

CENTRAL DRUG RESEARCH INSTITUTE
(Council of Scientific & Industrial Research)

Chattar Manzil Palace,
Lucknow-226 001

ADVERTISEMENT NO. 4/2009

Central Drug Research Institute, Lucknow is a premier R&D Institute under the aegis of the Council of Scientific and Industrial Research (CSIR) which is an autonomous body under Department of Scientific & Industrial Research, Government of India. The institute is engaged in the development of new drugs and diagnostics in various therapeutic areas like malaria, tuberculosis, filaria, leishmania, cancer, thrombosis, hypertension, dementia, diabetes, lipid disorders, gastric ulcer, osteoporosis, prostatic hyperplasia, etc. Supported by very competent team of chemists and biologists, the institute is carrying out pioneering works on cellular and molecular studies to understand these disease processes, systematic evaluation of the medicinal properties of natural products and synthetic molecules, development of technology for drugs, intermediates and biologicals. The institute also has a robust programme in developing human resource for future requirement of the pharmaceutical industry and R&D institutions. Applications on the prescribed forms are invited from the eligible persons of Indian Nationality for the following scientific and technical posts:-

1. Scientist Gr.IV(1): 06 Posts (SC:01, ST:02, OBC:02 & PWD :01) in Pay Scale /Pay Band of Rs.15600-39100 (PB-3) with Grade Pay Rs.5400/- [T.E. = Rs. 33724 pm]

Post Code 001: (01 post): Area: Information Technology Unit (Reserved for SC)

Essential Qualifications: Ist Class B.Tech. (Computer Sc.)/MCA.

Desirable: 1. In-depth knowledge of Java and related technologies and industry-standard RDBMS. 2. Work experience in Web and database application software development using Java technologies and development environment for web deployment.

Job Requirements: Database Application Software Design & Development: the incumbent would be required to develop, implement and maintain the software for business process automations like HR, Stores & Purchase, Accounts related activities and for scientific applications.

Post Code 002: (01 post): Area: Microbiology (Reserved for ST)

Essential Qualification: Ist Class M.Sc. in Microbiology/Life Sciences (any branch)/Biotechnology or Ph.D. in the aforesaid areas.

Desirable: Skill in molecular and cellular techniques, siRNA with hand on experience in primary cell/viral culture, cell line establishment/Expression kinetics of pathogen in tissue by Real time PCR/genome sequencing/antiviral screening/immunological techniques.

Job Requirement: The successful candidate will initially join in ongoing research programmes of microbiology in infectious disease of the Division/institute and will be encouraged to submit in three years a viable research programme and become an independent PI.



Post Code 003: (01 post): Area: Tissue & Cell Culture (Reserved for ST)

Essential Qualification: Ist Class M.Sc. in Biochemistry/Biotechnology/Life Sciences/Zoology or Ph.D. in the aforesaid areas.

Desirable: Experience in Maintenance, Propagation, Cryopreservation & Revival of Cell Lines and Development & Characterization of Animal Tissue & Cell.

Job Requirement: The selected candidate is expected to work on animal cell lines and their routine culture, maintenance, cryofreezing, revival etc. In addition the candidate should also be able to culture tissues of animals for primary culture purposes.

Post Code 004: (01 post): Area: Lab. Animals (Reserved for OBC)

Essential Qualification: Ist Class Post Graduate Degree in Veterinary Pathology/Microbiology/Virology/Medicine or Ph.D. in the aforesaid areas.

Desirable: Working experience in animal facility with knowledge of GLP and up-keep of laboratory animal species according to veterinary medical ethics and CPCSEA norms, scientific and technical achievements demonstrable by good publications.

Job Requirement: Laboratory animal management and veterinary medical services to experimental animal species, their health monitoring, quality control, disease diagnosis and preventive measures including pathological, hematological, viral, parasitic and microbiological monitoring, conducting laboratory techniques, anesthesia, euthanasia, biopsy, blood withdrawal, surgery and other related techniques on experimental animals

Post Code 005: (01 post): Area: S&T Management (PME) for Technical Information, Industrial Liaison & Planning (TIILP) Division (Reserved for OBC)

Essential Qualification: Ist Class M.Sc. or equivalent in Life Sciences or Chemical Sciences or M.Pharm or equivalent or Ph.D. in Life Science or Chemical Sciences.

Desirable: MBA/Post Graduate or equivalent in Management from reputed Institution. Candidate with excellent skills in Computer applications, handling of Project Management Softwares/Scientific writing and Communication will be given higher preference.

Job Requirement: Assisting in TIILP Division's S&T Management functions covering Project management/Reports generation/Scientific Writing/Organization of events, etc.

Post Code 006 : (01 post) : Area : Lab. Animals (Reserved for PWD (for Hearing Impaired Persons having 40% or more disability)

Essential Qualification : Ist Class M.V.Sc. in Veterinary/Pathology/ Microbiology/ Virology/Animal Nutrition.

Desirable : Working experience in animal facility with knowledge of GLP and up-keep laboratory animals as per CPCSEA norms.

Job Requirement : Management and veterinary care of experimental animals, formulation and preparation of laboratory animal feed, its evaluation, feeding trial and quality control studies.



