The Sheild Professorship of Pharmacology

16 November 2021
Job Reference: PL28542
Sheild Professorship of Pharmacology

Background to the role

The Sheild Professorship in Pharmacology was established in 1946 and is named after Marmaduke Sheild (1858-1922), who had bequeathed funds to support pharmacology and medicine in the University of Cambridge. There have to date been six Sheild Professors: Ernest Verney FRS (1946-1962), Sir Arnold Burgen FRS (1962-1971), Gustav Born FRS (1973-1978), Alan Cuthbert FRS (1979-1999), Peter McNaughton FMedSci (1999-2013), and Mike Edwardson FBPhS (2016-present).

Although the position does not require the incumbent to become Head of Department at the start of their appointment, it is both expected and desired that the newly appointed Professor will participate in the senior leadership of the Department and that they may wish to take on the role of Head of Department in the future.

Standard Duties

1) Teaching and research
The Professor will be required to deliver lectures and give instruction in Pharmacology and in particular to perform the following duties:

i) to lecture, or hold classes, and to give lectures or classes as requested by the Head of Department or their Deputy, and based on an equitable teaching workload allocation.

ii) to undertake original work and the general supervision of research and advanced work in their subject and Department, and to assist students in their studies by supervision or informal instruction.

2) Examining
The Professor will be required to undertake such university examining as may be required by the relevant Faculty Board or comparable body.

3) Supervision
The Professor will be required to act as the supervisor of graduate students as and when requested.

4) Administration
Administrative duties are shared equitably among the teaching members of the Faculty. The Professors are expected to play significant roles from time to time on the Faculty Board and Faculty Committees dealing with such matters as academic and other appointments, admission of graduate students, research and teaching assessments, the libraries and computing arrangements. They are also encouraged to accept appointment(s) to University Committees.
## Person Specification

Candidates will be considered for the Professorship on the basis of the following selection criteria, which you should address in your application.

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<th>Criteria</th>
<th>Essential</th>
<th>Desirable</th>
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<tr>
<td><strong>Education</strong></td>
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<td>An outstanding research record of international stature in pharmacology</td>
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<td>The vision, leadership experience and enthusiasm to build on current strengths in maintaining and developing a leading research presence, and an established record in attracting research grant support to further this development</td>
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<td>The ability to further the academic planning and strategic development of pharmacology in the University and, where appropriate, to facilitate its development within the UK.</td>
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<td>The ability to manage and interact effectively with staff and students at all levels.</td>
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<td>An enthusiastic commitment to the recruitment, training and mentoring of the next generation of researchers, including undergraduates, research students, and postdoctoral research fellows</td>
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<td>Candidates will hold a PhD or equivalent postgraduate qualification.</td>
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The Department of Pharmacology is a world-leading research and education institute. As part of the School of the Biological Sciences our undergraduate and postgraduate education programmes develop the next generation of scientists, and our 14 research groups address fundamental questions about the effects of drugs and other molecules on biological systems in order to understand the mechanisms of the human body, disease pathologies, and effective treatments.

Key areas of focus within the Department are mechanisms underlying chronic pain and healthy ageing; new ways to detect and treat cancer; and the action of drugs on cell surface receptors that modify cellular functions. Our research strategy is increasingly focused on drug discovery, and this is a particularly exciting time for drug development in Cambridge, with AstraZeneca relocating their headquarters in Cambridge, and the substantial interaction of GSK with the University. Working effectively with industry is a core strength of the Department’s teaching and research. We have numerous industry collaborations, with investment into research groups via grants, PhD studentships and research service contracts from AstraZeneca, GSK, Takeda Pharmaceuticals, Roche, Heptares, Shinogi and Firmenich amongst others.

We are one of only a small number of departments of Pharmacology in the UK, and Cambridge ranked the top UK University for Pharmacology and Pharmacy in both the UK Universities Times Subject Ranking 2020 and the Complete University Guide 2021 Subject League Table. The Department teaches pharmacology to second- and third-year Natural Sciences and Medicine and Veterinary Medicine undergraduate students.

The Department is committed to providing an environment in which all members of the can flourish and reach their potential, and it holds a Bronze Athena SWAN award.

