

International Postdoctoral Position Descriptions

Offered by: Beijing Academy of Science and Technology

Contact: wuqing

Tel: 13811458632

E-mail: wuqing@bjast.ac.cn

No.	Discipline(s)	Postdoctoral Research Position(s)	Primary Research Focus	Number of Positions & Duration	About the Principal Investigator (PI) and Research Team	Required Qualifications & Eligibility Criteria	Benefits and Support	Application Procedures
1	Biology (First-level Discipline) / Bioinformatics (Second-level Discipline)	AI Algorithm Application Researcher (Tumor Immunology Direction)	<p>1. Research Direction: AI-driven design of biological macromolecules (antibodies/cyclic peptides) and new materials, as well as intelligent drug R&D;</p> <p>2. Core Content:</p> <p>① Conduct de novo discovery and engineering research of AI algorithms for antibodies, cyclic peptides and new materials;</p> <p>② Develop image recognition algorithms and multimodal data integration and analysis algorithms;</p> <p>③ Design binding proteins (antibodies/peptides) targeting disease-related target proteins and immune regulatory receptors, independently design and optimize deep learning models based on public databases and the laboratory's own datasets to realize AI-driven design and optimization of antibodies/peptides.</p>	Planned to recruit 1 person, training period of 2-4 years (adjustable according to the progress of scientific research projects)	Dr. Yanmei Zhang, Team Leader, is an Associate Research Fellow at the Beijing Academy of Science and Technology and an outstanding young talent. With extensive research experience in tumor biology and tumor model technology, she has published 23 SCI papers in journals such as Nature Communications and Advanced Materials, led seven competitive projects including those funded by the National Natural Science Foundation of China, and obtained nine authorized patents (three of which have been commercialized). She has also received one Geneva International Invention Award. The R&D team consists of professionals with interdisciplinary backgrounds (including nine Ph.D. holders and two master's degree holders). Core members have research and development experience at globally renowned biopharmaceutical companies, as well as extensive expertise in CAR-T technology, novel antibody development, and translation. The team focuses on the needs of precision tumor immunotherapy, integrating innovations in biotechnology, new materials, and additive manufacturing to develop novel tumor immunology	<p>1. Age generally not exceeding 35 years old;</p> <p>2. Has obtained or is about to obtain a doctoral degree in bioinformatics, computer science, artificial intelligence, mathematics or related fields;</p> <p>3. Priority is given to candidates with research backgrounds in protein design and immunology;</p> <p>4. Proficient in the application of deep learning frameworks and has practical experience in algorithm development and optimization;</p> <p>5. Has published at least 1 relevant research paper as the first author in SCI journals;</p> <p>6. Possesses good communication and coordination skills, a strong sense of teamwork, and is fluent in English listening, speaking, reading and writing;</p> <p>7. Abides by Chinese laws and regulations as well as the rules and regulations of the unit, and loves scientific research work.</p>	<p>1. Annual salary of 300,000-400,000 yuan (including national and local subsidies);</p> <p>2. Equip with exclusive experimental space and required software and hardware equipment;</p> <p>3. Assist in handling visa, accommodation, children's education and academic exchange related matters;</p> <p>4. Provide comprehensive career development training and promotion channels, and support participation in high-level academic conferences at home and abroad..</p>	Candidates should first communicate with the intended supervisor. After the supervisor's approval, the research institution will conduct qualification review and postdoctoral admission assessment. Those who pass the assessment will be submitted to the BJAST for approval.

