



Autolus

Incredible opportunity with Autolus!

An amazing STEM apprenticeship opportunity has arisen at Autolus, Stevenage. This organisation is a cell and gene therapy company and they are currently looking for two school leavers with a passion for science.

A Technician Scientist in Cell & Gene Therapy carries out scientific experimentation, laboratory investigations and/or production activities across Research & Development and/or Commercial manufacture of Advanced Therapy Medicinal Products (ATMPs). They will use specialised technical skills and advanced scientific techniques following procedures associated with their organisations operational plans to deliver as part of a wider professional team. They operate within a highly regulated environment because of the need to control quality and safety of Advanced Therapies and use their awareness of the research context to contribute to the proposal of new scientific ideas.

Foundation Degree Applied Bioscience

New Standard Technician Scientist Qualification



- Working week
37.5 hr working week with paid lunchbreaks, Total hours per week: 37.50
- Expected duration
39 months
- Possible start
date 01 Sep 2019
The deadline for applications is 16th June

Desired qualifications

You should possess a minimum of 5 GCSEs (or equivalent) - grades 9-4 (A – C) including Science, maths and English

For entry to the Technician Scientist (Level 5) apprenticeship you must have a total of 80 UCAS points including preferably a B in A-Level Biology or equivalent. Alternative experience and qualifications will be considered.

Employer

Autolus Limited

<http://www.autolus.com/>

National Careers Service

The National Careers Service provides information, advice and guidance to help you make decisions on learning, training and work.

Explore careers

Find out what a job involves and if it's right for you.

Skills health check

Use their assessment to find out what kind of jobs could suit you.

They are also available for careers advice via the following channels:

Webchat

This service is open from 8am to 10pm, 7 days a week.

Phone

Call 0800 100 900 to speak to an adviser. Lines are open from 8am to 10pm, 7 days a week. Calls are free from landlines and most mobile numbers.

Online message

Send an online message to ask an adviser a question,

Callback

Tell them your phone number and an adviser will call you back.

**National
Careers
Service**

Skills health check

There are two different types of assessments that can help you explore your skills, interests, motivations, problem solving skills and how you work with information. They'll help you understand your:

- personal skills
- activity skills

Personal skills

Work through the personal skills assessments to help you understand your skills, interests and motivations in the workplace. Explore what you're good at, your preferred working style and what you want to get from work.

Interests

- Find areas of work you are interested in

Personal Style

- Understand how you prefer to work

Motivation

- Identify what you want from work

Activity skills

Work through the activity skills assessments to help you get a better understanding of how you work with information and solve problems in the workplace.

Understanding what activity skills you have, could help you if you're writing your CV, looking for work, applying for jobs or going to an interview.



Working with numbers

- Explore how you make judgements using numbers

Working with Written information

- Explore how you make judgements using written information

Solving mechanical problems

Working with shapes

Solving abstract problems

Your Skills Health Check report can provide you with a clear idea of your skills and strengths. Your report will also outline how your skills can help you get the job you want. Your report is for your personal use – no one else can see your results.

<https://nationalcareersservice.direct.gov.uk/skills-health-check/home>



Medical Mavericks

Medical Mavericks mission is all about providing inspiration to raise aspirations and to show students the opportunities they have in front of them. There are over 300+ career opportunities within the NHS. Most students think of doctors and nurses when they think about medicine. Medical Mavericks aim to show students the range of possibilities there are in the world of Healthcare Science. Here are just a couple of examples of their Healthcare Science careers of the week.

To see more of these amazing careers pop along to the careers library and look at the vast display of Healthcare Science posters we have on display. We also have a Medical Mavericks book full of lots of useful information and fun facts.

Rehabilitation Engineer

These guys are involved in the development of technology which match the needs of their patient. They also are involved in making custom-made technology such as; artificial limbs, speech synthesizers, wheel chairs and robotic aids. The latest 'bionic arm' designed by rehab engineers has allowed a man to feel the shape or softness of objects for the first time in 9 years since he lost his arm! The next step is to make the electronics smaller and smaller so they are more portable and usable by the patients.



Amazing Fact: Stephen Hawkins Voice, "Speech Synthesizer," was developed in the 1980's, it's still the original and there is only one copy!!

What To Do To Get Into This Career

5 x GCSEs at Levels 9-4, including Maths, English & Science

A – Levels or BTEC in Science & Technology subjects e.g. Physics & Technology

Practitioner Training Programme on a Healthcare Science BSc degree in Rehabilitation Engineering

or

A subject related BSc University Degree Qualification First or 2:1

Scientist Training Programme (STP) on a MSc Course at University

Neurophysiologist

The human brain is more powerful than any computer (at the moment anyway). These guys explore how the brain and nerves work and what happens when things go wrong. The patients they work with could have serious conditions such as dementia, multiple sclerosis and strokes or less serious, but still very painful and disabling nerve entrapments or carpal tunnel syndrome. Using sophisticated equipment they carry out test to try and pinpoint the disease. They conduct electromyography (EMG), electroencephalogram (EEG) or evoked potentials - which is where they stimulate a nerve with a tiny electric shock.



Amazing Fact: A Human Brain has 86 Billion neurons; building blocks of the nervous system, our closest rival are Elephants with 23 Billion.