2. Scientist Gr.IV(2): 14 Posts (Unreserved) in Pay Scale/Pay Band of Rs.15600-39100(PB-3) with Grade Pay Rs.6600/- [T.E. = Rs. 39901 pm]

Post Code 007: (01 post): Area: Pharmaceutics

Essential Qualifications: Ist Class M.Sc. or equivalent in Chemistry/Organic Chemistry/ Pharmaceutical Chemistry with 03 years research experience or Ph.D. with 01 years research experience in the aforesaid areas as evidenced by high quality publications in high impact factor journals.

Desirable: Ph.D. in Organic Chemistry/Gene Delivery Systems, having high impact publications in the area of targeted (cell/organ specific) liposomal drug/nucleic acid delivery and in the field of targeted anticancer agents with experience in "Animal Tissue Culture" as well as "In Vivo" research.

Job Requirement: To develop new research programs in the area of cell and organ specific delivery of drug/nucleic acid, targeted anticancer agents, siRNA therapeutics, participate in various regulatory studies undertaken by the Pharmaceutics Division.

Post Code 008: (01 post): Area: Medicinal and Process Chemistry

Essential Qualifications: Ist Class M.Sc. or equivalent in Chemistry/Organic Chemistry/ Medicinal Chemistry with 03 years research experience or Ph.D. with 01 year research experience in the aforesaid areas as evidenced by high quality publications in high impact factor journals.

Desirable Qualifications: Ph.D. in Organic Chemistry, worked in the area of peptides and peptidomimetics, solid and solution phase synthesis of peptides, antimicrobial peptides, sugar and nucleoside amino acids and related areas.

Job Requirement: To develop programs on peptide based drug discovery against various diseases, especially peptide based antimicrobial drugs.

Post Code 009: (01 post): Area: Medicinal and Process Chemistry

Essential Qualifications: Ist Class M.Sc. or equivalent qualifications in Chemistry/ Organic Chemistry/Medicinal Chemistry with 03 years research experience or Ph.D. with 01 year research experience in the aforesaid areas as evidenced by high quality publications in high impact factor journals.

Desirable: Ph.D. in Organic/Medicinal Chemistry, work experience in the area of multistep synthesis of organic natural products, development of new methodologies, design and synthesis of new molecular entities, drug discovery.

Job Requirement: To develop small molecule based drug discovery program against various diseases.

Post Code 010: (01 post): Area: Biometry & Statistics

Essential Qualification: Ist Class M.Sc. (Statistics/biometry/biostatistics) with 03 years experience or Ph.D. (Statistics/Biometry/Biostatistics) with 01 year experience.

Desirable: Experience of: Performing statistical analysis for biomedical data, Using STATISTICS/SYSTAT/SPLUS/SPSS package(s), Programming in Languages like FORTRAN/Visual Basic/MATLAB and Writing research papers.



Job Requirement: The candidate is expected to design the animal/clinical experiment, analyze, interpret and model data set, and prepare reports, to adopt and use modern statistical methods in day-to-day working of division; to plan and handle projects.

Post Code 011: (01 post): Area: Botany

Essential Qualification: Ist Class M.Sc. (Bioinformatics/Biotechnology) with 03 years of experience or M.Tech. (Bioinformatics/Biotechnology) or equivalent qualifications with 02 years experience Or Ph.D. in Bioinformatics or Biotechnology with 01 year experience.

Desirable: Experience in computational biology/chemistry, molecular modeling, sequence alignment techniques, homology modeling of functional enzymes, DNA isolation, purification & structural studies with working knowledge of design & development of databases (Oracle etc) including programming (NET, ASP etc.) environments would be an advantage as evidenced by publications in good journals.

Job Requirement: Candidate is expected to carry out genomics and proteomics studies (in-silico & wet lab) on terrestrial plants & marine organisms independently and to participate in ongoing institutional research programmes.

Post Code 012: (01 post): Area: Clinical & Experimental Medicine

Essential Qualification: M.D. Medicine or allied clinical subject or M.Pharm with 02 years experience in clinical research or Ph.D. in clinical research with 01 year experience.

Desirable: Experience in clinical, trials/Medical Writing/Pharmacovigilance and regulations related to new drug development.

Job Requirement: To assist in conduct of clinical trials of CDRI products especially Medical Writing including document preparation and data management, Electronic Data Capture and Digitization of CDRI Clinical data.

Post Code 013: (01 post): Area: Endocrinology

Essential Qualification: Ist class M.Sc. in Life Science with 03 years experience or Ph.D. in Life Science with 01 year postdoctoral research experience in the area of female contraception.

Desirable: Ph.D. in Life Science with minimum of one year post doctoral research experience in the area of female contraception. Preference will be given to those candidates who have specialized expertise in cell-based and target-based assays for contraception target discovery, in vitro fertilization, working with mammalian eggs and early embryos and immunocontraception. Applicants must have proven track record of publication in high impact journals.

Job Requirement: To develop extramurally funded research programmes in the area of contraceptive target discovery, immunocontraception and direct anti-implantation screening programme.

Post Code 014: (01 post): Area: Lab. Animals

Essential Qualification: Ist Class Post Graduate Degree in Animal Genetics and Breeding/Animal Biotechnology/Medical Sciences or equivalent with at least 02 years of working experience in small/laboratory animals or Ph.D. with 01 year of such experience in the aforesaid area.



