About Us
Zhongfa Aviation University, funded by Zhejiang Province and the city of Hangzhou, is jointly established by Beihang University and Ecole Nationale de l’Aviation Civile (ENAC). The university is dedicated to multidisciplinary and innovation-oriented education as well as cutting-edge and core technology research. With the goal of becoming a world-class university, ZFAU will stay committed to establishing a new international university model that is modern and forward-thinking. The campus of ZFAU is situated adjacent to Liangzhu Ancient City, a UNESCO World Cultural Heritage site. The picturesque campus is expected to be completed by 2023 and will provide the most conducive environment for students and staff to live and work. In the present preparatory stage, the university operates from an interim campus in the northwest of Hangzhou.

Research Areas
School of Civil Aviation
The School of Civil Aviation focuses on a broad range of research areas including but not limited to space-air-ground integrated network and aeronautical broadband communication, air traffic management and transportation planning, avionics and satellite navigation, general aviation and intelligent operations, and civil aviation finance and regulations.

School of Aerospace
The School of Aerospace focuses on a broad range of research areas including but not limited to transonic aviation aerodynamics and thermodynamics, green aviation and alternative aviation fuels (AAFs), aerospace big data and its environmental and climatic implications, and unmanned/manned general aviation and unconventional aerospace engineering.

School of Informatics
The School of Informatics focuses on a broad range of research areas including but not limited to quantum precision measurement, high-performance quantum computation, artificial intelligence, integrated circuit materials and devices, electronic design automation of integrated circuits, aviation microelectronics, and control science and engineering.

School of Engineering
The School of Engineering focuses on a broad range of research areas including but not limited to high-temperature/ultra-high-temperature materials, high-temperature functional coating, high-temperature corrosion, advanced lightweight materials, advanced composite materials, new energy materials, optoelectronic materials, digital design and manufacturing integration technology, carbon fiber composites manufacturing process, and robot design and control technology.

School of Science
The School of Science focuses on a broad range of research areas including but not limited to new state quantum matter, extreme condition physics, and medical physics.

Essential Qualifications
Applicants should fit one of the four following categories:

Type A (Chair Professor): world-leading scholars.

Type B (Associate Professor/Full Professor): tenured associate professors/full professors at top universities or research institutions, OR exceptional scholars with excellence in academic performance and global academic influence. Applicants should hold a doctoral degree from a top university or research institution.

Type C (Assistant Professor/Associate Professor): Ph.D. graduates from top universities with strong scientific research capabilities and recognised academic potential.

Type D (Postdoctoral Fellow): Ph.D. graduates from top universities with strong scientific research capabilities and recognised academic potential.

Salary, Benefits, and Research Support
Salary and benefits
Each successful applicant will receive an internationally competitive salary (e.g. up to US$77,000 for post-doctors, subsidies included), and a fringe benefit package that includes a rent-free apartment, access to high-quality nursery/primary education for children, etc.

Research support
Successful applicants will be provided with state-of-the-art research platforms, generous research funds, ample laboratory space and excellent office environment, etc. (the establishment of tailored research labs will be strongly supported). Academic freedom and a multicultural work environment will be guaranteed.

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Successful candidates will hold an appointment in one of SKI’s research programs. Candidates may apply to up to two programs. MSK is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment.

Cancer Biology & Genetics
Chair: Scott Lowe, PhD

Cell Biology
Chair (Interim): Xuejun Jiang, PhD

Chemical Biology
Chair: Derek Tan, PhD

Computational & Systems Biology
Chair: Dana Pe’er, PhD

Developmental Biology
Chair: Anna-Katerina Hadjantonakis, PhD

Immunology
Chair: Alexander Rudensky, PhD

Molecular Biology
Chair: John Petrini, PhD

Molecular Pharmacology
Chair: David Scheinberg, MD, PhD

Structural Biology
Chair: Christopher Lima, PhD

AREAS OF BASIC AND TRANSLATIONAL RESEARCH

• Stem Cell Biology
• Developmental Oncology
• Regenerative Medicine
• Machine Learning
• 3D Single-Cell Analytics
• Biophysics & Imaging
• Organelle Biology
• Chromatin & Gene Regulation
• Genome Integrity and Functional Genomics
• Chemistry & Chemical Biology
• Metastasis & Tumor Microenvironment
• Immunity, Host-Microbial Interactions and Microbiomes
• Tumor Immunobiology
• Experimental Therapeutics, Imaging and Bioengineering

RESEARCH AND TRAINING

• 100 research laboratories housed in state-of-the-art buildings
• 26 Core facilities offering cutting-edge scientific services
• More than 900 pre- and postdoctoral trainees
• Appointments in the Gerstner Sloan Kettering Graduate School of Biomedical Sciences and the Weill Cornell Graduate School of Medical Sciences

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The International Center for Young Scientists (ICYS) of the National Institute for Materials Science (NIMS) invites applications for ICYS Research Fellow positions. ICYS will offer you the freedom to conduct independent and self-directed research in various areas of materials science with full access to NIMS advanced research facilities.

The common language at ICYS is English. Clerical and technical support in English will be given by the ICYS staff. An annual salary of approximately 5.35 million yen is guaranteed, which may be increased to a maximum of ~5.88 million yen depending on the performance of the Research Fellow*. In addition, a research grant of 2 million yen per year will be provided to each Research Fellow. The initial contract term is two years, which may be extended for another year depending on one’s performance. Also, advantage is given when applying to NIMS permanent researcher position.

All applicants must have obtained a PhD degree within the last ten years. Applicants should submit an application form including a research proposal during the ICYS term, CV, a list of DOI of journal publications, PDF files of three significant publications, and PhD Certificate to the ICYS Recruitment Desk by September 30, 2021 JST. The format for the application documents can be downloaded from our website. The selection will be made on the basis of originality and quality of the research proposal as well as the research achievements. Please visit our website for more details.

* Approximately 23% of annual salary will be deducted as social insurance premium, residence tax and income tax.

ICYS Recruitment Desk
National Institute for Materials Science
www.nims.go.jp/icys/recruitment/