

 <p>CSIR-IMTECH</p>	<p align="center">CSIR-INSTITUTE OF MICROBIAL TECHNOLOGY SECTOR 39-A, CHANDIGARH – 160036 (India) Website: www.imtech.res.in</p> <p align="right">Advertisement No. 01/2017 Submission of online application will commence on 19.4.2017 Last date of receipt of online applications: 19.05.2017 (1700 hours)</p>
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A Unique opportunity for Research Careers in Science & Technology in CSIR- IMTECH.

The Council of Scientific and Industrial Research (CSIR) is an Autonomous Organization under the Ministry of Science & Technology, Government of India. CSIR covers the entire spectrum of Scientific and Industrial Research of National and International importance.

The CSIR-Institute of Microbial Technology (IMTECH) is a constituent R&D establishment of the Council of Scientific and Industrial Research (CSIR) devoted to research in the frontline areas of Biology and Biotechnology of Microorganism with the state of art facility. CSIR is one of the world's largest publicly funded industrial R&D organizations with about 4600 active scientists. CSIR-IMTECH is its youngest institute with state-of-the art research facilities in microbial biology and biotechnology. CSIR-IMTECH thrives on multidisciplinary research with core strengths in the areas of biochemical engineering, protein sciences, bioinformatics and Infection & Immunity research. CSIR-IMTECH has track record of discovering novel bio-therapeutics. The Institute is also having a world class Microbial Type Culture Centre and Gene Bank (MTCC) – an International Depository Authority (IDA). The Institute provided with a truly world class R&D ambience in an area of over 10,000 sq.ft with a dedicated team of more than 55 highly motivated scientists with a majority of them having several years of training in World Renowned Laboratories. The scientific staff is supported with more than 300 well trained Technical staff, Research Scholars.

Online applications for various **Scientific positions** are invited from enthusiastic, young Indian researchers having excellent academic record and proven scientific achievements along with requisite experience and a high degree of motivation and desire to take up research as a career in the Institute. CSIR-IMTECH is looking for bright and talented persons for filling up the following positions for ongoing as well as future activities of the Institute:-

Post Code/ Nos. of Positions (Categories: UR/SC/ST/OBC/PH)	Pay Matrix	Designation & Pay Level/ Age limit not exceeding	Essential Educational qualification & Experience	Desirable Experience	Job Specification
Post Code-01 (Pre-clinical Sciences -1) 01 Post (UR)	Rs.118500- 214100	Principal Scientist Pay Level-13 Age Limit: 45 Years	Pre-clinical Sciences: Ph.D. (Biological Sciences/ Pharmaceutical Sciences/Life Sciences) with 3 years or MD (Pharmacology) with 5 years relevant experience.	<ul style="list-style-type: none"> • Have more than 8 years of industry relevant experience • Experience with toxicology, pharmacokinetics, animal studies is needed • Proven track-record to progress small molecules from discovery to early development • Knowledge of pre-clinical assays and early ADMET etc. • International experience (working with multinationals) • Excellent team and communication skills • Good organizational skills and ability to work independently 	<p>Key Objectives and Responsibilities:</p> <p>The successful candidate is expected to take early leads into preclinical drug development. The candidate is required to have proven track record in small molecule drug development specifically in designing and implementing animal studies, pharmacokinetic models and preferably have experience in IND- enabling toxicology studies.</p> <p>Principal Scientist: The candidate will head the Preclinical Sciences Unit.</p>