What To Do To Get Into This Career

- 5 x GCSEs at Levels 9-4 / including Maths, English and Science
- A – Levels or BTEC Biology, Chemistry recommended



- A subject related BSc University Degree Qualification First or 2:1
- Scientist Training Programme (STP) on a MSc Course at University

Alternative courses to Consider at University:
Genetics Biomedical Science Immunology Molecular Biology Cell Biology Physiology Biological Science
Similar careers to look for in Life Sciences:
Biochemistry Pathology Haematology Clinical Immunology Toxicology Virology

www.medicalmavericks.co.uk

Medical Mavericks TV!

Every Wednesday they release a new episode that covers everything totally awesome about science and the human body. Check out the episodes so far at the website below.



Bite sized science bits to help your brain grow!

<https://www.medicalmavericks.co.uk/for-students/mmtv>

Women in Mathematics - UC8920 UCL

University of London
1st July 2019

Full Event Details:

This course will cover a variety of mathematical topics. There will be formal lectures, a problem-solving session and advice on careers and university admission. The course is aimed at encouraging women to study Mathematics at university and is open to women only. Applicants should be studying Mathematics at A-level or equivalent and be seriously considering taking a degree involving Mathematics.



Apprenticeships

There are a range of apprenticeships advertised weekly via the Harlow College and Hertford Regional College websites.

<http://www.harlow-college.ac.uk/study-options/apprenticeships/apprenticeship-vacancies>

<https://www.hrc.ac.uk/apprenticeships/apprenticeship-vacancies>

Here is a selection of the positions currently on offer. For further details on each apprenticeship please visit the website.

Business Administration Apprentice (Level 3)

An Administration Apprentice is sought to work in our business support team. Full company training given as well as day-release training at Harlow College. You will be a good communicator and keen to earn new skills. You will wish to offer internal and external customers great customer service and support. Location: Hoddesdon

Closing Date: 09/06/2019

Employer Name: M I S L

Wage: £146.25

Ref: 1486652



Training provider

The training provided will be to the Advanced Apprenticeship Standard Business Administrator (Level 3) and will include:

- City & Guilds combined knowledge and competency based qualification
- Functional skills Level 1 in English, maths and ICT
- Personal Learning and Thinking Skills
- The programme is based on end point assessment

Apprenticeship standard
Business Administrator

Training provider
Harlow College

<https://www.findapprenticeship.service.gov.uk/apprenticeship/-/372610>



PHP Website/App Developer Apprentice

We seek a talented individual who will train with us as a PHP Website and online App Developer using PHP, CSS, JavaScript, JQuery and MySQL, to build and support innovative websites and online applications.

Location: Sawbridgeworth

Closing Date: 09/06/2019

Employer Name: Brilliant Ltd

Wage: £200.00

Ref: 1493604

- Diploma in ICT professional competence (QCF)
- Award in ICT systems and principles for Apprenticeship
- Functional skills level 1 in English, maths and ICT
- Employee rights and responsibilities
- Personal learning and thinking skills



Apprenticeship framework
IT, Software, Web and Telecoms Professionals

Training provider
Harlow College

<https://www.findapprenticeship.service.gov.uk/apprenticeship/334418>

CNC Operator / Engineering Apprentice

Due to continued growth at Empire Manufacturing, we have invested in the very latest CNC Star and CMZ machines and we are looking for another apprentice to join our company. You will be trained with us and at college and will learn all aspects of working in a thriving CNC company.



Location: Hoddesdon

Closing Date: 09/06/2019

Employer Name: Empire Manufacturing

Wage: £12,000.00

Ref: 1451670

- Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence)
- Level 2 Diploma in Machining (Foundation Knowledge)

After a further period of skills and technical knowledge development all apprentices will be required to achieve the following qualifications:

- Level 3 Diploma in Advanced Manufacturing Engineering (Development Competence) - Machining
- Level 3 Diploma in Machining (Development Knowledge)

Plus functional skills at Level 2 Maths and Level 2 English.

Harlow College



Customer Service Administrator Apprentice

Early Careers - Turnford

Unsure what to do next? Let us help you!

Earn while you learn from the best in the industry and shape your career with us. Become part of our family, become an ICS apprentice.

Based in our Turnford office, you would be responsible for supporting our large IT team. We offer £6.50 per hour and a flexible start date!

If you would like to find out more visit our website careers.ukics.com or contact stephanie.moretto@ukics.com

Useful Links

<https://www.qmul.ac.uk/degreeapprenticeships/programmes/> some really good degree apprenticeship's through Queen Mary University a Russell group university – KPMG, Arts Association, Samaritans, Alzheimer's Society etc.

<https://blogs.lse.ac.uk/careers/2019/05/22/making-the-most-of-your-internship/> this is useful for any student going on work-experience.

<https://university.which.co.uk/advice/ucas-application/firm-and-insurance-choice-replying-to-university-offers> tips from Which on deciding on your firm choice and insurance deadline is 20th June.

<https://www.bbc.com/bitesize/articles/z4ykscw> What does it take to be a journalist discussed by BBC journalists.

<https://www.swansea.ac.uk/som/summerschool/> Swansea University Summer School in Management cost is £130 .

<https://www.swansea.ac.uk/engineering/summer-schools/> Engineering summer school at Swansea.

<https://russellgroup.ac.uk/for-students/school-and-college-in-the-uk/subject-choices-at-school-and-college/> the new Informed Choices website.

If you have any questions or queries relating to careers please contact the careers leader Kate Ward on wardk@haileyburyturnford.com