					materials, models, and technologies. Their work aims to produce internationally leading achievements with independent intellectual property rights and provide innovative solutions for tumor treatment.			
2	Biomedical Engineering (First-level Discipline) Biological Engineering (First-level Discipline) Biology and Medicine (First-level Discipline) Biology (First-level Discipline) Basic Medicine (First-level Discipline)	Organ-on-a-Chip Research Position	This position centers on the design, development and application of organ-on-a-chip (OOC) technology in the field of nutritional health. The candidate must demonstrate the ability to independently perform relevant experimental tasks, including OOC design, cell culture, and functional characterization.	Planned Recruitment: 1 person; Training Period: 2 years.	Zhu Jing, Ph.D, head of the Nutriomics Team at the Institute of Biotechnology and Health Research	1.Age: not exceed 35 years old. 2. Possess a professional background in biomedical engineering, bioengineering, biology and medicine, biology, basic medical sciences, Microfluidic technology, or related fields such as organ-on-a-chip research. 3. Have published at least 1 relevant research paper as the first author in an SCI-indexed journal. 4. Be proficient in English listening, speaking, reading and writing, with the ability to conduct independent scientific research. 5. Abide by the laws and regulations of the People's Republic of China as well as the rules and regulations of the institution.	1. An annual salary of 300,000-500,000 RMB (including national and local subsidies) will be offered based on academic qualifications and research achievements. 2. Experimental space and necessary equipment will be provided. Assistance will be offered with visa applications, accommodation arrangements, children's education, and other related matters.	Applicants shall first consult with their intended supervisor. Upon the supervisor's approval, the Institute will conduct eligibility review and admission assessment. Successful candidates will be submitted to the Academy for final approval.
3	Chemistry (First-level Discipline) / Analytical Chemistry (Second-level Discipline) Biology (First-level Discipline) / Biochemistry and Molecular Biology (Second-level Discipline) Biology (First-	Proteomics Research Position	Proteomics Research: Development of omics methods for proteomics and post-translationally modified proteins (with a focus on glycosylation modification), mass spectrometry detection, and data analysis.	Planned Recruitment: 1 person; Training Period: 2 years.	Zhu Jing, Ph.D, head of the Nutriomics Team at the Institute of Biotechnology and Health Research.	1. Age should generally not exceed 35 years of age. 2. Possess a professional background in analytical chemistry, biochemistry and molecular biology, chemistry, cell biology, biology, biotechnology and engineering, medicinal chemistry, or other related fields. 3. Have published at least 1 relevant research paper as the first author in an SCI-	1. An annual salary of 300,000-500,000 RMB (including national and local subsidies) will be offered based on academic qualifications and research achievements. 2. Experimental space and necessary equipment will be provided. Assistance will be offered with visa applications,	Applicants shall first consult with their intended supervisor. Upon the supervisor's approval, the Institute will conduct eligibility review and admission assessment.

