

THE FORENSIC LABORATORY

has a vacancy for a

CHEMIST/
BIOCHEMIST

Candidates should hold a good degree or equivalent qualification in chemistry/biochemistry, and have had several years' post-graduate experience preferably in the field of drug metabolism or in biological chemistry. Experience of mass spectrometry would be an advantage.

The post is supernumerary (at present under F.N.S.U.) and is graded S.O./S.S.O. Salary (S.O.) £1,127, with 12 increments to £2,247; (S.S.O.) £2,710 with 8 increments to £3,831.

Applications should be submitted to the Director, Forensic Laboratory, Solihull House, Newmarket, Suffolk, with curriculum vitae and the names and addresses of 2 referees. (203)

KING'S COLLEGE HOSPITAL

King's College Hospital Diabetic Department have a vacancy for a laboratory technician or research graduate to assist in research into metabolic problems of diabetes. The work, which will include clinical as well as biochemical aspects, will be undertaken in conjunction with medical staff in the Diabetic Department.

Applications should be sent to the Principal Technician, Department of Pathology, King's College Hospital, Denmark Hill, S.E.5. (259)

UNIVERSITY OF DURHAM
DEPARTMENT OF BOTANY

A POST-DOCTORAL RESEARCH ASSISTANT is required for one year from October 1, 1972, to work in collaboration with Professor Boulton on the molecular synthesis of plant cytochrome *c* and plastocyanin. Preference will be given to candidates with previous experience of either serological or amino acid sequencing techniques.

Salary will be at an appropriate point on the scale £1,544-£2,250.

Applications (three copies) should be sent by August 18, 1972, to the Registrar and Secretary, Old Shore Hall, Durham, from whom further particulars may be obtained. (238)

QUEEN ELIZABETH MEDICAL
CENTRE
RESEARCH ASSISTANT

required to study the relationship of the leukocyte antigens of man and monkey. Candidates should hold either a degree in biology, genetics, immunology, or other biochemical science, or be experienced in the field of tissue typing. The post is guaranteed for one year in the first instance, with a possible re-employment for a further period. Salary according to qualifications up to a maximum of £1,743 per annum.

Applications, quoting BQM/RU, stating age, experience, qualifications, and naming one professional referee, to Assistant Secretary (Personnel), Queen Elizabeth Medical Centre, Birmingham B15 2TH. (189)

UNIVERSITY OF WESTERN
AUSTRALIA
PERTH
BIOCHEMISTRY

Applications are invited for appointment as SENIOR LECTURER in the Department of Biochemistry. Candidates should possess a Ph.D. degree or equivalent qualification and considerable post-doctoral research and teaching experience. The appointee will be required to supervise the work of Honours and Ph.D. students as well as to participate in the undergraduate teaching programme. Interested applicants should write without delay to Professor I. T. Oliver for further details of the Department and its work.

The salary range is \$A\$5,500-\$A\$11,110 per annum. Benefits include superannuation similar to F.S.S.U., rates to Perth for appointee and dependent family, removal allowance, study and home leave, subsidised temporary accommodation and housing loan scheme.

Applications, in duplicate, stating full personal particulars, qualifications and experience, should reach the Registrar, University of Western Australia, Nedlands, Western Australia 6009, by August 19, 1972. Candidates should request three referees to write immediately to the Registrar. (203)

Editorial Assistant
Biochemistry/Microbiology

GRADUATE required as sub-editor of Nucleic Acids Abstracts. Duties include abstracting, proof reading and some editing. Applications are invited from those with similar experience or those graduating in 1972. A knowledge of French and/or German would be an advantage. Please apply with full curriculum vitae to Dr. E. S. Krudy, Information Retrieval Ltd., 1 Falconberg Court, London W1V 5FG. (282)

AMGUEDDFA GENEDLAETHOL
CYMRU
NATIONAL MUSEUM OF WALES
DEPARTMENT OF ZOOLOGY
APPOINTMENT OF ASSISTANT KEEPER

There is a vacancy for an Assistant Keeper in the Department of Zoology and applications are invited from persons of graduate status who have had training in taxonomic zoology, preferably within the field of malacology, and with experience of handling conchological material in museums. The main responsibilities will be for the curation and study of the Meisell-Tomlin Collection, but duties will also include responsibility for other invertebrate collections, although this will exclude insects.

The successful candidate will be appointed within the scales for an Assistant Keeper I (£2,727 to £4,645) or Assistant Keeper II (£1,424 to £2,816) according to qualifications and experience, plus membership of F.S.S.U. There are generous facilities for annual and sick leave.

Application forms and further details can be obtained from the Secretary, National Museum of Wales, Cardiff. Closing date for applications August 10, but in exceptional cases late applications may be accepted up to August 18, 1972. (188)

RESEARCH POST AT THE OXFORD
HAEMOPHILIA CENTRE

Applications are invited from medically qualified graduate scientists with experience of research in some aspect of haematology or immunology for appointment as a member of a small team of Medical Research Council staff working at the Oxford Haemophilia Centre under the direction of Dr. Rosemary Baggs. The successful candidate will be expected to co-operate with other members of staff on projects already progressing at the Centre and to initiate a research project in the general field of interest of the work of the Centre. The M.R.C. staff work in close collaboration with the N.H.S. Clinical Unit and the Liver Institute Plasma Fractionation Laboratory at the Centre. Appointment will be to the M.R.C. staff on the appropriate scientific grade, and will initially be for a period of up to 5 years with the possibility of renewal at the end of this period. Superannuation provision. Applications should be addressed to Dr. Rosemary Baggs, Director, Oxford Haemophilia Centre, Churchill Hospital, Headington, Oxford OX3 7LJ. (207)

UNIVERSITY OF ST. ANDREWS
DEPARTMENT OF APPLIED MATHEMATICS

Applications are invited for a post of S.R.C. RESEARCH ASSISTANT to carry out numerical calculations related to collisionless plasma shock wave theory. The appointment is for one year from 1st September, 1972, at a salary in the range £1,641-£2,082.

