

**DESCRIPTION OF CHINESE LABORATORIES INVOLVED
IN THE ICGB-DIC-MOST INTERNATIONAL FELLOWSHIP PROGRAM**

Unit & Location	Position available & required qualifications	Responsibilities	PI contact details
<p><u>Fudan University</u> SHANGHAI</p>	<p><i>Postdoctoral Fellow or Visiting Scientist in Professor Jiang's lab</i> 1 post Applicant must have MD or PhD degree, peer-reviewed publications and research experience in the field of virology or biomedical science, as well as good English writing and speaking skills.</p>	<p>Development of antiviral agents against HIV, coronaviruses or flaviviruses</p>	<p>Jiang Shibo Ph: 021-54237671 email: shibojiang@fudan.edu.cn</p>
<p><u>The Third People's Hospital of Shenzhen</u> SHENZHEN</p>	<p><i>Postdoctoral Fellow or Visiting Scientist in Professor Liu's lab</i> 1 post, PhD</p>	<p>Research of pathogenic microorganism and immunological techniques</p>	<p>Liu Yingxia Ph: 136030096453 email: yingxialiu@hotmail.com</p>
	<p><i>Postdoctoral Fellow or Visiting Scientist in Associate Professor Zhang's lab</i> 1 post, PhD</p>	<p>Immunologic mechanism research of tuberculosis</p>	<p>Zhang Guoliang Ph: 13823317067 email: szzhangguoliang@gmail.com</p>
	<p><i>Postdoctoral Fellow or Visiting Scientist in Associate Professor Zhang's lab</i> 1 post, PhD</p>	<p>Immunologic molecular markers for tuberculosis diagnosis</p>	<p>Zhang Guoliang Ph: 13823317067 email: szzhangguoliang@gmail.com</p>
	<p><i>Postdoctoral Fellow or Visiting Scientist in Dr. Tang's lab</i> 1 post, PhD</p>	<p>Immunologic research of HIV/AIDS vaccine</p>	<p>Tang Xian Ph: 18300003217 email: txelf1983@gmail.com</p>
	<p><i>Postdoctoral Fellow or Visiting Scientist in Dr. Huang's lab</i> 1 post, PhD</p>	<p>Biochemical probe research</p>	<p>Huang Naiqi Ph: 13692121643 email: wongnksz@163.com</p>

<p><u>National Institute for Viral Disease Control and Prevention, China CDC</u></p> <p>BEIJING</p>	<p><i>Postdoctoral Fellow or Visiting Scientist in Professor Gao's lab</i></p> <p>1 post</p> <p>Master degree (or PhD) on Medicine or Biology</p>	<p>Virus surveillance and test from patients or from wild animals, e.g. bats</p>	<p>Gao Fu Ph: 010-64807688 email: gaof@im.ac.cn</p> <p>Email for CV: liujun@ivdc.chinacdc.cn 13811034590</p>
	<p><i>Guest researcher in Professor Xu's lab</i></p> <p>1 post</p> <p>Basic techniques for the detection of polioviruses, and is the staff work for polio eradication program in Pakistan; Basic techniques for the detection of measles viruses, and is the staff work for measles elimination program in Pakistan.</p>	<p>Etiology study of polioviruses circulating in Pakistan; Etiology study of Pakistan measles viruses</p>	<p>Xu Wenbo Ph: 010-58900187 email: wenbo_xu1@aliyun.com</p>
	<p><i>Postdoctoral Fellow in Professor Wang's lab</i></p> <p>1 post</p> <p>PhD on Medicine or Biology requested, with background on influenza research</p>	<p>Work on the mutation and evolution of influenza viruses; Seasonal influenza viruses</p>	<p>Wang Dayan Ph: 010-58900850 email: wangdayan@ivdc.chinacdc.cn</p> <p>Email for CV: liujun@ivdc.chinacdc.cn 13811034590</p>
	<p><i>Postdoctoral Fellow or Visiting Scientist in Professor Liang's lab</i></p> <p>1 post</p> <p>Master degree (or PhD) on Medicine or Biology</p>	<p>The laboratory diagnosis of heamorrhagic fever viruses; Multi-plex detection techniques</p>	<p>Liang Mifang Ph: 010-58900822 email: mifangl@163.com</p>
<p><u>The Second Affiliated Hospital of Nanchang University</u></p> <p>NANCHANG</p>	<p><i>Postdoctoral Fellow or Visiting Scientist in Professor Hong's lab in Jiangxi Key Laboratory of Molecular Medicine</i></p> <p>1 post, PhD/Postdoctoral Fellow</p>	<p>Genetic screening of inherited cardiomyopathy by high throughput/direct sequencing, construction of knock in/knock out animal model, functional analysis of gene mutation</p>	<p>Hong Kui Ph: 0791-86312917 email: hongkui88@163.com</p>