	level Discipline) / Cell Biology (Second-level Discipline) Biology and Medicine. (First- level Discipline) / Biotechnology and Engineering (Second-level Discipline) Pharmacy (First- level Discipline) / Medicinal Chemistry (Second-level Discipline)					indexed journal. 4. Be proficient in English listening, speaking, reading and writing, with the ability to conduct independent scientific research. 5. Abide by the laws and regulations of the People's Republic of China as well as the rules and regulations of the institution.	accommodation arrangements, children's education, and other related matters.	Successful candidates will be submitted to the Academy for final approval.
4	New Generation Information Technology (Primary Field) / Artificial Intelligence (Secondary Field)	Generative AI System /R&D Engineer	1. Research areas: Information Management & Big Data Technology, Cloud Service Engineering, AI Engineering, Business Analytics, and Technical Economics. 2. Research focus: Development and application of specialized databases for information services; R&D of "Fast, Broad, Precise, and Accurate" information mining and analysis technologies; Research on security and trusted technologies for science and technology information; Intelligentization of information tools and construction of intelligent agent cluster ecosystems; Research on human-machine collaborative intelligence for precise information analysis and decision support.	1 candidate, 2 years	ZHANG Shiyun, Director and Party Secretary of the Institute of Science and Technology Information, Beijing Academy of Science and Technology (BJAST), leads a team engaged in long-term research on scientific and technical intelligence and strategic studies. He is a recipient of the Special Government Allowance from the State Council, a candidate of the New Century Hundred, Thousand, and Ten Thousand Talents Project in Beijing, an expert of the Beijing Municipal Leading Group for National Security's think tank, a leading figure of the Capital High-End Think Tank recognized by the Beijing Municipal Committee and Government, and a member of the 10th Beijing Municipal Committee of the Chinese People's Political Consultative Conference. He has also been honored as an "Outstanding Contribution Scholar" by the Chinese Association for Science of Science and S&T Policy Research. In addition, he serves as Vice Chairman of the Zhongguancun National Infrastructure Conditions Sci-Tech Resource Sharing Service Innovation Alliance, and as Executive Council Member of the China Society for Scientific and Technical Information, the Chinese Association for Science of Science and S&T Policy Research, and the China Society for S&T Indicators. He is also a member of the Investment Advisory Committee for the Artificial Intelligence Field under the Ministry of Industry and Information Technology. Since 2015, he has led 81 research projects, including 44 at the provincial/ministerial level or above.	1. Age at or below 35; 2. Possess an educational background in New Generation Information Technology or related fields; 3. Have published at least one relevant paper as the first author in an SCI-indexed journal; 4. English proficiency in listening, speaking, reading, and writing, with the ability to conduct independent scientific research; 5. Hold a doctoral degree from a university ranked within the global top 100; 6. Comply with Chinese laws, regulations, and institutional rules and regulations.	1. An annual pay package of 695,000 RMB (including national and local subsidies, pre-tax). 2. Office space and necessary equipment provided. 3. Assistance provided with visa processing, accommodation, and children's education.	The applicant should express his/her interest in this position with the prospective supervisor. Upon obtaining the consent of the institute will conduct qualification review and an admission assessment. Candidates who pass the assessment will be recommended to the academy for final approval.

					He has authored or edited 25 books and published nearly 100 papers, among which 16 are indexed in the Chinese Social Sciences Citation Index (CSSCI), with a cumulative download count of 12,093 and 316 citations. He has received 8 awards at the provincial/ministerial level. The team comprises over 70 members, forming a multidisciplinary research force led by senior experts and driven primarily by young and middle-aged core members. The team places special emphasis on cultivating young talent, with researchers under the age of 45 accounting for approximately 80% of the total, constituting the most dynamic and innovative core of the team.			
5	Management / Management Science and Engineering.	Science and Technology Innovation Management	Science & Technology Policy, International Cooperation, and Innovation Management	1 fellow, 24 months	<p>Li Junkai, female, Ph.D. in Management, Professor, expert receiving the State Council Special Allowance, Director of the Center for International and Regional Cooperation at Beijing Academy of Science and Technology, and Secretary-General of the Zhongguancun Global High-Level Think-Tank Alliance.</p> <p>Dr. Li's research team comprises 23 members, 96% of whom hold doctoral or master's degrees and 8 have returned from overseas, forming a highly educated, international, and interdisciplinary talent pool.</p> <p>Focusing on science & technology policy, innovation ecosystems, international S&T cooperation, and women in S&T innovation, the team has undertaken more than 40 major projects—including National Social Science Fund key projects, Beijing Social Science Fund key projects, Beijing Science & Technology Plan projects, and APEC-funded projects—published over 80 academic papers, and released 28 monographs in Chinese and English.</p>	<ul style="list-style-type: none"> – Age ≤35; – Any discipline, priority given to Management Science & Engineering background; – Strong English skills (listening, speaking, reading, writing), able to conduct independent research; – Abide by Chinese laws, regulations and institute rules 	Annual salary: RMB 300,000 (incl. national & local subsidies); visa, accommodation and other logistics support provided	Applicants should first submit their CV, undergo qualification review, and then take the entrance assessment.