Desirable: Working experience in animal facility of R&D institution, knowledge of GLP, CPCSEA veterinary medical ethics, laboratory animal techniques and animal welfare regulations, National and international trainings on laboratory animal medicine, ABSL3, microsurgery, telemetry and allied techniques, scientific and technical achievements demonstrable by good publications.

Job Requirement: Management and veterinary medical services to experimental animal species, scientific breeding practices with production and development of disease specific inbred, random bred, congenic, coisogenic, transgenic and modified animal models, conducting genetic/molecular characterization of laboratory animal species and strains and their quality control measures (rodents, rabbits, canines, ovine, caprine NHP etc.)

Post Code 015: (01 post): Area: Molecular & Structural Biology

Essential Qualification: Ist Class M.Sc. in Life Sciences/biochemistry/Genetics with at least 03 years research experience in the area of cell and molecular biology or M.Tech in Biotechnology with 02 years research experience or Ph.D. with 01 year research experience in the above area.

Desirable: Experience with a range of cell and molecular biology applications used to address research problems as evident from relevant publications.

Job Requirement: The ability to develop and lead an independent research programme using knowledge of genetics, cell and molecular biology to address relevant issues preferably addressing disease areas.

Post Code 016: (01 post): Area: Parasitology

Essential Qualification: Ist Class M.Sc. or equivalent in Life Sciences/Microbiology/Biotechnology/Biochemistry with 03 years experience or M. Tech in the above area with 02 years experience or Ph.D. with 01 year experience in the area of chemotherapy, immunology, molecular biology of parasitic infections of biomedical importance.

Desirable: Research experience in the area of experimental filarial infections as evidenced by research publications.

Job Requirement: The selected candidate will be expected to participate in the antifilarial drug discovery programme of the institute.

Post Code 017: (01 post): Area: Pharmacokinetics

Essential Qualification: Ist Class M.Sc. or equivalent in Biochemistry/Molecular Biology with 03 years experience or M.Pharma. or recognized equivalent qualification with 02 years experience or Ph.D. with 01 year experience.

Desirable: The candidates must have hands on experience in tools and techniques employed to undertake experiments relating drug metabolism & Pharmacokinetics/ biochemistry/ molecular biology e.g. animal handling, enzyme assays, cell based enzyme assays, protein separation, purification & quantification, western blotting, primer designing, real time PCR etc. This shall be evidenced by publications in peer reviewed journals.

Job Requirement: Investigation of drug metabolism & pharmacokinetics and/or investigation of biochemical aspects of drug metabolism by in-vitro and in-vivo techniques



including expression studies of genes responsible for drug metabolism particularly mediated through CYP450 and Non-CYP 450 metabolizing genes.

Post Code 018: (01 post): Area: Neuropharmacology Unit (Pharmacology)

Essential Qualification: Ist Class M.Sc. (Pharmacology)/M.B.B.S with 03 years experience in Neuropharmacology or MVSc/M.D (Pharmacology)/ M.Pharma (Pharmacology) with 02 years experience in the area of Neuropharmacology or Ph.D. (Pharmacology, Life Sciences) with 01 year experience in the area of Neuropharmacology.

Desirable: Applicant should have experience in Neuropharmacology and Molecular Biology.

Job Requirement: To carry out basic research in the area of neuropharmacology as well as screening of CNS compounds.

Post Code 019: (01 post): Area: CVS Unit (Pharmacology)

Essential Qualification: Ist Class M.Sc with 03 years experience or M.Pharma/M.Vet.Sc with 02 years experience or Ph.D. (in molecular biology, biotechnology, biochemistry, pharmacology or veterinary sciences) with 01 year experience.

Desirable: Experience should be in Cell culture, FACS analysis, Immunology, Immunohistochemistry, ELISA, RT-PCR, Cloning, Sub cloning, Gene expression, Protein expression and Protein Purification as evidenced by publications in peer reviewed journals.

Job Requirement: Molecular studies in cardiovascular pathologies.

Post Code 020: (01 post): Area: Pharmacology

Essential Qualification: Ist Class M.Sc. or equivalent Post Graduate degree in the discipline of Biotechnology/Life Sciences/MBBS with 03 years experience or MVSc/MD(Pharmacology)/M. Pharma with 02 years experience or Ph.D. (Pharmacology/Life Sciences/ Biotechnology) with 01 year experience.

Desirable: This is a group leader position and the candidate should have research experience in the molecular biology of cardiovascular disorders with knowledge of suitable therapeutic targets both in vitro and in vivo to undertake systematic bio-evaluation and studies on molecular mechanism of action of lead compounds.

Job Requirement: To actively participate in the bioevaluation of synthetic/natural molecules for stroke and hypertension using newer therapeutic targets. the candidate should also undertake basic molecular studies in above disease areas.

3. Scientist Gr.IV(3): 15 Posts (Unreserved) in Pay Scale/Pay Band of Rs.15600-39100 (PB-3) with Grade Pay Rs.7600/-[T.E. = Rs. 45794 pm]

Post Code 021: (01 post): Area: Medicinal and Process Chemistry

Essential Qualification: Ist class M.Sc. or equivalent qualifications in Chemistry/ Organic Chemistry/Physical Chemistry/Medicinal Chemistry with 07 years research experience or Ph.D. with 04 years research experience in the aforesaid areas as evidenced by high quality publications in high impact factor journals.