Applications, naming three referees, should be lodged by 31st July, 1972, with the Deputy Secretary of the University, College Gate, St. Andrew's, from whom further particulars may be obtained. (273)

LABORATORY TECHNICIAN

with biochemical experience, to join a team to work on a long-term grant from the Medical Research Council to study cell separation techniques and steroid biosynthesis.

Qualifications: Associate of I.M.L.T. or equivalent. Experience in animal work and general administration an advantage. Starting salary: from £1,461-£1,851 including London Weighting, according to qualifications and experience.

Apply, with names of two referees, to: The Secretary, Department of Physics Applied to Medicine, The Middlesex Hospital Medical School, London W1P 6DB. (275)

UNIVERSITY OF EDINBURGH
DEPARTMENT OF CLINICAL SURGERY
BIOCHEMIST

Applications are invited from graduate or post-graduate biochemists preferably with experience in immunology to work in the biochemical section of the laboratories in the Department of Clinical Surgery.

Salary up to £2,823 per annum.

Further particulars are available from Professor A. P. M. Forbes, Department of Clinical Surgery, Royal Infirmary, Edinburgh EH3 9YW to whom applications should be made before 14th August, 1972. Please quote reference 5056. (271)

UNIVERSITY COLLEGE HOSPITAL
MEDICAL SCHOOL
DEPARTMENTS OF MICROBIOLOGY AND
BIOCHEMICAL PATHOLOGY

Technician required for one trained in research on oncogenic viruses. Tissue culture and virus experience desirable. Salary according to qualification based on Whitley Council Scale.

Apply to The Secretary, University College Hospital Medical School, University Street, London WC1E 6JJ by 4th August, 1972. (279)

SCOTTISH NATIONAL BLOOD
TRANSFUSION ASSOCIATION
PROTEIN FRACTIONATION CENTRE

Application is invited for the post of Senior Biochemist in the Protein Fractionation Centre, Edinburgh, which is concerned in the large-scale processing of human blood plasma. Candidates, who should possess a doctorate, must have experience of the practice and theory of separation techniques recognized in the preparation of biological substances for clinical use and should be prepared to take active part in research and development programmes designed to extend the range and application of such techniques.

Salary and conditions of employment will be on the Whitley Council Professional and Technical "A", Biochemists and Physicians with placement on the Senior Grade.

Further particulars may be obtained from the Secretary, Scottish National Blood Transfusion Association, 5 St. Colme Street, Edinburgh EH3 6AE, to whom application with details of experience and the names and addresses of two referees should be sent not later than 31st August, 1972. (270)

UNIVERSITY COLLEGE, GALWAY

LECTURESHIP IN MICROBIOLOGY

Applications are invited for the above post. The post is salaried and carries a salary of £2,756-£3,836 per annum. Marriage and family allowances are also payable. A non-contributory pension scheme operates in the University.

Further particulars may be obtained from the Secretary, University College, Galway, Ireland, to whom applications (three copies) should be lodged by September 15th, 1972. (276)

SCOTTISH NATIONAL BLOOD TRANSFUSION ASSOCIATION PROTEIN FRACTIONATION CENTRE

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Protein Fractionation Centre

Job Description of the Post of Senior Biochemist

The Protein Fractionation Centre is currently sited in the Edinburgh and South-East Scotland Regional Blood Transfusion Centre, Royal Infirmary, Edinburgh. New premises are under construction at Ellens Glen Road, Liberton, in the southern suburb of the city.

The Centre has the prime function of processing human plasma collected in regional transfusion centres in Scotland and, later, in North England to provide materials for clinical use.

This function is divided in basic sections:

1. Processing
2. Finishing
3. Preparation
4. Quality Control
5. Research and Development.

The ultimate work-load of the Centre is expected to process more than 75,000 litres of plasma per year and, for this, will require a total staffing of approximately 120 people.

An intentional policy has been adopted in senior staffing of the Centre whereby the incumbent of new posts, within broad limits, will be able to define the limits of their own activity to some extent. For the present vacancy it is expected that the successful candidate would, initially, become familiar with all aspects of routine processing with the intention that his or her main activity would become settled in the sections dealing with research, development and quality control.

Development in the present premises has been aimed toward automated processing using currently accepted methodology but embodying flexible facilities for the inclusion of new techniques as they become available and accepted.

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It is expected that this development policy will be continued and that the Senior Biochemist would be capable of participation in such activity. The same flexibility of development has been included in the construction of onward-looking quality control activity where, in addition to the fulfilment of statutory obligations, methods are being sought and developed to meet the control requirement of products which are continually increasing in range and sophistication.

The Senior Biochemist must have had practical experience of physical methods of separating biological material, and must be able to apply it from the analytical up to the industrial scale. Plasma fractionation is currently carried out by batch precipitation and various chromatographic methods. The successful applicant must be competent to take a leading part in the selection and design of hygienic equipment for these processes, involving heat exchange, phase separation, control of the ionic content of solutions, and the transfer and mixing of fluids. Priority is being given to the study of optimal conditions for the precipitation of plasma proteins by ethanol and other precipitants. These optimal conditions will be maintained by automated modules operating on a continuous flow of plasma, and the Senior Biochemist must be familiar with the principals of automatic sensing and control, he must be able to take responsibility for the daily pursuit of the projects, making effective use of the small technical staff. There will be ample opportunity to develop interests in other aspects of protein chemistry and in the management of plasma fractionation.