

	Requirement					Personnel Arrangement		Manager Information	
	Major	Work Experience	Degree	Quantity	Type	Position	Duty	Manager	Tel/E-mail
ANHUI INSTITUTE OF OPTICS AND FINE MECHANICS (AIOFM)									
1	Optics/Atmospheric physics/Atmospheric Chemistry	Senior Researcher	Ph.D	1	High-Level talent program	Advanced optical techniques for atmospheric monitoring	Techniques for rapid in-situ detection of environmental trace pollutants, Spectroscopic techniques for atmospheric trace gases and aerosol on various platforms	Pinhua Xie	phixe@aiofm.ac.cn/65593147
2	Optoelectronics	Experiences of more than 5 years in the famous university or R/D work in big company	Ph.D	1	High-Level talent program	Professor	Combining with the developed research direction of host group in optical fiber sensing or high sensitive spectroscopic detection, to investigate or develop products on long distance oil/gas pipeline safety monitoring, Smart city, sensors for Internet of Things or pollution source tracing based on our previous research achievements.	ZHANG Zhirong	0551-65595001 zhazhangzr@aiofm.ac.cn
3	Analytical chemistry/Molecular biology	more than three years of overseas study	Ph.D	1	High-Level talent program	application of microfluidic device in biomedicine	design and fabrication of microfluidic device, including human organs-on-a-chip. Research of the method of nucleic acids amplification, gene mutation and SNP based on microfluidic device.	Ling Zhu	0551-65392997/ zhul@aiofm.ac.cn
4	Optics/Biomedical Engineering/Physical Chemistry/Physics	/	Ph.D	1	High-Level talent program	Biomedical spectroscopy and spectral imaging	Optical spectral and imaging techniques in clinical diagnosis	Yong Liu	0551-65591077/ liuyong@aiofm.ac.cn

INSTITUTE OF SOLID STATE PHYSICS (ISSP)

1	Computational condensed matters/Computational material sciences	Senior Researcher	Ph.D	2	overseas student	Advanced functional material design	Developing new methodologies to study the physical mechanism of advance functional materials, and designing the corresponding novel materials.	Yongsheng Zhang	0551-65591680/yshzhang@theory.issp.ac.cn
2	Material physics and chemistry	Industrial experience is preferred	Ph.D	2	High-Level talent program	Electronic functional materials	Research and development on the preparation, performance and application of electronic functional materials will be carried out in the fields of integrated circuits and new displays	Xian Zhang	0551-65592752/xzhang@issp.ac.cn
3	Material Physics & Chemistry	Senior Researcher	Ph.D	1	overseas student	Graphene-based energy materials and devices	Fabrication & structure regulation of graphene electrodes and their applications in energy devices such as supercapacitor, lithium ion battery and fuel cell	Zhenyang Wang	0551-65591812/zywang@iim.ac.cn
4	Material Physics & Chemistry	Senior Researcher	Ph.D	1	overseas student	thermal controll materials	synthesis and their properties on heat insulating materials,photo to heat conversion materials and thermal rectification etc.	Zhenyang Wang	0551-65591812/zywang@iim.ac.cn
5	Chemistry/Materials	No limitation	Ph.D	2	High-Level talent program/overseas student	Atomically precise nanoparticle (nanocluster) study	The synthesis,structure and property study on metal nanoparticles (nanoclusters) with atomic precision	Zhikun Wu	0551-65595395/zkwu@issp.ac.cn
6	High pressure physics	Senior Researcher	Ph.D	1	High-Level talent program	Experimental investigations of material propertis under high-pressure	Techniques for high pressure experiemnts, especially for studies of low-Z elements (such as hydrogen, nitrogen and other functional compounds) under high-pressure by using the diamond anvil cell (DAC) apparatus.	Xianlong Wang	0551-65591591/xlwang@theory.issp.ac.cn

7	High pressure physics	Senior Researcher	Ph.D	1	High-Level talent program	Simulations of material properties under high-pressure	Techniques for simulations, especially for studies of low-Z elements (such as hydrogen, nitrogen and other functional compounds) under high-pressure by using the first-principles method and molecular dynamics method.	Xianlong Wang	0551-65591591/xlwang@theory.issp.ac.cn
HIGH MAGNETIC FIELD LABORATORY (CHMFL)									
1	Spintronics or TEM	Senior Researcher	Ph.D	1	overseas student or High-Level talent program	Topological Magnetism	investigation on the dynamics of topologically non-trivial spin textures including skyrmions, meron, bobbers	Haifeng Du	0551-65592361/duhf@hmfl.ac.cn
2	Condensed matter physics (theoretical or experimental)	Senior post doctor/ Researcher	Ph.D	2	overseas student	research about quantum material	search for new low-power quantum material/matter; explore emergent physics in quantum material; Design and fabricate the prototype devices	Ning Hao	haon@hmfl.ac.cn
3	condensed matter physics	Senior Researcher	Ph.D	1	overseas student	condensed matter physics under extreme conditions	Study of novel correlated electronic matters under synergetic extreme conditions	Zhaorong Yang	0551-65595125/zryang@issp.ac.cn
4	Biophysics/Structural Biology	Senior Researcher	Ph.D	1	High-Level talent program	Protein Structure Analysis	Techniques for transmembrane structural determination and analysis, Protein assembly and electron microscopy, Optical spectroscopy and NMR	Can Xie	18600081469 / canxie@hmfl.ac.cn
5	Biophysics/Structural Biology	Senior Researcher	Ph.D	1	Overseas student	Protein Structure Analysis	Techniques for transmembrane structural determination and analysis, Protein assembly and electron microscopy, Optical spectroscopy and NMR	Can Xie	18600081469 / canxie@hmfl.ac.cn