Desirable: Ph.D. in the aforesaid areas with 04 years postdoctoral research experience, having high impact publications in the areas of organic/peptide synthesis, protein NMR, structure-



guided drug design, SAR studies using QSAR, molecular modeling, virtual screening with their application in medicinal chemistry.

Job Requirement: To participate and develop projects on small molecules based drug discovery program against various diseases using structure and/or ligand based drug design approaches.

Post Code 022: (01 post): Area: Medicinal and Process Chemistry

Essential Qualifications: Ist Class M.Sc. or equivalent qualifications in Chemistry/ Organic Chemistry/Medicinal Chemistry with 07 years research experience or Ph.D. with 04 years research experience in the aforesaid areas as evidenced by high quality publications in high impact factor journals.

Desirable: Ph.D. in Organic Chemistry with 04 years postdoctoral research experience, having high impact publications in the areas of glycochemistry and glycobiology, glycomics and application of glycomic based tools in chemical biology/drug discovery.

Job Requirement: To develop research programs on glycobiology and glycomics, application in therapeutic and diagnostic purposes, glycan arrays in biological and medical applications.

Post Code 023: (01 post): Area: Sophisticated Analytical Instrument Facility

Essential Qualifications: Ist Class M.Sc. or equivalent qualifications in Chemistry/ Physical Chemistry/Organic Chemistry/Analytical Chemistry with 07 years research experience or Ph.D. with 04 years research experience in the aforesaid areas as evidenced by high quality publications in high impact factor journals.

Desirable: Ph.D. in Mass Spectrometry with 04 years postdoctoral research experience, worked preferably in the diverse areas of mass spectrometry, applications in drugs and pharmaceuticals, drug discovery, expertise in proteomics, expertise in operating and maintaining various mass spectrometry instruments.

Job Requirement: To develop new research programs in the area of mass spectrometry, to look after the maintenance and running of various spectrometry instruments in SAIF.

Post Code 024: (01 post): Area: Sophisticated Analytical Instrument Facility

Essential Qualifications: Ist Class M.Sc. or equivalent qualifications in Chemistry/ Physical Chemistry/Organic Chemistry/Analytical Chemistry with 07 years experience or Ph.D. with 04 years research experience in the aforesaid areas as evidenced by high quality publications in high impact factor journals.

Desirable: Ph.D. in NMR Spectroscopy with 04 years postdoctoral research experience, worked preferably in the diverse areas of NMR spectroscopy, conformational studies of peptides and proteins, molecular biology and protein recombinant techniques, proteomics, applications in drugs and pharmaceuticals, expertise in operating and maintaining various NMR instruments.

Job Requirement: To develop new research programs in the area of NMR spectroscopy and its use in biochemical analysis, biophysical characterization and structural biology in



understanding the structure to functional aspects of various proteins. The selected candidate is also needed to look after the maintenance and running of various NMR instruments in SAIF.

Post Code: 025: (01 post): Area: Biochemistry

Essential Qualifications: Ist Class M.Sc. or equivalent qualifications in Life Sciences with 07 years research experience or Ph.D. with 04 years research experience in the aforesaid areas as evidenced by high quality publications in high impact factor journals.

Desirable: Ph.D. in life sciences with 04 years postdoctoral research experience, having high impact publications in the area of carbohydrate and lipid metabolism at the organismic level with emphasis on diabetes and hyperlipidemic disorders.

Job Requirement: Successful candidates are expected to establish, and participate in, extramurally funded research programmes on drug development on diabetes or hyperlipidemic disorders.

Post Code 026: (01 post): Area: Biochemistry

Essential Qualification: Ist Class M.Sc. in Biochemistry/Biotechnology with 07 years of experience or Ph.D. in Biochemistry/Biotechnology with 04 years experience in Biochemistry/Molecular Biology of parasites/pathogenic bacteria, molecular characterization of proteins as evidenced by high quality research publication in international peer-reviewed journals

Desirable: Research experience in cloning and characterization of proteins from parasitic/pathogenic or other eukaryotic organisms, its mechanism of action, gene regulation and drug development.

Job Requirement: To undertake Biochemical/Molecular studies in gene regulation and identification of new chemotherapeutic targets of parasites or other eukaryotes.

Post Code 027: (01 post): Area: Clinical & Experimental Medicine

Essential Qualification: M.D. in Medicine or allied clinical subjects with 05 years experience in clinical research or Ph.D. in Clinical Research with 04 years experience.

Desirable: D.M. in Clinical Pharmacology.

Job Requirement: To Plan, conduct, coordinate and monitor clinical trials (Phase I, II, III and IV) of CDRI products. To carry out Pharmacovigilance of CDRI products, networking and dealing with Regulatory Authorities eg. DCG(I), State DCG/FDA authorities etc.

Post Code 028: (01 post): Area: Endocrinology

Essential Qualification: Ist Class M.Sc. in Biochemistry/Biotechnology/Life Science with 07 years of experience or Ph.D. in aforesaid areas with minimum of 04 years post doctoral experience in the area of cancer biology preferable in breast and/or prostate cancer.

Desirable: Ph.D. in Life Science with minimum of four years post doctoral experience in the area of cancer biology preferably in breast and/or prostate cancer. Preference will be given to those candidates who have specialized expertise in cell-based and target-based assays for cancer target discovery, epigenetic of cancer, understanding the mechanism of tumor progression, development of various animal models for the studies of tumor growth, metastasis and angiogenesis in cancer model. Applicants must have proven track record of



publication in high impact journals. Evidence of research independence would be considered as additional qualification.

