without permission, unless you indicate that you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter as a single document detailing the knowledge, skills and experience you think make you the right candidate for the job. Applicants should also complete the Equal Opportunities Monitoring Form.

## Other Information

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforus>).

Informal enquiries about the post can be directed to Dr John Liggat, Academic Supervisor ([j.j.liggat@strath.ac.uk](mailto:j.j.liggat@strath.ac.uk); 0141 548 4351).

### Conditions of Employment

Conditions of employment relating to the KTP staff category can be found at: [Conditions of Employment](#).

### Probation

Where applicable, the successful applicant will be required to serve a 6 month probationary period.

### Pension

The successful applicant will be eligible to join the Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

### Relocation

Where applicable, the University offers a relocation package to support new employees who meet the eligibility criteria. The relocation package is offered as a contribution towards costs incurred, and is designed to be flexible, allowing staff to use the financial support available in the way that will be most helpful to them. Further details are outlined in the Relocation Policy.

### Interviews

Formal interviews for this post will be advised in due course.

### Equality and Diversity

We value diversity and welcome applications from all sections of the community.

The University currently holds a Bronze Athena SWAN award, recognising our commitment to advancing women's careers in science, technology, engineering, maths and medicine (STEMM) employment in academia.



# Conditions of Employment

## KTP Associates



### 1. GENERAL CONDITIONS

Members of staff are subject to the Charter and Statutes and the Ordinances and Regulations of the University, published in the Calendar, and to any amendments or additions thereto approved by the University Court and, in the case of the Charter and Statutes, Privy Council.

The University Court recognises the Strathclyde University and Colleges Union (SUCU) as the sole body with which it will negotiate and consult on all collective issues concerned with the terms and conditions of employment of Research staff. Such terms and conditions may be varied by the University Court after negotiation and consultation with SUCU.

The University operates probationary periods for new staff, the duration of which will be specified in individual letters of appointment. The normal probation period for posts in this staff category is 6 months. Further guidance on probationary procedures is published at <http://www.strath.ac.uk/staff/policies/hr/>.

Further information on the terms and conditions specified in this document and other staffing policies and procedures can also be found at [www.strath.ac.uk/hr](http://www.strath.ac.uk/hr).

Further information on the terms and conditions specified in this document is contained in the Staff Handbook, which also includes further details of such conditions as provision for sick/injury leave and pay, leave of absence, holidays and holiday pay, individual grievance procedures, review and disciplinary procedures and collective agreements. Should you not receive a copy of the handbook on appointment a reference copy is accessible by visiting Human Resources.

### 2. CONTINUOUS SERVICE

In the case of new appointments, unless otherwise stated in the letter of appointment, the date of continuous employment for the purposes of statutory employment rights will be taken to be the date of appointment contained therein. In the case of promotions, regradings or transfers, previous service is continuous.

### 3. ALLOCATION OF POST

The post to which each member of staff is appointed is allocated to both the University Department and/or other area(s), and the Company Partner named in the member's letter of appointment and any accompanying papers. Should the University Court and/or the Company Partner deem it necessary, in the furtherance of the objectives of the University (specified in its Charter) and/ or the objectives of the Company Partner, they shall, having consulted with the parties concerned and having received the advice of the Senate, re-allocate the post and/or the duties pertaining partially or wholly to it to another University department or area and/or to another Company Partner Department or to an associated Company. Any such re-allocation will be without prejudice to the other conditions of employment of the holder.

If the need arises during the course of employment for members of staff to work outside the U.K. for a period (or periods) of more than one month then such arrangements will be subject to mutual agreement. Members of staff would then be provided with a statement in advance setting out the terms covering such periods of employment.

### 4. RESPONSIBILITY AND SERVICE

The University is committed to ensuring that its business is conducted in an open and transparent manner and will take all appropriate steps to address risks of bribery or corruption. Members of staff are required at all times to act honestly and with integrity and to safeguard the resources for which they are responsible. The University has in place a robust Public Interest Disclosure (Whistleblowing) Policy to enable concerns to be brought to its attention. This is available at

<http://www.strath.ac.uk/publicinterestdisclosure/>. Other relevant policies, e.g. Fraud Prevention and Conflicts of Interests can also be found on the University's website.

Each member of staff is responsible for the proper performance of allocated duties to the person or persons specified in the member's letter and any accompanying papers. Unless otherwise indicated.

### 5. WORKING TIME

Working time is that required to fulfil the duties of the post and members of staff are expected to comply with the general working pattern of the KTP Company Partner. Further details in relation to working hours will be provided within the offer of employment and/or by the Company Partner on commencement of employment.