Post Code-02 (Medicinal Chemistry) 01 Post (UR)	Rs.118500-214100	Principal Scientist Pay Level-13 Age Limit: 45 Years	Medicinal Chemistry : Ph.D (Chemistry) with 3 years relevant experience.	<ul style="list-style-type: none"> • 6-7 years of industry experience • Have experience in structure-based drug design and fragment-screening • Experience of state of the art med-chem informatics tools • Proven track-record to deliver early leads to pre-clinical or clinical phases. • In-depth understanding of the disease biology preferably infectious and metabolic diseases • Excellent team and communication skills • Good organizational skills and ability to work independently 	Key Objectives and Responsibilities: The successful candidate is expected to have experience in early ADMET, executed MedChem for Industry, has progressed molecules from discovery to pre-clinical or IND. The candidate must have experience of Cheminformatics, Pharmacokinetics (PK/PD) models and GMP scale approaches. Principal Scientist: The candidate will Head the Medicinal Chemistry Unit
Post Code-03 (Virology) 01 Post (UR)	Rs.118500-214100	Principal Scientist Pay Level-13 Age Limit: 45 Years	Virology : Ph.D (Biological Science) with strong emphasis on Virology or viral diseases with 3 years relevant experience.	<ul style="list-style-type: none"> • Hands on experience with viral assays and viral animal models, especially in dengue/viral hepatitis. • Industry experience preferably in small molecule antiviral drug discovery • Excellent team and communication skills • Good organizational skills and ability to work independently 	Key Objectives and Responsibilities: The successful candidates are expected to conduct world-class research in an area of virology and viral diseases as part of the Virology Unit. We are particularly interested to seek candidates with experience in Dengue, Influenza and viral Hepatitis. Candidates with outstanding track record and experience in developing viral assays and different viral animal models is a must. The research profile includes evaluation and validation of new molecular

					<p>targets; understanding mechanism of action of potential anti-viral compounds and developing state of art molecular virology tools.</p> <p>Principal Scientist: The candidate will Head the Virology Discovery Unit</p>
<p>Post Code-04 (Biotherapeutics / Biological Research) 01 Post (UR)</p>	Rs.131100-216600	<p>Sr. Principal Scientist Pay Level-13A</p> <p>Age Limit: 50 Years</p>	<p>Biotherapeutics / Biological Research :</p> <p>Ph.D (Biological Sciences) with 6 years relevant experience.</p>	<ul style="list-style-type: none"> • Experience in production of human antibodies, antibody engineering, development of monoclonal antibodies • Hands-on experience in antibody production and validation techniques • Proven track record to progress antibodies in clinical space • Industry experience • Knowledge of protein expression and purification using CHO/Hek293 cells specifically for biologics. • Previous research experience with infectious or metabolic diseases • Excellent team and communication skills • Good organizational skills and ability to work independently 	<p>Key Objectives and Responsibilities:</p> <p>The successful candidates are expected to conduct world-class research in area of biologics and biopharmaceuticals. Candidates with outstanding track record and experience in discovery and development of human monoclonals especially for Tx applications either in infectious diseases or other therapeutic areas. The research profile includes experience in bioanalytical, biochemical and biophysical characterization of monoclonal antibodies. The candidate will participate on project team to discover, optimize and manufacture antibody-based biologics.</p> <p>Senior Principal Scientist: The candidate will head the Biotherapeutics Platform and Discovery Unit</p>

Post Code-05 (Biotherapeutics / Biological Research) 01 Post (UR)	Rs.118500- 214100	Principal Scientist Pay Level-13 Age Limit: 45 Years	Biotherapeutics / Biological Research : Ph.D (Biological Sciences) with 3 years relevant experience.	<ul style="list-style-type: none"> • Experience in production of human antibodies, antibody engineering, development of monoclonal antibodies • Hands-on experience in antibody production and validation techniques • Proven track record to progress antibodies in clinical space • Industry experience • Knowledge of protein expression and purification using CHO/Hek293 cells specifically for biologics. • Previous research experience with infectious or metabolic diseases • Excellent team and communication skills • Good organizational skills and ability to work independently 	Key Objectives and Responsibilities: The successful candidates are expected to conduct world-class research in area of biologics and biopharmaceuticals. Candidates with outstanding track record and experience in discovery and development of human monoclonals especially for Tx applications either in infectious diseases or other therapeutic areas. The research profile includes experience in bioanalytical, biochemical and biophysical characterization of monoclonal antibodies. The candidate will participate on project team to discover, optimize and manufacture antibody-based biologics.
Post Code-06 (Translational medicine) 01 Post (UR)	Rs.131100- 216600	Sr. Principal Scientist Pay Level 13 A Age Limit: 50 Years	Translational medicine : MD/MBBS+Ph.D with 06 year experience .	<ul style="list-style-type: none"> • Industrial/academic experience in liver and lung diseases. • People with research experience in specific infection or immunity or people with prior experience in setting up liver biology or liver infection models. • Excellent team and communication skills • Good organizational 	Key Objectives and Responsibilities: To understand complex, integrated bodily systems to bridge in vitro approaches with in vivo applications, preclinical models of human disease and translate these findings into human health. With a bidirectional focus on human disease, advanced physiologic, biologic, metabolic and imaging tools, as well as therapeutics, are