Job Requirement: As a group leader, the successful candidate will develop extramurally funded and interdisciplinary research programmes in the area of cancer target discovery and mechanism of tumour progression.

Post Code 029: (01 post) Area: Drug Target Discovery & Development

Essential Qualification: Ist Class M.Sc. in Biochemistry/Biotechnology/Molecular Biology/Genetics/Zoology or equivalent subjects with 07 years research experience in the area of cancer biology or M.D./M.Vet.Sc. with 05 years research experience in the area of cancer biology or Ph.D. in any of the above subjects with 04 years research experience in the area of cancer biology.

Desirable: Ph.D. in Molecular Biology with specialization in epigenetics with 04 years postdoctoral research experience, having high impact publications in the area of cancer epigenetics, epigenetic therapy, clinical trials and drug screening.

Job Requirement: This is a Group Leader level position. The incumbent is expected to undertake research work in the area of cancer biology with an emphasis on target-based drug discovery for cancer.

Post Code 030: (01 post): Area: Molecular & Structural Biology

Essential Qualification: Ist Class M.Sc. in Physics/Biophysics/Chemistry with 07 years research/work experience in the field of small molecule crystallography as evident from published papers or Ph.D. (in Physics or Biophysics or Chemistry with thesis work in small molecule crystallography) with 04 years research experience in crystallography (single crystal structure analysis) as evident from published papers.

Desirable: Work experience with operating/maintenance of single crystal X-ray diffractometer system and use of different crystallographic computer program systems.

Job Requirement: Preparation of diffraction quality crystals from synthetic or semi-synthetic/natural product organic compounds (drug molecules) and peptides. X-Ray single crystal diffraction data collection followed by data processing, structure solution, refinement and analysis with computer graphics display of the molecules.

Post Code 031: (01 post): Area: Parasitology

Essential Qualification: Ist Class M.Sc. or equivalent in Life Sciences/Microbiology/Biotechnology/Biochemistry with 07 years experience or Ph.D. with 04 years experience in the area of chemotherapy, immunology, molecular biology of parasitic infections of biomedical importance.

Desirable: Research experience in the area of experimental Leishmania infections as evidenced by research publications.

Job Requirement: The selected candidate will be expected to undertake studies on development of newer therapeutic and prophylactic modalities as well as to participate in the antileishmanial drug discovery programme of the institute.

Post Code 032: (01 post): Area: Pharmaceutics



Essential Qualification: Ist class M.Sc. (Organic or Analytical Chemistry or Pharmaceutical Chemistry) with 07 years research experience in pharmaceutical analysis OR M. Pharma with 05 years experience in pharmaceutical analysis or Ph.D. with 04 years experience in pharmaceutical analysis. Evidence of high-quality research in the form of international peer-reviewed publications and/or patents.

Desirable: Practical experience of using modern analytical instruments with some experience in formulation development or drug delivery.

Job Requirement: To undertake initiative in method development pertaining to CDRI candidate drug as per GLP guidelines. The candidate is also required to actively participate in the preparation of reference standards and stability studies of CDRI candidate drugs.

Post Code 033: (01 post): Area: Pharmacokinetics

Essential Qualification: Ist Class M.Sc. Biochemistry/Molecular Biology or recognized equivalent qualification with 07 years experience or first class M. Pharma with 05 years experience in pharmaceutical analysis or Ph.D. with 04 years experience.

Desirable: The candidates must have hands on experience in tools and techniques employed to undertake experiments relating drug metabolism & pharmacokinetics/ biochemistry/ molecular biology e.g. animal handling, enzyme assays, cell based enzyme assay, protein separation, purification & quantification, western blotting, primer designing, real time PCR etc. This shall be evidenced by publications in peer reviewed journals.

Job Requirement : Investigation of drug metabolism & pharmacokinetics and/or investigation of biochemical aspects of drug metabolism by in-vitro and in-vivo techniques including expression studies of genes responsible for drug metabolism particularly mediated through CYP450 and Non-CYP 450 metabolizing genes.

Post Code 034: (01 post): Area: Pharmacology

Essential Qualification: Ist Class M.Sc. in the discipline of life Sciences/Biotechnology or or MBBS with 07 years of research experience or MVSc or MD (Pharmacology)/M. Pharma with 05 years experience or Ph.D. (Pharmacology/ Biotechnology/Life Sciences) with four years experience.

Desirable: The candidate should have experience in Molecular biology techniques besides experience of the use of transgenic animals. The candidate should have knowledge of molecular targets in cerebral ischemia for developing novel therapeutics and also analyzing the signaling pathways associated with these molecules, besides basic understanding of pathophysiology of cerebral ischemia.

Job Requirement: This is a senior group leader position and the candidate is expected to undertake studies in the area of Neurovascular disorders

Post Code 035: (01 post): Area: Microbiology

Essential Qualification: Ist class M.Sc. in Biotechnology/ Biochemistry/Microbiology/ or in any subject of biomedical sciences with 07 years experience or Ph.D. degree in the aforesaid areas with 04 years experience in the area of bacterial pathogens preferably *Mycobacterium tuberculosis* as evident by publications in high impact journals.