For more information about the Department see https://www.phar.cam.ac.uk
The School of Biological Sciences

The School of the Biological Sciences is one of the six Schools that are responsible for delivering teaching and research within the University. The School encompasses the Faculty Board of Biology and the Faculty Board of Veterinary Medicine and is represented on the Faculty Board of Clinical Medicine. It has responsibilities across three undergraduate Tripos courses (the Natural Sciences Tripos, Medical and Veterinary Sciences Tripos and Psychological and Behavioural Sciences Tripos).

The School delivers internationally leading research and teaching on animal, plant and microbial science at scales that range from the atomic, molecular and cellular through whole organisms to populations and communities. The research has impacts on the pharmaceutical and biotechnology industries, on human and animal health and the clinic as well as in conservation, agriculture and the environment.

The School and the School of Clinical Medicine, together with their partner institutes in the local area, run a Graduate School known as the Postgraduate School of Life Sciences. There is also an Office of Postdoctoral Affairs, which provides support for postdocs across the whole University.

The School is organised into nine Departments and the Centre for Family Studies plus four major research Institutes and an animal hospital. Detailed information about research and teaching in the School is to be found on the departments' web sites. The members of the Gurdon Institute, the Sainsbury Laboratory and the Systems Biology Centre have affiliations with departments in the School. The Stem Cell Institute and Milner Institute have affiliations also within the School of Clinical Medicine. The MRC Toxicology Unit moved to Cambridge at the end of 2020 and is located adjacent to the Department of Pharmacology and shares a Link building to facilitate close collaboration between the two disciplines.

The School is a key player in the Cambridge Conservation Initiative as well as the majority of Cambridge Strategic Research Initiatives. The School is associated with the Museum of Zoology and the Botanic Garden. Key officers of the School plus details of relevant Research Ethics Committees (Human Biology, Psychology) can be found on the School's website. Various subcommittees report to the Council, as required.

Formal representation on the Council of the School (its most senior decision-making body) is outlined in Chapter 8 of the University’s Statutes and Ordinances. Heads of School Institutes, as well as Heads of Departments, are currently co-opted to the Council, together with representatives of the three Faculty Boards. In addition, the Head of the Botanic Garden and a representative from the School of Technology attend as observers.
Terms of Appointment

All appointments to University Offices are subject to the Statutes and Ordinances of the University.

Salary
Salary on appointment will be determined by the Vice-Chancellor at an appropriate point on the University’s salary spine for grade 12, taking into account the criteria for the respective contribution band. Professorial salaries are reviewed periodically, on the basis of research, teaching and general contribution, by the Vice-Chancellor with the assistance of a small Advisory Committee.

Headship of the Department
Should a Professor be appointed to the Headship of a Department, a pensionable payment is made in addition to salary.

Recruitment Incentive
The University has a scheme whereby a single recruitment incentive payment may be made on appointment at the Vice-Chancellor’s discretion.

Tenure
Appointments are to the retiring age for established academic positions.

Working Pattern
The appointment is full-time.

Annual leave
Subject to compliance with the Statutes and Ordinances relating to leave, full time officers are entitled in any holiday year to take a minimum of 28 days annual paid holiday. These periods are inclusive of public holidays that fall outside Full Term.

Sabbatical leave
Cambridge has a generous statutory provision for leave of absence of one term for every six terms of service. Academic staff use this opportunity for study and research.

Pension
You will automatically be enrolled to become a member of USS (Universities Superannuation Scheme), a defined benefits pension scheme. If you are already a member of the NHS Pension scheme, you may be eligible to continue in the scheme and should contact the Pensions section of the University: www.pensions.admin.cam.ac.uk/.

College membership
Membership of a College adds an important social and intellectual dimension which many of the University’s academic community find attractive. Further details about a Professorial Fellowship are set out below and more details about college membership are provided in a separate section of this document.

The Scheme for newly-appointed University Officers seeking a College Fellowship is set out at: https://www.ois.cam.ac.uk/uto-scheme

Residence
It is a requirement of the role that you are resident in the University during term-time. Further information can be found here, p. 679: https://www.admin.cam.ac.uk/univ/so/pdfs/2020/ordinance11.pdf
Removal Expenses
If the person appointed is not resident in Cambridge, a contribution from University funds will be made towards expenditure incurred in removal to Cambridge to take up a University office.