<p><u>School of Life Sciences of Peking University</u> BEIJING</p>	<p><i>Postdoctoral Fellow or Visiting Scientist in Professor Bai's lab</i> 1 post PhD with training in plant morphogenesis and molecular biology required</p>	<p>Regulatory mechanism of early stamen development in rice and Arabidopsis</p>	<p>Bai Shunong Ph: 86-010-6276-1444 email: shunongb@pku.edu.cn</p>
<p><u>Zhejiang University</u> HANGZHOU</p>	<p><i>Postdoctoral Fellow or Visiting Scientist in Prof. Li's Lab, the First Affiliated Hospital, Zhejiang University School of Medicine</i> 1 post PhD or equal degree in biology, medicine, or public health</p>	<p>Development of novel diagnostic and treatment method for infectious diseases; Microbiota and diseases</p>	<p>Li Lanjuan Ph: 86-571-87236458; 86-13906514210 email: ljli@zju.edu.cn</p>
	<p><i>Postdoctoral Fellow or Visiting Scientist in Prof. Xu's Lab, Zhejiang University School of Medicine</i> 1 post PhD or equal degree in biology, medicine, or public health</p>	<p>Exploring the role and underlying mechanism of angiogenin in inflammatory bowel disease (IBD); Elucidating the regulatory role of angiogenin on microbiota of intestine</p>	<p>Xu Zhengping Ph: 86-571-88208008; 86-13905716664 email: zpxu@zju.edu.cn</p>
	<p><i>Postdoctoral Fellow or Visiting Scientist in Prof. Hesketh's Lab, Global Health Center, Zhejiang University School</i> 1 post PhD degree on Global Health or Public Health, medicine, and under 45 years old. Location: China or Africa.</p>	<p>Global health; Health policy</p>	<p>He Lisha Ph: 86-13754318244 email: t.hesketh@ucl.ac.uk</p>
	<p><i>Postdoctoral Fellow or Visiting Scientist in Prof. Hu's Lab, Interdisciplinary Institute of Neuroscience and Technology, Qiushi Academy for Advanced Studies</i> 1 post, Ph.D or equal degree in biology or medicine</p>	<p>Neurological basis of animal behaviors, with a main focus on the neural circuitry underlying depression and social dominance</p>	<p>Hu Hailan Ph: 86-13817519960 email: huhailan@zju.edu.cn</p>

<p><u>Tianjin University of Science & Technology</u></p> <p>TIANJIN</p>	<p><i>Visiting Scientist in the Fan Lab., Institute for Health Biotechnology at Tianjin University of Science & Technology; International Collaborative Research Center for Health Biotechnology, Tianjin</i></p> <p>1-2 posts</p> <p>The candidate should hold a Ph.D. degree and use English as a working language. A background in Molecular Biology, Cell Biology or Biochemistry is preferred.</p>	<p>Using molecular biology, cell biology, biochemistry and imaging technology to investigate the molecular mechanisms for ciliary assembly and ciliopathy by taking advantage of Chlamydomonas reinhardtii, cultured cells and mice as model systems</p>	<p>Fan Zhenchuan Ph: 022-60912419 email: fanzhen@tust.edu.cn</p>
<p><u>Tongji University</u></p> <p>SHANGHAI</p>	<p><i>Visiting Scholar in Prof. Li's Lab</i></p> <p>1-2 posts</p> <p>Bachelor / Master / PhD degree in Biomedical Engineering, Medicine, Mechanical Engineering, mechanics, etc.; Familiar with the commonly used finite element analysis software and pro-and post processing tools; some knowledge with 3D modeling software; Interested in medical digital simulation research; good team spirit; fluent in English; Expected to work in China for about 12 months.</p>	<p>Digital simulation research of damage or degeneration mechanism in orthopedic field; Finite element research and optimization analysis for relevant surgical methods; Finite element study and translational research for the biomechanical properties and fatigue of orthopaedic implant</p>	<p>Cheng Liming Ph: 13701959550 email: chlmd@163.com</p>
<p><u>Southeast University</u></p> <p>NANJING</p>	<p><i>Visiting Scholar in Prof. He's Lab</i></p> <p>1 post</p> <p>PhD in materials, computer, biomedical engineering, machinery, chemistry, automation, or medicine</p>	<p>Development of novel methods, novel technologies, and integrated devices for nucleotides assays</p>	<p>He Nongyue Ph: 025-83790885; 13505172057 email: nyhe@seu.edu.cn</p>
	<p><i>Visiting Scholar in Prof. Sun's Lab</i></p> <p>1 post, PhD</p>	<p>Bioinformatics research</p>	<p>Sun Xiao Ph: 025-83795174 13951989906 email: xsun@seu.edu.cn</p>