Desirable: Experienced molecular biologists to study regulation of virulence genes, latency and reactivation during *M.tb* infection, protein - protein interaction to identify host and



pathogen targets for drug and vaccine development, signal transduction, modulation of host immune response, target validation, knockout mutation, development of target based screens and assay development for incorporation in drug discovery programme.

Job Requirement: The successful candidate will be required to develop a research programme which will focus on *M. tb* in the area of host and pathogen drug targets, validation, molecular therapeutics and host immune response.

4. Technical Gr. III(6): 01 Post (Unreserved) in Pay Scale/Pay Band of Rs.15600-39100 (PB-3) with Grade Pay Rs.7600/- [T.E. = Rs. 36848 pm]

Post Code 036 : 01 post) Area : Toxicology

Essential Qualification : Ist Class B.Sc. (Sci.) or equivalent with Fourteen years experience or M.B.B.S., M.V.Sc. (Pathology) or M.Sc. (Life Sciences) with minimum of 55% marks with Twelve years experience.

Desirable : Diploma in Pathology (eg. DNB; DCP) with experience in histopathology 3 years or more.

Job Requirement : Histopathological techniques and diagnosis.

5. Technical Gr. III(4): 01 Post (Unreserved) in Pay Scale /Pay Band of Rs.15600-39100 (PB-3) with Grade Pay Rs.5400/- [T.E. = Rs. 33724 pm]

Post Code 037: (01 post) : Area : Lab Animals

Essential Qualification : Ist Class B.Sc. (Sci.) or equivalent with Eight years experience OR M.Sc. or equivalent with minimum of 55% marks with six years experience.

Desirable : Knowledge of GLP and up-keep of laboratory animal species according to CPCSEA norms and animal ethics including housing, management and nutrition of laboratory animals, having training in relevant areas including care and management of laboratory animals, nutritional and feed monitoring and allied services.

Job Requirements : Laboratory animal management, formulation, processing and production of laboratory animal feed, feeding trial studies, animal health, microbiology and feed monitoring and quality control measures.

6. Technical Gr. III(1): 12 Posts (SC- 2, ST- 02, OBC- 2 & UR- 06) in Pay Scale/Pay Band of Rs. 9300-34800 (PB-2) with Grade Pay Rs. 4200/- [T.E. = Rs. 21122/-]

Post Code 038: (02 posts) for Toxicology (Reserved for SC-1 & ST-1)

Essential Qualification : Ist Class B.Sc. with Zoology, Botany and Chemistry.

Desirable Qualification : M.Sc.in Biotechnology or Zoology.

Job Requirement : Performing reproductive toxicology experiments.

Post Code 039 : (02 posts) for Endocrinology (Reserved for ST-1 & UR-1)

Essential Qualification : Ist Class B.Sc. in any areas of Life Science.

Desirable : Good knowledge in laboratory techniques and laboratory animal handling.

Job Requirement : To carry out routine cell culture, biochemical assays and animal experimentation for CDRI compounds.



Post Code 040: (01 post) for Academic Affairs Unit (Reserved for OBC)

Essential Qualification : Ist Class B.Sc. in any science .

Desirable : Diploma in Computer Applications from a recognized University or equivalent.

Job Requirement : To provide assistance in the Academic Affairs Unit. The Unit work included managing the CDRI-JNU Ph.D. Programme, up keeping of records thereof and handling the issues of Ph.D. Scholars vis-a-vis compulsory pre-Ph.D. courses, thesis, viva etc.

Post Code 041: (01 post) for Biochemistry (Reserved for OBC)

Essential Qualification : Ist Class B.Sc. (Sci.) or equivalent.

Desirable : Basic knowledge of computers/MS office

Job requirement : Maintenance of large number of cell lines (parasite and mammalian macrophages), bacterial culture work, handling of animal work and preparation of buffers etc.

Post Code 042: (02 posts) for Pharmaceutics (Reserved for SC-1 & UR-1)

Essential Qualification : Ist Class B.Sc. in Organic or Analytical Chemistry or B.Pharm.

Desirable : One year research experience in pharmaceutical analysis using modern analytical instruments.

Job requirement : To assist the senior scientists of the division in the method development pertaining to CDRI candidate drugs as per GLP guidelines. the candidate is also required to actively participate in the preparation of reference standards and stability of CDRI candidate drugs.

Post Code 043: (01 post) for Electric Section (Unreserved)

Essential Qualification : Ist Class Diploma in Electrical/Electrical & Electronics Engineering of 3 years full time duration or its equivalent.

Desirable : First Class degree in Electrical/Electrical & Electronics Engineering of 4 years full time duration after class 12th exam of its equivalent. Practical experience of three years in Estimation, Designing, Drawing, execution and billing of electrical works for Building projects and maintenance work in a Government of commercial organization of repute.

Job Requirement : Experience of working in computerized environment and on automated PLC based substations.

Post Code 044: (01 post) for Business Development : (Unreserved)

Essential Qualification : Ist Class BCA (Bachelor in Computer Application)

Desirable : Experience in database management like MS-Access, SQL server 2000, Oracle, knowledge of HTML and Java script and Visual Basic.

Job Requirement : Experience in Windows and Web application and knowledge of Intellectual Property Rights.

Post Code 045 : (01 post) for Lab Animals (Unreserved)

Essential Qualification : Ist Class B.Sc. (Zoology, Botany, Chemistry) or equivalent.