Consultancy Work
The University’s policy on consultancy work is that consultancy arrangements must be entered into privately between the employee and the organisation concerned. The consultancy work must not interfere with the duties required of the officer under the officer’s contract of employment with the University. Consultancy work is not covered by the University’s insurances, even when the University has knowledge that such work is being done. The University must not be regarded as being directly or indirectly involved in any consultancy arrangement through the use of University letterheads, advice given or work done in the individual’s capacity as an employee of the University. Individuals undertaking private or consultancy work are advised to take out personal insurance.

Alternatively, professional indemnity cover may be obtained by channelling private work through the University company Cambridge Enterprise Ltd. Anyone wishing to do so should, in the first instance, contact them at www.enterprise.cam.ac.uk.

Professorial Fellowships
The great majority of Professors at Cambridge hold a professorial fellowship of a college. Although election to a fellowship is a matter for an individual college, the University takes active steps to draw the attention of Heads of House to the names of those Professors eligible for election. The Scheme for newly-appointed University Officers seeking a College Fellowship is set out at: https://www.ois.cam.ac.uk/system/files/documents/guidance-for-applicants.pdf

General Information

Pre-employment checks
Right to work in the UK - We have a legal responsibility to ensure that you have the right to work in the UK before you can start working for us. Accordingly, shortlisted candidates, whatever their nationality, will be asked to provide such evidence at an appropriate stage in the recruitment procedure. If you do not have the right to work in the UK already, any offer of employment we make will be conditional upon you gaining it.

Screening Checks
This role requires a basic disclosure/ standard Disclosure and Barring Service (DBS) Check/an enhanced Disclosure and Barring Service (DBS) check/a security check. Any offer of employment we make to you will be conditional upon the satisfactory completion of this/these check(s); whether an outcome is satisfactory will be determined by the University.

Health Declaration - Offers of appointment made to prospective University officers whose work will fall within certain categories are
conditional on the completion of a medical questionnaire and, if necessary, on a satisfactory health check by the Occupational Health Service. Only the person elected will be asked to complete the questionnaire, at the time of election.

References – References will be requested prior to the final meeting of the Board of Electors. Please note: references are not required from your current employer.

Equal Opportunities
The University of Cambridge appoints solely on merit. No applicant for an appointment in the University, or member of staff once appointed, will be treated less favourably than another on the grounds of sex (including gender reassignment), marital or parental status, race, ethnic or national origin, colour, disability (including HIV status), sexual orientation, religion, age or socio-economic factors.

Equality and Diversity
We particularly encourage women and /or candidates from a Black, Asian and Minority Ethnic background to apply for this vacancy as they are currently under-represented at this level within our University.

Information if you have a disability
The University welcomes applications from individuals with disabilities. We are committed to ensuring fair treatment throughout the recruitment process. We will make adjustments to enable applicants to compete to the best of their ability wherever it is reasonable to do so and, if successful, to assist them during their employment. Information for disabled applicants is available at:
https://www.hr.admin.cam.ac.uk/policies-procedures/disabled-applicants-and-members-staff

We encourage you to declare any disability that you may have, and any reasonable adjustments that you may require, in the section provided for this purpose in the application form. This will enable us to accommodate your needs throughout the process as required. However, applicants and employees may declare a disability at any time.

Applicants wishing to discuss with or inform the University of any special arrangements connected with their disability can, at any point in the recruitment process, contact Dr Gosia Wloszycka, who is responsible for the administration of the recruitment process for this position, by email on: mw425@admin.cam.ac.uk
The University

The University of Cambridge is one of the world’s oldest and most successful universities. We are a renowned centre for research, education, and scholarship that makes a significant contribution to society. The University is consistently ranked amongst the top universities in the world. Our affiliates have won more Nobel Prizes than any other University.