### 6. HOLIDAYS

Entitlement to accrue paid annual holiday will apply from the date of commencement and the accrual rate will be as per the provisions of the KTP Company Partner. Public Holidays will only apply where they are observed by Company Partner and it may be that these have to be taken from the annual leave entitlement where the Company does not apply a separate entitlement in this regard. Where Public Holidays are not observed by the Company Partner, these days may still be taken from the annual holiday entitlement, subject to authorisation. In cases where the Company Partner operates a period of annual closedown, these days may count against the accrued annual holiday entitlement, subject to the normal practices of the Company Partner. Further details and arrangements for requesting leave will be confirmed within the Offer of Employment and/or by the Company Partner on commencement of employment.

### 7. SICK LEAVE

During any period of absence through illness or injury provided the appropriate medical certificates are received the University will pay a member of staff (having taken account of the aggregate of all periods of absence due to illness during the twelve months immediately preceding the first day of the current absence) as follows:

Period of Continuous Employment at start of absence from work	Full Pay	Half Pay
Less than 1 year	1 month	1 month
1 year but less than 2 years	2 months	2 months
2 years but less than 3 years	4 months	4 months
3 years but less than 5 years	5 months	5 months
5 years or more	6 months	6 months

In order to manage the University's sick pay scheme the University requires to maintain sickness absence records on individual members of staff. When making payments after the expiry of statutory sick pay the University will deduct an amount equivalent to any benefit normally payable by the Department of Health and Social Security. For this and other details see staff handbook.

### 8. SALARY AND SUPERANNUATION

Salaries are payable monthly by means of a credit transfer to a specified bank account.

New members of staff, aged under 75, will be admitted automatically to membership of the Universities Superannuation Scheme (USS) on taking up appointment. If you are already in receipt of a USS pension you will join USS in accordance with pension auto-enrolment regulations. USS

requires a contribution from the member, currently 8 per cent of pensionable salary. A contribution, currently 18 per cent of pensionable salary, is paid by the University. From 1 April 2016 all members are part of the career revalued benefits scheme called the USS Retirement Income Builder. From 1 October 2016 a threshold, initially of £55,000 a year, will apply to the maximum salary that counts towards the USS Retirement Income Builder. From the same date a new defined contribution section of the scheme called USS Investment Builder will open and any contributions above the threshold will be invested in this section. The exception to automatic membership of the pension scheme applies if your post is located out with the UK in an EU member state. If this is the case membership of USS is not available to you.

New members of staff may opt out of USS within three months of taking up appointment and will then be treated as if they had never been a member of the scheme. After three months members of staff who wish to withdraw from USS during their employment will be required to give a minimum of 28 days' notice in writing to the University. Any member of staff who wishes to opt out should contact the Pensions Section, Finance, in the first instance ([pensions@strath.ac.uk](mailto:pensions@strath.ac.uk)). Please note that if you are a member of Pensions Plus and withdraw from USS with less than two years of membership, or cease employment with the University and have less than two years of USS membership, the option of a refund of pension contributions will not be available to you. Instead, USS must provide you with a pension benefit that is payable from your retirement date.

The University reserves the right to alter or withdraw Pensions Plus as it sees fit or as required to comply with legislative changes. Withdrawal or amendment of Pensions Plus will not affect your membership of USS. If you do not wish to participate in Pensions Plus but wish to remain in the pension scheme please contact the Pensions Team who will provide you with a non-participation form.

Information regarding pension scheme membership can be found on the Pensions pages of the University's website. Full information regarding USS can be found on the USS website – [www.uss.co.uk](http://www.uss.co.uk)

## **9. PLACE OF RESIDENCE**

The University does not normally place specific restrictions upon the place of residence of members of staff. They are, however, expected to reside in a location which is compatible with the satisfactory fulfilment of all the duties associated with their appointment and with membership of the academic community.

## **10. PERIOD OF EMPLOYMENT**

Members of staff are employed on the conditions indicated in individual letters of appointment and any accompanying papers. The University is not obliged to give notice of termination or continue any employment beyond the end of the fixed term period. Where the period of the contract of employment is for one year or less it may be terminated short of the fixed term period by 1 month's notice on either side. Where the period of the contract of employment is for more than one year, or where there have been a further contract or series of contracts immediately consecutive, the employment may be terminated short of the fixed term period by 3 months' notice on either side, except during the probationary period when the notice period is one month.

## **11. NOTICE AND TERMINATION**

The employment of a member of staff is terminable by at least three months' notice in writing, on either side; except during probationary period when the notice period is one month. If notice is being given by a member of staff earlier release may be granted if this can be arranged without detriment to the work of the department or area. If the appointment is for a fixed term it will expire at the end of the period without the necessity for notice. Fixed term contracts may be terminated by either party short of the expiry date by the serving of one months' notice in writing. The University is not obliged to continue a fixed term appointment beyond the employment period.