Desirable : Experience and training on working with laboratory animal species, their care and management including nutritional and feed monitoring, knowledge of CPCSEA norms, animal ethics and GLP guidelines.

Job Requirement : Management and breeding of Laboratory animals, conducting routine animal techniques during housing, management, disease investigation and experimentation, formulation, processing and production of animal feed, health and microbiology monitoring, equality control and feeding trials studies, Assisting scientific staff in execution of laboratory animal management practices.

Post Code 046 : (01 Post) for Information Technology Unit (Unreserved)

Essential Qualification : Ist Class B.Sc. (Computer Science OR IT)/BCA/3 years fulltime Diploma in Computer Science OR IT.

Desirable : (1) In-depth knowledge of Java and related technologies and industry-standard RDBMS. (2) Work experience in Web and database application software development using Java technologies and development for web deployment.

Job Requirement : Database Application Software Design & Development : the incumbent should be required to develop, implement and maintain the software for business process automations like HR, Stores & Purchase, Accounts related activities and for scientific applications.

General Conditions:

The date for determining the age limit/experience/qualifications shall be closing date prescribed for receipt of applications.

Candidates applying for the above posts should submit their applications on the prescribed forms available on page 15 onwards OR obtainable from Website:<http://www.cdriindia.org/Applicationform.pdf> `OR' The Section Officer (Recruitment), Central Drug Research Institute, Chattar Manzil Palace, Post Box No.173, Lucknow-226001 (U.P.) by sending a requisition along with a self-addressed stamped (Rs.10/-) envelope of size 23x10cm by **28.08.2009** thereafter no application forms will be sent by post. The above posts are regular and carry usual allowances as admissible to Govt. employees posted in Lucknow.

Applications must be accompanied with an application fee of Rs.100/- (Rupees One Hundred only) and US \$ 25 in case of candidates applying from abroad in the form of Banker Cheque/Demand Draft drawn in favour of the Director, Central Drug Research Institute, payable at Lucknow. SC/ST & Persons with Disability are exempted from application fee.

All the selected candidates will be governed by the "New Pension Scheme" on defined Contribution for new entrants recruited in Central Government Services on or after 01.01.2004, as adopted by CSIR for its employees. However, person working in other Government Department/Autonomous Bodies/Public Sector Undertakings/Central



Universities having Pension Scheme on GOI pattern prior to 01.01.2004 will continue to be governed by the existing Pension Scheme i.e. CCS(Pension)Rules, 1972.

Applications duly completed and supported by the attested copies of certificates and testimonials should reach the Central Drug Research Institute, Chattar Manzil Palace, Post Box No.173, Lucknow-226 001(UP) on or before **18.09.2009** positively.

Applications for each post should be submitted separately.

Age limit : 28 years for Technical Gr. III(1), 35 years for Technical Gr. III(4) & Scientists Gr.IV(1), Gr.IV(2) and 40 years for Technical Gr. III(6) & Scientist Gr. IV (3). Age relaxation for SC/ST/OBC & Persons with Disability/Ex-Servicemen candidates as per Govt. of India orders will apply.

Incomplete applications and those received after due date and also such of the applications which are not supported with attested copies of certificates, mark sheets, caste certificates on the prescribed form issued by the specified prescribed authority, without application fee and unsigned applications are liable to be rejected.

Application from candidates working in Government Department, Public Sector Undertaking and Autonomous Body must be through Proper Channel. However, advance copy of application will be entertained subject to production of "No Objection Certificate" from the candidate at the time of Interview.

Mere fulfilling the minimum prescribed qualifications and experience will not vest a right to the candidates for being called for interview. This Institute reserves the right to short-list the candidates for calling for interview on the basis of Screening of applications.

Canvassing in any form and/or bringing in any influence political or otherwise, will be treated as a disqualification for the post(s).

Other things being equal consideration would be given to candidates with proven excellence in sports.

Relaxation in Age-limit can be considered in the case of exceptionally meritorious candidates.

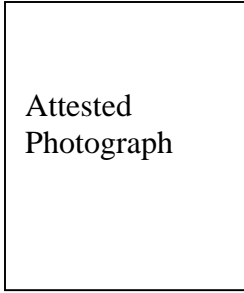
Candidate are required to mention the post code No. on envelope and application form.

"INTERIM QUERIES WILL NOT BE ENTERTAINED"



CENTRAL DRUG RESEARCH INSTITUTE
(Council of Scientific & Industrial Research)
FORM OF APPLICATION FOR THE USE OF CANDIDATES FOR APPOINTMENT
BY SELECTION IN CENTRAL DRUG RESEARCH INSTITUTE

To be filled in candidate's own handwriting and forwarded to the Director, CENTRAL DRUG RESEARCH INSTITUTE, Chattar Manzil Palace, Lucknow - 226 001 so as to reach him not later than
..... (information should be actual and not descriptive).



For use in the office

No. Advt.
Post applied for
.....

Bank Name:
Amount
.....
DD No
Date.....

D.D. for Rs.....
.....
.....Received
Date.....
Section Officer

1. Have you registered yourself with the 'National Register' compiled by C.S.I.R.? Answer 'Yes' or 'No'

2. Name in Full (In Block Letters)
(In case of female candidates the appropriate word 'Miss' or 'Mrs' should be given).

3. Address Permanent

For Correspondence

4. Post and subject or division for which you are a candidate.

- (i) Post
- (ii) Division or subject with post No.