Our sustained pursuit of academic excellence is built on a long history of first-class teaching and research within a distinctive collegiate system. For eight centuries our ideas and innovations have shaped the world. Our principal goal is to remain one of the world’s leading universities in an increasingly competitive global higher education sector. Today the University of Cambridge is at the centre of a cluster of over 4,300 businesses employing 58,000 people.

Our capital investment projects include the West Cambridge site, the North West Cambridge development and the growth of the Biomedical Campus in the south of the city. The North West Cambridge development includes the opening of a primary school – the first in the UK to be managed by a University. So we are deeply embedded in, and committed to serving, our local community. These are all conspicuous signs of a University that is not only adapting to new needs, but also anticipating the future.

Our mission is to contribute to society through the pursuit of education, learning, and research at the highest international levels of excellence. Our core values are:

- freedom of thought and expression; and
- freedom from discrimination.
About Us

The University is one of the world's leading academic centres. It comprises 150 faculties and departments, together with a central administration and other institutions. Our institutions, museums and collections are a world-class resource for researchers, students and members of the public representing one of the country’s highest concentrations of internationally important collections.

The University has an annual income of £2 billion. Research income, won competitively from the UK Research Councils, the European Union (EU), major charities and industry, exceeds £500 million per annum and continues to grow.

The Colleges and the University remain committed to admitting the best students regardless of their background and to investing considerable resources both in widening access and financial support. The 31 Colleges are self-governing, separate legal entities which appoint their own staff. Many academic staff are invited to join a College as a Teaching Fellow, which provides a further social and intellectual dimension. The Colleges admit students, provide student accommodation and deliver small group teaching.

The University awards degrees and its faculties and departments provide lectures and seminars for students and determine the syllabi for teaching and conducting research.

Our instinct for seeking out excellence and setting up enduring and mutually beneficial collaborations has led us to establish strategic partnerships across the globe. Whether it is the successful Cambridge-Africa Programme involving universities in Ghana, Uganda and elsewhere on the African continent; or the close association with the government of India to pursue new research in crop science; or the creation, with Germany’s Max Planck Institutes, of a Cambridge-based centre for the study of ethics, human economy and social change – international partnerships are now an inextricable part of the University’s make-up.

“Cambridge graduates and researchers have made – and continue to make – a colossal contribution to human knowledge and the understanding of the world around us. Their work touches on the lives and livelihoods of everyone from patients diagnosed with life-threatening diseases, to residents of areas critically affected by climate change, to children growing up in conflict zones. It has a lasting impact on our society, our economy and our culture: the world is truly a better place thanks to their efforts.”

Stephen Toope, Vice Chancellor 2019
Working at the University

Working at Cambridge you will join a diverse, talented and innovative community, with more than 18,000 students and over 16,000 staff from all walks of life and corners of the world.

The University continually explores strategies to attract and retain the best people. It is committed to supporting its staff to achieve their best. We are a fair, diverse and inclusive society and we believe our staff are our greatest asset. There is strong commitment to developing institutional leadership and supporting and encouraging staff development at all levels.

We offer a variety of roles including academic, research, professional, managerial and support roles. We also offer extensive benefits and excellent learning opportunities within a stimulating working environment.

The University’s estate is undergoing the most significant transformation in its history. Cambridge has been able to create a new science and technology campus to the west of the city centre and is now expanding further to the north west of Cambridge including investing in affordable homes for University key workers and community facilities. Even with our continued development, the University remains within walking or cycling distance across the campus. The University is a major partner on the Cambridge Biomedical Campus, and we continue to redevelop our historic city centre sites demonstrating our determination to ensure that we can offer the best facilities and opportunities for our staff and students.

Equality & diversity
The University has built its excellence on the diversity of its staff and student community. We aim to be a leader in fostering equality and inclusion, and in promoting respect and a sense of belonging for all. We encourage applications from all sections of society. All appointments are made on the basis of merit. We have an Equal Opportunities Policy, along with a range of diversity networks for women, black and minority ethnic and lesbian, gay, bisexual and transgender staff. More details are available here: [http://www.equality.admin.cam.ac.uk/](http://www.equality.admin.cam.ac.uk/)

The University has a bronze Race Equality Charter aware, with framework for improving the representation, progression and success of minority ethnic staff and students within higher education. Furthermore, the University’s Athena SWAN award recognises and celebrates good practice in recruiting, retaining and promoting women.
Living in Cambridge

Cambridge is rich in cultural diversity. From beautiful University and College buildings, museums and art galleries, quaint gardens and punts on the River Cam, to a vibrant restaurant and café scene, our employees are surrounded by the wonderful features of this unique city.

