2020 BNU Faculty and Researchers Recruitment Program of College of Global Change and Earth System Science (Backbone Talents)

Category	Discipline Structure		Responsibilities	Hiring Criteria	Contact	Tel	Email
	First-Level	Second-Level					
Backbone Talents (D2)	Geography	Global Environmental Change: Subject 1: Aerosol, Cloud Physics and Radiation Subject 2: Global Environmental Change Subject 3: Land Surface Energy Balance	**Responsibilities for Subject 1: Aerosol, Cloud Physics and Radiation** 1. Talent training: actively undertake teaching tasks; undertake the task of training postgraduate and doctoral students, and carry out discipline-related research; 2. Research: take targeted efforts to build a distinctive discipline according to the strategic development plan; 3. Team building: actively join competitive scientific research teams; 4. Discipline building: actively carry out international cooperation and exchanges, and strengthen communication with international scientific research institutions. **Responsibilities for Subject 2: Global Environmental Change** 1. Engage in research on Atmospheric Science and Numerical Simulation of Global Environmental Change; 2. Propose innovative ideas, prepare high-level project application, apply for various research projects at all levels and accomplish them with high quality; 3. Participate in earth system model development and application and assist with the development of the Community Atmosphere Model (CAM); and participate in the development and application of Global and Regional Air Pollution Models; 4. Undertake the training and teaching tasks for postgraduates. **Responsibilities for Subject 3: Land Surface Energy Balance** Rebuild the global land surface climate data set with the input of the latest observation data, regular meteorological observation data, satellite remote sensing inversion and model simulation, conduct land surface energy balance change monitoring and attribution study based on the existing data, and analyze the land surface energy balance and climate change feedback mechanism. Publish at least 1 paper on high-level journals every year, and apply for scientific research projects above the province and ministry level during the tenure.	**Hiring criteria for Subject 1: Aerosol, Cloud Physics and Radiation** Meet the BNU hiring criteria for Backbone Talents of D2 level of science and engineering, and achieve international frontier results recognized by peers. **Hiring criteria for Subject 2: Global Environmental Change** Meet the BNU hiring criteria for Backbone Talents of D2 level of science and engineering, and meet the following conditions: 1. With solid knowledge and skills, correct moral values on science and technology, teamwork, hardworking, and rigorous scholarship, and communication and coordination skills; 2. Achieve scientific research results and publish 5 high-quality papers on numerical model as the first author; 3. Acquire a doctoral degree in Atmospheric Physics and Atmospheric Environment, Global Environmental Change, etc.; 4. Independently undertake state-level projects such as the National Natural Science Foundation of China (NSFC) projects, with experience in key model research and development projects, and obtain research results of great value. **Hiring criteria for Subject 3: Land Surface Energy Balance** Meet the BNU hiring criteria for Backbone Talents of D2 level of science and engineering, achieve results recognized by peers, and with the ability to independently carry out teaching and research in atmospheric science.	Liu	010-58807008	lyj@bnu.edu.cn

Category	Discipline Structure		Responsibilities	Hiring Criteria	Contact	Tel	Email
	First-Level	Second-Level					
Backbone foreign teachers for research, performing duties as a full-timer (for 9 months and above each year)	Geography	Global Environmental Change (Marine Biochemistry, Soil Carbon Cycle)	Actively carry out international exchanges and cooperation, participate in the development and analysis of BNU-ESM or undertake research on the carbon cycle and global change, apply for research funding, publish high-level papers, and train excellent postgraduates.	Meet the BNU hiring criteria for Backbone Talents of science and engineering, with 3-5 years of research experience, and publish more than 5 high-level papers.	Liu	010-58807008	lyj@bnu.edu.cn