				skills and ability to work independently	developed and applied to transform clinical approaches to infectious and other diseases. Senior Principal Scientist: The candidate will head the Translational Medicine Unit
Post Code-07 (Biotherapeutics / Biological Research) (PWD-1)	Rs.67700-208700	Scientist Pay Level 11 Age limit: 32 years	Biotherapeutics / Biological Research : Ph.D (Biological Sciences) degree/submitted.	<ul style="list-style-type: none"> • Experience in production of human antibodies, antibody engineering, development of monoclonal antibodies • Hands-on experience in antibody production and validation techniques • Proven track record to progress antibodies in clinical space • Industry experience • Knowledge of protein expression and purification using CHO/Hek293 cells specifically for biologics. • Previous research experience with infectious or metabolic diseases • Excellent team and communication skills <p>Good organizational skills and ability to work independently</p>	Key Objectives and Responsibilities: The successful candidates are expected to conduct world-class research in area of biologics and biopharmaceuticals. Candidates with outstanding track record and experience in discovery and development of human monoclonals especially for Tx applications either in infectious diseases or other therapeutic areas. The research profile includes experience in bioanalytical, biochemical and biophysical characterization of monoclonal antibodies. The candidate will participate on project team to discover, optimize and manufacture antibody-based biologics.

Post Code-08 (MTCC) (ST-1)	Rs.67700-208700	Scientist Pay Level 11 Age limit: 32 years	Microbial Type Culture Collection & Gene Bank-MTCC: Ph.D degree/submitted in any of the following disciplines: <ul style="list-style-type: none"> • Taxonomy of Fungi/ Bacteria/ Archaea/Algae • Microbial Diversity/Ecology/ Evolution • Metagenomics, Synthetic biology/Metabolic Engg. 	Specialization in microbiology or mycology or microbial ecology and with minimum 2/4 years research experience in taxonomy of lower fungi or basidiomycetous fungi or yeasts or bacteria or archaea or anaerobic bacteria or extremophilic bacteria or cyanobacteria or microbial diversity or microbial ecology or microbial evolution. Experience in isolation, culturing and characterization of different groups of microorganisms and their long term preservation methods. Working experience in modern techniques related to microbial taxonomy, diversity and evolution related research. Research experience must be substantiated by publications in reputed journals.	Key Objectives and Responsibilities: The incumbent/s will join a team of scientists in MTCC in providing high quality services to the scientific community in the areas of characterization, preservation and supply of microbial cultures. In addition, the selected candidate has to pursue top quality research in microbial taxonomy, diversity, ecology and evolution and is expected to establish himself/herself within a reasonable time as an expert in one or more of the above areas.
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Post Code-09 (Pre-Clinical Sciences) (1 Post - UR)	Rs.78800-209200	Senior Scientist Pay Level 12 Age limit: 37 years	Pre-Clinical Sciences: Ph.D. (Biological Sciences/ Pharmaceutical Sciences/Life Sciences)with 2 years or MD (Pharmacology) with 3 years relevant experience.	<ul style="list-style-type: none"> • Have 4-5 years of industry experience • Experience with Toxicology, pharmacokinetics, animal studies is needed • Proven track-record to progress small molecules from discovery to development • Knowledge of pre-clinical assays and early ADMET • In-depth understanding of the disease biology with emphasis on infectious, and metabolic diseases • Excellent team and communication skills • Good organizational skills and ability to work independently 	Key Objectives and Responsibilities: The successful candidate is expected to take early leads into preclinical drug development. The candidate is required to have proven track record in small molecule drug development specifically in designing and implementing animal studies, pharmacokinetic models and preferably have experience in IND- enabling toxicology studies.