You can find a wide range of high street shops and 3 shopping centres, with independent alternatives at the historic market and nestled within the passageways in the city centre. You will find a cinema, bowling alley, a nightclub and various live performances at the Cambridge Leisure Park, with further entertainment options at the Corn Exchange, Arts Theatre and the ADC Theatre. Further information can be found on the Visit Cambridge website.

If you prefer the faster pace of life, London is a 45-minute train journey away. For those travelling from overseas, Stansted Airport is just 45 minutes away and Heathrow Airport under 2 hours away. The University is a short distance from a host of other attractions such as Ely Cathedral, Newmarket Races and various wildlife parks and stately homes. Cambridge is also within easy reach of the beautiful Broads and coastlines of Norfolk and Suffolk.

Relocation Support

The University recognises the importance of helping individuals to move and settle into a new area. We provide support and guidance to those relocating internationally or domestically to take up a post at the University of Cambridge, liaising with other University offices and selected partners to ensure comprehensive relocation support is available. This includes: accommodation, childcare, schools, banking, immigration and transport. If you would like further information, please visit https://www.accommodation.cam.ac.uk/relocation. The Shared Equity Scheme and the Reimbursement of Relocation Expenses Scheme provide financial assistance to qualifying new members of staff with the costs of relocating to Cambridge.

Accommodation Service

The University Accommodation Service helps staff, students and visiting scholars who are affiliated to the University in their search for suitable accommodation in Cambridge. The dedicated accommodation team can provide access to a wide range of University-owned furnished and unfurnished properties and has a database of private sector accommodation available for short and long-term lets. For further information and to register with this free service please visit https://www.accommodation.cam.ac.uk/
What Cambridge can offer

We offer a comprehensive reward package to attract, motivate and retain high performing staff at all levels and in all areas of work.

The University offers a wide range of competitive benefits, from family leave entitlement, to shopping and travel discount schemes. Our generous annual leave package contributes to the positive wellbeing of our University employees. Sabbatical leave enables academics to focus on research and scholarship, whilst still maintaining their full salary. The University also has a career break scheme for academic and academic-related staff, with additional flexible working policies for all other staff.

Pay and benefits
The University salary structure includes automatic service-related pay progression in many of its grades and an annual cost of living increase. In addition to this, employees are rewarded for outstanding contribution through a number of regular pay progression schemes. The University offers attractive pensions schemes for employees, with an additional benefit of a salary exchange arrangement providing tax and national insurance savings. Payroll giving is also a simple, tax-efficient way for employees to make monthly donations to charity.

CAMbens employee benefits
We offer a CAMbens scheme for University employees, providing access to online and in-store shopping discounts and cashback. With more than 2,000 participating retailers, employees can save money on a wide range of household expenses, from groceries and clothes, to holidays and insurance and much more. A range of local discounts are also available, helping employees to save money whilst also supporting local Cambridge businesses and a CAMbens Cycle to Work salary sacrifice scheme is also available, which enables employees to save money on transport costs. A 10% discount rate on the purchase of train season tickets, bulk buy tickets and an interest free travel to work loan are also available for staff of the University.
What Cambridge can offer

Family-friendly policies
The University recognises the importance of supporting its staff. We have a range of family-friendly policies to aid employees' work-life balance including a generous maternity, adoption and shared parental leave entitlement of 18 weeks full pay, and paid emergency leave for parents and carers.