	<p><i>Visiting Scholar in Prof. Lu's Lab</i></p> <p>1 post</p> <p>PhD with background in biotechnology or molecular genetics</p>	<p>To develop an single molecule DNA or RNA sequencing method</p>	<p>Lu Zuhong Ph: 025-83793779; 18651800622 email: zhlu@seu.edu.cn</p>

	<p><i>Visiting Scholar in Prof. Zhao's Lab</i> 1 post PhD in biotechnology or molecular genetics</p>	<p>To develop an in vitro diagnostic method for simultaneous multi-analyze detection</p>	<p>Zhao Xiangwei Ph: 025-83795632; 18912971863 email: xwzhao@seu.edu.cn</p>
	<p><i>Visiting Scholar in Prof. Luo's Lab</i> 1 post, PhD in molecular biology or related fields</p>	<p>Working on the project of genomic imprinting in development and diseases</p>	<p>Luo Zhuojuan Ph: 13905152463 email: zjluo@seu.edu.cn</p>
	<p><i>Visiting Scholar in Prof. Chai's Lab</i> 1 post, PhD</p>	<p>Working on the project of biomarker for early detection of noise induced hearing loss to confer resistance</p>	<p>Chai Renjie Ph: 18805193999 email: renjiec@seu.edu.cn</p>
<p>Shenzhen University</p>	<p><i>Postdoctoral Fellow or Visiting Scholar in BL's Lab, Shenzhen University Health Science Center</i> 1 post Highly motivated young scientists with PhD degree and outstanding training in Biochemistry, Molecular Biology and mouse work.</p>	<p>Using nematode and mouse models to investigate molecular mechanism and pharmaceutical intervention of (premature) senescence and individual aging</p>	<p>Liu Baohua Ph: 0755-86674609; 13662577879 email: ppliew@szu.edu.cn</p>
<p>SHENZHEN</p>	<p><i>Postdoctoral Fellow or Visiting Scientist in Prof Zhu's Lab, Shenzhen University Health Science Center</i> 1 post Highly motivated young scientists with PhD degree and outstanding training in Biochemistry, Molecular Biology and Cancer Biology.</p>	<p>To investigate epigenetic regulation of genomic stability, cellular homeostasis and cancer development</p>	<p>Zhu Weiguo Ph: 0755-86670355; 13521858321 email: zhuweiguo@szu.edu.cn</p>

<p>China National GeneBank of Beijing Genomics Institute (BGI)</p> <p>SHENZHEN</p>	<p><i>Sr Research Scientist in Systems Biology</i> 2 posts PhD in systems biology, bioinformatics, computational biology, or a related field, with strong knowledge in complex system simulation. Experiences in modelling biological or ecological processes. Familiar with modelling techniques for high-throughput data, such as constraint-based modeling, agent-based modeling. Fluent with multiple programming languages, excellent ability to perform high-quality scientific programming is required (Python, R or MatLab). Microbiology, genomics research background/experience is preferred. Strong interest in the field of health, computation technologies and desire to use them for system biology research. A record of scientific accomplishment in graduate or post-graduate studies, as demonstrated by one or more first authorships in peer-reviewed journals Outstanding communication skills, as evidenced by successful presentations at relevant conferences or meetings</p>	<p>Design and develop mathematical model describing gut microbiota multispecies metabolic network. Incorporate multi-omics data (eg. Metagenomics, metabolomics, etc) to better understanding interactions gut microbial communities and host-microbe metabolic interaction. Apply mathematical model to human dietary interventions and disease prediction. Reconstruct human gut bacterial GEM (genome-scale metabolic model), to predict bacterial phenotypes and nutrient requirements. Design research project to gather and access to big-cohort and high quality data modeling required. Lead research project and direct related work of other laboratory colleagues. Participate in grant application and scientific paper writing.</p>	<p>Shen Yue Ph: 15013833483 email: shenyue@genomics.cn</p> <p>Email for CV: suhang@genomics.cn</p>