5. Date and place of birth

- (i) Date
- (ii) Place

6. Are you

- (a) a citizen of India by birth and/or by domicile?
- (b) a person having migrated from Pakistan with the intention of permanently setting in India? or a subject of Nepal or Sikkim?

Answer 'Yes' or 'No' and cancel the words which are not applicable

7. Name of state to which you belong

...2...

8. Father's Name
Address
Occupation
If dead, state his last address and occupation before death.
-

8. Is (or was) your father
(a) a citizen of India by birth and/or by domicile?
(b) a person having migrated from Pakistan with the intention of permanently setting in India? or a subject of Nepal or Sikkim?
Answer 'Yes' or 'No' and cancel the words which are not applicable
-

9. State your (a) Religion
(b) Are you a member of a Scheduled Caste or Scheduled Tribe or O.B.C. Community (Answer 'Yes' or 'No' and if the answer is 'Yes' give particulars and attach a Certificate from the District Magistrate or designated authority in support of your claim.
(c) Are you an Anglo-Indian?
-

11. Have you got any relation in CSIR or its any National Lab/Institute? If so, please indicate his/her Name Designation
Place where He/She is working
-

Note:1 Any change of address given in Col 3 above should at once be communicated to

the Director, Central Drug Research Institute. Candidates must arrange for the redirection of communication to their address if necessary. The Institute will make every effort to take account of changes in candidates address but cannot accept any responsibility in this matter.

2. Since it is not possible to call all the eligible candidates for interview/personal discussion the applicants are to be short-listed for the purpose and the decision of the Council/Laboratory/Institute will be final in this regard.
-

12. Particulars reading your University or higher education.

Name of University	College, If any	Date of entry	Date of leaving

13. Particulars of all examinations passed and degree and technical qualifications obtained

at the University or other places of Higher technical education or instruction
(commencing with the Matriculation or equivalent examination)

..3..

Examination or Degree	Class or Div.	Subjects taken	% of marks obtained	Year

14. Have you been outside India? If so Give following particulars.

Country visited	Date of visit	Duration of visit	Purpose of visit

15. Details of postgraduate work and published papers. Give titles of papers here and attach reprints (If the space below is insufficient give full particulars on a sheet of paper and attach it to this application inserting here a reference to the sheet attached. Any additional qualification may be mentioned here or on separate sheets.

16. Have you represented the University/State/National/International competition in/Sports/Games? if 'Yes' give details thereof.

-
17. What languages (including Indian languages) can you read, write or speak. Give particulars and state examination passed in each.

Read only	Speak only	Read & Speak	Read, Write & Speak	Examination Passed

18. How have you been employed? Give particulars below-

Name of employer Department	Date of joining	Date of leaving	Post held & nature of employment	Present pay, Grade and date of next increment

19. Are you a Government Servant at present? (Answer 'Yes' or 'No') If so, state whether your appointment is temporary or permanent.

20. Are you willing to accept the minimum initial pay offered?
If not, state what is the lowest initial pay that you would accept in the prescribed scale.

21. If selected what notice would you require before joining.

22. Particulars of the posts under the C.D.R.I. for which you were an applicant.

- (a) Name of the posts and laboratory:
 - (b) C.D.R.I. advertisement
 - (c) Result
-

23. References (In Block letters)

They should be residents in India and holders of responsible positions. They should be intimately acquainted with applicant's Character and work but must not be relations. When the candidate has been in employment he should either give his present or most recent employer or immediate superior as a referee or produce a testimonial from him in regard to the candidate's fitness for the post for which he is an applicant.

- 1. Name
- Occupation or position
- Place
- Address
-
- 2. Name
- Occupation or position
- Place
- Address

(5)

3. Name
Occupation or position
Place
Address
.....

-
24. Copies of testimonials from
1.
2.
3.

Attested copies of not more than three testimonials should be submitted. Original testimonials should not be submitted unless asked for.

-
- 25 Any additional qualifications such as membership of Scientific Societies may be mentioned here.
26. List of enclosures: (Number, date and amount of the Demand Draft (enclosed)).
1.
2.
3.

Dated
Candidate's Signature

27. Candidate already employed should get the following endorsement signed by his/her present employer.

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT OR OFFICE

No.

Date

Full Signature

Designation and Seal.....

Central Drug Research Institute Lucknow
(Council of Scientific & Industrial Research)

Name: _____

Post applied for: _____

Date of Birth: _____

Advertisement No: _____

Full address for
Correspondence: _____

Area of Specialization: _____

Pay acceptable: _____

Whether SC/ST/OBC/General _____

(If selected)

Space for office use only
Recommendations of the Screening Committee: YES/NO

Qualifications starting from matriculation or equivalent onwards					Experience				Developments projects/schemes compiled (Give title of project/scheme & a very brief description of your actual duties)	Special merits/awards and other similar information	No. of Publications
Certificate/ Degree	Divi- sion	% of Marks	Year	Board/ University	Period		Designa- tion	Salary/ Grade			
					From	To					
											Published: In Press: Communicated: Presented: Abstract: Patent: Books:

Note: Write very precisely. Brief and clear statements would be appreciated.
Essential: Incomplete or inadequate information supplied in this form may disqualify.

Signature of the candidate