Other family-friendly support includes:
- Our highly regarded workplace nurseries, a childcare salary exchange scheme and a high-quality holiday Playscheme may be available to help support University employees with caring responsibilities (subject to demand and qualifying criteria). Further childcare information can be found here: [https://www.childcare.admin.cam.ac.uk/](https://www.childcare.admin.cam.ac.uk/)

The Newcomers and Visiting Scholars Group is an organisation within the University run by volunteers whose aim is to help newly arrived wives, husbands, partners and families of Visiting Scholars and members of the University to settle in Cambridge and give them an opportunity to meet local people. The Postdoc Academy supports the postdoctoral community within Cambridge. Further details are available here: [https://www.postdocacademy.cam.ac.uk/](https://www.postdocacademy.cam.ac.uk/)

Your wellbeing
The University’s Sport Centre, Counselling Services and Occupational Health are just some of the support services available to University employees to promote their physical and mental wellbeing. There are many societies in Cambridge catering for almost every taste and interest. Whether you want to take part in a sport, participate in music or drama, pursue a hobby, or join a political group, you will almost certainly find that a society exists for this purpose. The University also hosts the Cambridge Science Festival and Cambridge Festival of Ideas, as well as Open Cambridge weekend, which together attract over 50,000 visitors per year. The festivals are a great opportunity to get your first taste of public engagement, through volunteering, supporting hands-on activities or proposing a talk.

Development opportunities
We support new employees to settle in through various activities. The encouragement of career development for all staff is one of the University's values and we put this into practice through various services and initiatives. Our Personal and Professional Development Department provides development opportunities and courses for all University employees. These include face-to-face sessions, online learning modules and webinars. Employees may also apply for financial support to undertake training that will lead to a qualification. We offer reduced staff fees for University of Cambridge graduate courses and the opportunity to attend lectures and seminars held by University departments and institutions. The CareerStart@Cam programme also supports employees in assistant staff roles who do not hold higher education qualifications to develop their skills, experience and qualifications.
College Membership

The University, the Faculties and Departments, and the Colleges are linked in a complicated historical relationship that is mutually beneficial but not simple. Students (both graduate and undergraduate) are admitted by one of the 31 Colleges, although in the case of graduate students the Faculties and Departments determine admissions before the Colleges are involved. Almost all undergraduates, and many graduate students, live in a College.

The teaching of undergraduate students is shared between the Colleges and the Faculties and Departments, with the Colleges arranging small group teaching (“supervision”) and the Departments providing lecturing, laboratory classes, and advanced supervisions. Most academic staff will also be invited to join a College as a teaching or professorial fellow.

Membership of a College adds an important social and intellectual dimension which many of the University's academic community find attractive. Most colleges expect their fellows to take part in undergraduate supervision and College administration. Appointment to a College fellowship is a separate matter from a University appointment, for which the College provides modest remuneration additional to University salary. It is not compulsory for academic staff to be a member of a College.

Further advice can be obtained from The Chair of the Faculty/Head of Department or senior colleagues.

The Scheme for newly-appointed University Officers seeking a College Fellowship is set out at: https://www.ois.cam.ac.uk/utoscheme/guidance-for-applicants/view
How to Apply

Applications, consisting of a letter of application together with a statement of current and future research plans, a curriculum vitae and a publications list, should be made online no later than: 16 November 2021.

Applications should be submitted online via the University of Cambridge jobs page www.jobs.cam.ac.uk by clicking “Apply online” in the job advert. You will need an email address to register for our online system.

Conversations about flexible working are encouraged at the University of Cambridge. Please feel free to discuss flexibility prior to applying (using the contact information below) or at interview if your application is successful.

If you have any queries regarding the application process please contact: Dr Gosia Wloszycka at: professorships@admin.cam.ac.uk and/or mw425@admin.cam.ac.uk

Appointment Procedure

The appointment will be made by a Board of Electors, chaired by the Vice-Chancellor or Deputy, with a membership which includes members of the Department, members of cognate Departments and external experts.

All applications will be acknowledged. The Board of Electors will decide how they wish to proceed towards making an election, which may include interviews and/or presentations. Short-listed candidates may be invited to visit the Department to give a seminar on their work and meet prospective colleagues in the course of the process.

Candidates will be informed of the progress of their applications as agreed by the Electors.

It is anticipated that the successful candidate will take up the appointment on 1 October 2022 or as soon as possible thereafter.

Informal Enquiries

Informal enquiries about this Professorship are welcomed and should be directed to:

Professor Laura Itzhaki, Head of Department of Pharmacology
Email: lsi10@cam.ac.uk