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	<p><i>Senior scientist in Metabolic Engineering</i> 1 post PhD in Genetics, Molecular Biology, Microbiology, Systems Biology, Biochemistry or Chemistry; Maintaining an in-depth knowledge of advances in yeast metabolic engineering (Deep understanding of yeast cellular physiology and metabolism and the processes associated with target molecule production such as product transport, energy usage, redox metabolism and impact on cellular health) and routinely educate fellow team members are preferred; PhD, 5+ years experience with a proven track record of accomplishments, preferably in bio-industrial, or life sciences companies/institutions is preferred; Successful at communicating in both oral and written forms; Effective organization and implementation of group projects; Demonstrated success in technical proficiency, scientific creativity, collaborations with others; Strong organization skills and proven ability to manage details.</p>	<p>Lead projects in microbial strain development for the production of industrial products; Seek and qualify new technologies and techniques that will further advance/enable project goals; Work in partnership with other teams (fermentation, assay development and screening, analytical, etc.) to advance projects; Where appropriate collaborate with external research and commercial partners to support externally funded projects and technology transfer; Participate in writing research proposals, reports, patent applications, presentations and publications, providing critical data, figures or information for grant and patent submissions; Implement appropriate time management and delegation techniques in order to successfully manage a dynamic scientific team while devoting time for individual scientific contributions; Be a conscientious laboratory citizen, adhere to EH&S standards and set a positive standard for more junior colleagues.</p>	<p>Shen Yue Ph: 15013833484 email: shenyue@genomics.cn</p> <p>Email for CV: suhang@genomics.cn</p>
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	<p><i>Senior Automation Engineer</i> 1 post MS in Electrical/Mechanical Engineering. Bioengineering or related field & 3+ years relevant industry experience. PhD is preferred. Minimum of 3+ years of experience in operating and programming robotic liquid handlers such as Hamiltons and Tecans. Hands-on experience with robotic handling of liquids, cells and DNA. Expert in designing and writing scripts using control software native to liquid handling instruments. Experience with biology instrumentation used for PCR, cell-based cloning, mini-prep extraction and purification is a huge plus. Experience with sample tracking software and developed interfaces between robotic instrumentation and LIM systems. Excellent scientific computation and data analysis capabilities. Ability to work with biologists and chemists to transfer assays and processes from the lab bench to automated instruments for production. Previous experience in robotics, medical device design, human interface design, quality systems, and/or electrical testing are highly desirable. Knowledge of engineering documentation and lab procedures desirable. Strong organizational skills, creativity, motivation, and communication (oral and written) ability required. Prior experience in software development or use pertaining to data acquisition and control is beneficial. Candidates must have a willingness to work outside of their discipline to accomplish project goals. Capable of working in a fast paced team environment.</p>	<p>Develop hardware and processes necessary for the production of Synthetic DNA. Work with suppliers to perform feasibility analysis, risk assessment and technical performance improvement. Responsible for inventing, developing and managing the robotic handling of liquids, cells and DNA. Programming robotic liquid handling systems for processing of microliter amounts of synthetic DNA, cells, and reagents. Developing tooling, hardware, and software for high-throughput DNA synthesis and processing. Operation of a range of scientific instruments and tools. Developing documentation and training instrument operators. Capable of leading, guiding and monitoring a team work.</p>	<p>Shen Yue Ph: 15013833485 email: shenyue@genomics.cn</p> <p>Email for CV: suhang@genomics.cn</p>