6	condensed matter physics	Research experience overseas	Ph.D	1	High-Level talent program/Overseas student	Strong magnetic field STM/MFM/AFM/NSOM and their applications	Apply home built cutting edge strong magnetic field STM/MFM/AFM to study local electron state of quantum materials	Qingyou Lu	13003003601/qxl@ustc.edu.cn
7	Biological magnetic resonance imaging	Postdoctor in related fields	PhD	1	Researcher	High field magnetic resonance imaging	Brain science and diseases related magnetic resonance imaging in physical, electronic, life or medical research	Changlin Tian	cltian@ustc.edu.cn
INSTITUTE OF INTELLIGENT MACHINES (IIM)									
1	Plant molecular biology	postdoctor	Ph.D	1	High-Level talent program	plant molecular breeding	Screen and cultivate wheat germplasm resources with high nutrient utilization by bioinformatics and molecular breeding methods	lifang Wu	lfwu@ipp.ac.cn
2	Mechanical Engineering	Three years' overseas experience	Ph.D	1	Research Fellow	advanced manufacturing theory and process	Study the additive manufacturing process and process control, or the theory and technology of precision/ultra precision machining and automation	Kunpeng Zhu	18861134092 zhukp@iamt.ac.cn
INSTITUTE OF HEALTH AND MEDICAL TECHNOLOGY (IHMT)									
1	medicinal chemistry	overseas Post-Doc	Ph.D	1	overseas student	chemical synthesis	Design, synthesis, and preclinical optimization of small molecule inhibitors against major diseases	Qingsong Liu	qslu97@hmfl.ac.cn

2	medicinal pharmacology	overseas Post-Doc	Ph.D	1	overseas student	biomedical research	Systematic study of mechanisms of small molecule compounds in major diseases and discovery of novel drug targets	Qingsong Liu	qslu97@hmfl.ac.cn
3	Cell biology / tumor biology / molecular biology	Post-Doctor or Senior Researcher	Ph.D	2	High-Level talent program	Basic and therapeutic research of tumor	To explore the molecular mechanism of cancer malignant development and progression, and treatment strategy	Zhiyou Fang	0551-65595923 z.fang@cmpt.ac.cn
4	Cell Biology/Immunology/Molecular Biology	Senior Researcher	Ph.D	1	High-Level talent program	Biology of tumor therapy	To explore the biological principles in tumor therapy	Wei HAN	0551-65595100 hanw@hfcas.ac.cn
5	Cell Biology/Immunology/Molecular Biology	At least 3 years experience	Ph.D	2	overseas student	Biology of tumor therapy	To explore the biological principles in tumor therapy	Wei HAN	0551-65595100 hanw@hfcas.ac.cn
6	Neuroimage/Neuroscience	Overseas work/Postdoctoral experience	Ph.D	2	High-Level talent program	Research on Brain Science	Study of brain structure and function	Hai Li	hli@cmpt.ac.cn
7	Medical Image Analysis/Biomedical Engineering	Overseas work/Postdoctoral experience	Ph.D	2	High-Level talent program	Development of Medical Image Analysis Algorithm	Development of computational methods for 3D biomedical image analysis, as well as its applications in clinical diagnosis and follow-up studies of all kinds of diseases.	Hai Li	hli@cmpt.ac.cn
8	Biology/Medicine	Postdoc	Ph.D	1	High-Level talent program	Biomedical research	Undertaking research projects, writing articles and grants independently, assisting PI to supervise students' work	Yan-Yi Jiang	0551-65596050 yanyij@cmpt.ac.cn
9	Biology/Medicine		Ph.D	1	overseas student	Biomedical research	Performing research projects, writing articles and grants under the supervision of PI, and assisting PI to manage the routine work of the lab	Yan-Yi Jiang	0551-65596050 yanyij@cmpt.ac.cn

10	Genomics /Molecular Biology	Postdoc / senior research associate	Ph.D	2~3	High-Level talent program/o verseas student	Cancer epigenetics	Utilize single-cell multiomics to investigate the origin, development and evolution of tumor. Develop technologies for pan-cancer screening and treatment monitoring.	HongCang Gu	gu_hongcang@cmpt.ac.cn
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INSTITUTE OF NUCLEAR ENERGY SAFETY TECHNOLOGY (INEST)

1	Physics/Materials Science and Engineering	Senior Researcher	Ph.D	1	High-Level talent program	AI assisted R&D of materials for advanced nuclear energy systems	Machine learning + multi-scale modeling assisted design and development of materials for advanced nuclear energy systems	Mingjie Zheng	0551-65592237/mingjie.zheng@inest.cas.cn
2	Nuclear science and technology	Senior Researcher	Ph.D	1	overseas student			Size Chen	18949889570/s ize.chen@inest.cas.cn
3	Nuclear science and engineering	Senior Researcher	Ph.D	1	overseas student	Reactor engineering design	According to the engineering requirements of different power, engaged in the physical design, reactor structure design and thermal analysis for small reactor, and put forward various new small reactor design schemes	Taosheng Li	18155169647/t aosheng.li@inest.cas.cn