6	Biology (First-level Disciplines); Veterinary Medicine (First-level Disciplines); Genetics (Second-level Discipline).	Milu Conservation and Biodiversity Conservation Research Position	<p>1. Capable of adapting to field surveys, independently conducting monitoring and research related to population health of Milu and other wildlife, zoonotic diseases, and scientifically assessing zoonotic disease transmission risks and public health safety</p> <p>2. Capable of utilizing molecular biology and omics technologies to study genetic diversity, population structure, immune levels, of Milu and other wildlife, assessing wildlife population health, scientifically formulating conservation strategies, guiding wildlife population management, effectively directing wildlife management work, and promoting the conservation and development of biodiversity.</p>	1-2 persons, 1- 6 years determined by project progress.		<ol style="list-style-type: none"> 1. Generally not exceeding 35 years of age; 2. Possess relevant background in molecular biology, conservation biology, genetics, veterinary medicine, etc.; 3. Published at least 1 relevant research article as first author in an SCI-indexed journal; 4. Possess good English listening, speaking, reading and writing skills, and be capable of conducting scientific research independently; 5. Comply with Chinese laws, regulations, and unit rules and regulations. 	<ol style="list-style-type: none"> 1. Annual salary of 400,000 RMB (including national and local subsidies); 2. Provision of research startup funding of 200,000 RMB; 3. Provision of laboratory space and necessary equipment; 4. Possess good English listening, speaking, reading, and writing skills, capable of conducting independent scientific research; 5. Assistance with visa, accommodation, and children's education matters. 	Candidates should first communicate with the intended supervisor. After the supervisor's approval, the research institution will conduct qualification review and postdoctoral admission assessment. Those who pass the assessment will be submitted to the BJUST for approval.
---	---	---	---	---	--	---	---	---

7	Biology, Pharmacy / Pharmaceutical Sciences, Traditional Chinese Pharmacy, Chinese Materia Medica, Synthetic Biology, Pharmacology, Medicinal Chemistry	Pharmaceutical Research Position	<p>1. Research Focus: Design and implementation of genetic circuits, metabolic pathways, rational design and directed evolution of proteins;</p> <p>2. Core Competencies: Conduct molecular cloning, vector construction, cell culture, phenotypic screening, and functional validation experiments. Possess solid molecular biology skills (PCR, cloning, electroporation, restriction enzyme digestion and ligation, etc.) and mastery of various gene manipulation techniques.</p>	1	<p>Qile Zhou, PhD in Pharmacy from Peking University, serves as Deputy General Manager of Beijing Nutrition Source Research Institute Co., Ltd., concurrently leading the Biopharmaceutical Division and Functional Evaluation Division. He has spearheaded and participated in numerous scientific research and grant projects, achieving significant accomplishments in ginseng (red ginseng, black ginseng) research. As first author or corresponding author, he has published several SCI-indexed papers. In the process of transforming scientific achievements into practical applications, he led the independent development of a proprietary Chinese black ginseng extract. Through extensive scientific accumulation, processing and purification process validation, pilot testing, and scale-up trials, the black ginseng extract has now achieved industrial-scale production.</p>	<p>1. Age generally not exceeding 35 years old;</p> <p>2. Possess a background in neurobiology, molecular biology, pharmacology, or related fields;</p> <p>3. Have published at least one research paper as first author in an SCI-indexed journal;</p> <p>4. Demonstrate strong Chinese and English language skills in listening, speaking, reading, and writing, and be capable of conducting independent research;</p> <p>5. Comply with Chinese laws and regulations as well as institutional rules and regulations.</p>	<p>1. Annual salary: Negotiable (including national and local subsidies);</p> <p>2. Provision of laboratory space and necessary equipment;</p> <p>3. Assistance with visa processing, accommodation arrangements, and children's education matters.</p>	<p>Candidates should first communicate with the intended supervisor. After the supervisor's approval, the research institution will conduct qualification review and postdoctoral admission assessment. Those who pass the assessment will be submitted to the BJUST for approval.</p>
---	---	----------------------------------	---	---	--	--	---	--