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<p><u>Research Institute of BGI in Qingdao</u></p> <p>QINGDAO</p>	<p><i>Senior Scientist in Marine Genome Editing Research</i> 1 post</p> <p>The candidate should have a PhD in biotechnology, molecular biology, plant biology, environmental engineering or in marine biology-related fields. Solid scientific background in marine-related research and molecular biology is required. Extensive experiences in marine genome-engineering projects will be preferred. Hands on experience with cutting edge molecular technologies related to gene editing research would be preferred.</p> <p>Experience working with external partners is highly preferred.</p> <p>Demonstrated excellent leadership and management skills, including building, training and mentoring of teams. Effective communication skills in English. Excellent interpersonal capabilities with a strong focus on problem solving. Demonstrated ability to work with people across disciplines.</p> <p>Experience in grant writing and submissions; demonstrated success in securing grant funding.</p>	<p>Establish and manage technical platforms to support the research and application development of marine genome editing projects. Set research strategy, design and implement scientific and technological processes to achieve goals.</p> <ul style="list-style-type: none"> • Actively engaged in participating collaborations with internal and external partners. Align and establish networks with global groups, companies and agencies. • Work efficiently in a multi-task environment, and supervise junior scientists to deliver hands-on work according to priorities and timelines. • Assume responsibility for proposal writing, proposal submissions and securing funding to support projects. Publish manuscripts on high impact journals. 	<p>Fan Guangyi Ph: 18576694373 email: fanguangyi@genomics.cn</p> <p>Email for CV: suhang@genomics.cn</p>
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<p>Life Sciences Institute of BGI</p> <p>SHENZHEN/ QINGDAO</p>	<p><i>Senior Scientist in Bioinformatics</i> 10 posts PhD degree in Bioinformatics, Computer Science, Computational Biology, or related field from an accredited university (or foreign equivalent). Three years working experiments in relative industry is preferred. Working experience with Linux and Windows OS, experience with scripting (bash or Python,R) and object-oriented programming (C#, C++, or Java). Solid understanding of genetics, DNA microarray, NGS technique, and genome analysis. Working experience with Bioinformatics tools and algorithm for NGS is preferred. Previous working experience involving Bioinformatics software development or testing is preferred. Good verbal and written communication and troubleshooting skills. Familiarity with databases (such as MySQL or PostgreSQL), Cloud computing (such as Amazon Web Services), and web service is preferred. The successful candidate must be a fast learner with strong sense of ownership, motivation, and detail oriented.</p>	<p>Work independently in cross-functional teams to lead the testing effort for Bioinformatics data analysis software that could be applied to facilitate DNA synthesis manufacturing pipeline and sequencing analysis. Develop, improve, and maintain test automation frameworks and continuous Integration pipelines. Develop tools and utilities for Bioinformatics verification and validation. Develop test deliverables and analyze the results of Bioinformatics pipelines using internal and 3rd party Bioinformatics software. Work with software developers, Bioinformatics scientists and domain experts in designing, performing, and improving the verification and validation process. Collaborate with peers to identify opportunities for process improvement. Capable of leading, guiding and monitoring a team work.</p>	<p>Li Junhua Ph: 13929566296 email: lijunhua@genomics.cn</p> <p>Email for CV: suhang@genomics.cn</p>
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