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Post Code-10 (Medicinal Chemistry) (1 Post - UR)	Rs.78800-209200	Senior Scientist Pay Level 12 Age limit: 37 years	Medicinal Chemistry : Ph.D (Chemistry) with 2 years relevant experience.	<ul style="list-style-type: none"> • 3-4 years of industry experience post Ph.D. • Have experience in structure-based drug design and fragment-screening, eADMET assays • Proven track-record to deliver early leads to pre-clinical • In-depth understanding of the disease biology preferably infectious and metabolic diseases • Excellent team and communication skills • Good organizational skills and ability to work independently 	Key Objectives and Responsibilities: The successful candidate is expected to have experience in early ADMET, executed MedChem for Industry, has progressed molecules from discovery to pre-clinical or IND. The candidate must have experience of Cheminformatics, Pharmacokinetics (PK/PD) models and GMP scale approaches.
Post Code-11 (Virology) (1 Post - OBC)	Rs.78800-209200	Senior Scientist Pay Level 12 Age limit: 37 years	Virology : Ph.D (Biological Science) with strong emphasis on Virology or viral diseases and 2 years relevant experience.	<ul style="list-style-type: none"> • Hands on experience with viral assays and viral animal models • Industry experience preferably in small molecule drug discovery • Excellent team and communication skills • Good organizational skills and ability to work independently 	Key Objectives and Responsibilities: The successful candidates are expected to conduct world-class research in an area of virology and viral diseases as part of the Virology Unit. We are particularly interested to seek candidates with experience in Dengue, Influenza and viral Hepatitis. Candidates with outstanding track record and experience in developing viral assays and different viral animal models is a must. The research profile includes evaluation and validation of new molecular targets; understanding mechanism of action of potential anti-viral compounds and developing state of art

					molecular virology tools.
Post Code-12 (Biochemical Engg and Process Development) (1 Post - UR)	Rs.78800-209200	Senior Scientist Pay Level 12 Age limit: 37 years	Biochemical Engg and Process Development Ph.D (Biochemical Engineering) with 2 years or M.Tech (Biochemical Engineering) with 3 years relevant experience.	<ul style="list-style-type: none"> • 4-5 years of Industrial experience in fermentation technology, synthesis of human proteins, antibodies and protein engineering. • Excellent team and communication skills • Good organizational skills and ability to work independently 	Key Objectives and Responsibilities: The successful candidates are expected to conduct world-class research in an area fermentation technology and biochemical process engineering. Candidates with outstanding track record and industry experience in fermentation and microbial technology and human protein engineering are encouraged to apply. Configure bioreactor vessels and associated equipment, maintenance of fermenters. To work closely with business development and understand commercial customer needs.
Post Code-13 (Biochemical Engg and Process Development) (1 Post - OBC)	Rs.67700-208700	Scientist Pay Level 11 Age limit: 32 years	Biochemical Engg and Process Development : Ph.D degree/submitted (Biochemical Engineering) or M.Tech. in Biochemical Engineering	<ul style="list-style-type: none"> • 4-5 years of Industrial experience in fermentation technology, synthesis of human proteins, antibodies and protein engineering. • Excellent team and communication skills • Good organizational skills and ability to work independently 	Key Objectives and Responsibilities: The successful candidates are expected to conduct world-class research in an area fermentation technology and biochemical process engineering. Candidates with outstanding track record and industry experience in fermentation and microbial technology and human protein engineering are encouraged to apply. Configure bioreactor

					vessels and associated equipment, maintenance of fermenters. To work closely with business development and understand commercial customer needs.
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A. IMPORTANT:

- i. Candidates are required to submit **online brief (2-3 pages of A-4 size paper) write-up on their vision and ideas**, as relevant to the level/post they are applying for.
- ii. Candidates are required to **upload testimonials online from 3 researchers who are familiar with their research work and capabilities.**
- iii. Age and experience will be reckoned as on the last date fixed for receipt of online application form (i.e. **19.05.2017**). The period of R&D experience in a discipline or area of work shall be counted from the date of acquiring the minimum prescribed educational qualification for the post.
- iv. **Candidates of Indian Origin settled abroad** of proven merit, as evidenced by their research work/publications, if found suitable for the post applied, may be considered by the Screening/Selection Committee, *in absentia*, on specific request of the candidate.

B. Benefits & Prospects under IMTECH(CSIR):

- i. The posts carry usual allowances i.e., DA, HRA, and Transport Allowance etc. as admissible to Central Govt. Employees posted in Chandigarh. In addition to the emoluments, benefits such as Defined Contribution Pension Scheme, Leave Travel Concession, Reimbursement of Medical expenses for self and dependents, Conveyance Advance, House Building Advance etc. are available as per CSIR rules, as applicable to the employees of CSIR. Council accommodation will be allotted as per priority to be reckoned from the date of joining/availability, in which case HRA will not be admissible.
- ii. Scientists in Pay Matrix will be eligible for Professional Update Allowance of Rs.10,000/- per annum. Scientist in the Pay Level 13 & 13A are also eligible for Professional Update Allowance of Rs. 20,000/- per annum. A Scientist can also **augment his/her income with earnings** by way of honorarium/Intellectual fees from consultancy/technical services and R&D sponsored projects undertaken by the laboratory, as per CSIR rules.
- iii. CSIR provides excellent opportunities to deserving candidates for career advancement under Assessment Promotion Scheme for Scientists.
- iv. Candidates on appointment, also have the opportunity to pursue Ph.D work with an external registration (wherever admissible).

C. Relaxations:

- i. Relaxation in age limit upto 5 years for the post of Scientists only, allowed to the candidates working in CSIR/Labs./Instts. OR Government/Autonomous Bodies/Public Sector Employees in accordance with the instructions and orders issued by the CSIR/GOI from time to time in this regard.
- ii. Upper age limit relaxable by 5 years in the case of SC/ST and by 3 years in the case of OBC candidates for the posts which are reserved for the respective category. Relaxation in Upper age will be given to PWDs candidates as per CSIR/GOI orders issued from time to time. Relaxation of upper age limit for Ex-servicemen is admissible, as per rules. Relaxation in the upper age limit of 5 years applicable for persons who had ordinarily been domiciled in the Kashmir Division of the State of J&K during the period of 01/01/1980 to 31/12/1989 subject to production of a certificate from the District Magistrate in the Kashmir Division within whose jurisdiction he had ordinarily resided; OR from any other authority designated in this behalf by the Government of J&K.
- iii. Relaxation in upper age limit for Persons with Disability will be 5 years, over and above SC/ST/OBCs as the case may be.
- iv. Special age relaxation: Upto the age of 40 years in the case of Widows, Divorced Women and Women Judicially separated from their husbands, who are not re-married, as per rules.
- v. Relaxation in age, qualification and/or experience prescribed, may be allowed by the Competent Authority where sufficient numbers of candidates are not likely to be available for filling up of the posts, as per rules.

D) HOW TO APPLY:

1. Eligible candidates are required to apply online only. For details and online application visit website link <http://imtech.res.in>. The last date of online submission of application is 19.05.2017 (1700 hours).
2. If the candidate does not have a valid email ID, they must have to create a new valid email ID before applying online.
3. The fee (non-refundable) for General/OBC candidates is Rs.100/- (Rupees One hundred only) is to be deposited online. Once fee paid is non-refundable/non-adjustable. The online application fee must be deposited by the same day/next day from the date of submission of online application. No enquiry/correspondence will be entertained in such cases.
4. Candidates belonging to SC/ST/PWD/Women/Regular Employees of CSIR/Identified Casual Workers in CSIR categories are exempted from payment of application fee.
5. Candidates must ensure that application fee (if applicable) have been deposited online as per requirement. If it is found at any stage that applications were not supported with application fee (if applicable), shall be rejected. No enquiry/correspondence will be entertained.

6. Candidates are advised to ensure to upload latest coloured Photograph and signatures. Photograph/Signatures should be clear, otherwise application is liable for rejection.

E. GENERAL CONDITIONS/INSTRUCTIONS:-

1. The applicant must be citizen of India.
2. The number of vacancies under each code is provisional and may vary.
3. The qualifications prescribed should have been obtained through recognized Universities/ Institutions.
4. Applications received without prescribed fees will be summarily rejected.
5. Age and experience will be reckoned as on the last date of receipt of application form i.e. 19.05.2017.
6. The period of experience in a discipline/area of work, where prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualification for that Group/Grade.
7. If candidates are eligible for more than one post and intend to apply more than one post, they have to submit separate applications along with separate applications fee (if applicable) for each post.
8. All testimonials/certificates will be verified later. Therefore, candidates must have its original(s) for verification as and when desired by this Institute. If it is found that they have furnished false information, their candidature shall be rejected.
9. SC/ST/OBCs and PwD(OH) castes and disability category (OH) issued by the competent authority must be on the prescribed proforma. The PwD(OH) category candidates must have to furnish their medical certificate of their physically handicapped (OH) issued by the competent medical authorities as and when desired by the Institute authorities.
10. Those candidates already working in Govt. Departments & Public Sector Undertakings will be allowed provisionally with the understanding that they have given prior intimation before applying in their Departments/Organizations etc.. At the time of final selection they must have to produce certificate from their Departments/Organizations mentioning that the candidate had been permitted to appear in the Interview and they have 'NO Objection' for selection and applicant will be relieved within one month of receipt of appointment order, failing which their candidature is liable for rejection.
11. Late applications for whatsoever reason and incomplete applications (i.e. without photograph and unsigned etc.) will be summarily rejected. In case candidates have not submitted their online application due to failure of server/any technical defect on the last moment, last date will not be extended. **Therefore, candidates are advised to submit online application well in advance before the last date of submission of application.** Institute decision will be final and no enquiry will be entertained in this regard.
12. Date of Interview/Written Test as the case may be will be displayed on IMTECH website.
13. Admit Cards/Roll Nos will be issued online to hold Examination/Interview. No separate call letter(s) will be issued to candidate(s).
14. Candidates are advised to keep print out of submitted application for future reference.
15. Mere fulfillment of educational qualifications and experience does not entitle a candidate to be called for interview. The duly constituted Screening Committee will adopt its own criteria for short-listing the candidates and only those candidates who, in

the opinion of the Institute, suit the Institutional requirements, will be called for interview. The candidates should therefore, mention in the application all the qualifications and experience in the relevant area over and above the minimum prescribed qualification. Completion of Ph.D. degree will be reckoned from the date of issue of provisional certificate/notification.

16. Candidates may indicate as to whether any of their blood/close relatives is working in CSIR or any other National Labs./Institutes of the CSIR.
17. Outstation candidates called for interview will be paid to and fro single second class rail fare/ ordinary bus fare from the normal place of their residence or that declared in the application or from the actual place of undertaking the journey, whichever is nearer to the place of the interview, as per rules. Any discrepancy found between the information given in the application and as evident in the original documents at later stage will make the candidate ineligible for appearing in the interview. Such candidates will not be paid any fair.
18. Canvassing in any form and /or bringing in any influence political or otherwise will be treated as a disqualification for the post.
19. In case, any dispute arise, the decision of the IMTECH/CSIR in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, conduct of examination/interview will be final and binding on the candidates and no enquiry or correspondence will be entertained in this connection from any individual or his/her agency. No Interim enquiries will be entertained.
20. Director, CSIR-IMT reserves the right to not to fill any or all posts advertised.

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