

## LONG ANNOUNCEMENT

**Assistant or Associate Professor and  
Coordinator of the Core Campus Mass Spectrometry Facility  
Department of Chemistry and Biochemistry  
South Dakota State University**

The Department of Chemistry & Biochemistry is offering an exciting career opportunity as an Assistant or Associate Professor and Coordinator of the Core Campus Mass Spectrometry Facility. We are interested in candidates with research interests in the area of bioanalytical mass spectrometry (protein characterization preferred), interest in multidisciplinary research collaborations that will complement the existing research programs in the Department and at South Dakota State University, and in teaching related to biochemistry and/or analytical chemistry. Demonstrated skills in managing a service laboratory and in building service-user relations are preferred. This is a 12 month, full-time, benefit eligible, tenure-track position which is supervised by the Head of the Department of Chemistry and Biochemistry with an anticipated start date of July 2022.

South Dakota State University promotes access to and opportunities for all to receive the benefit of and participate in education, research, and service and is especially interested in candidates that can contribute to this land-grant mission of access.

### **RESPONSIBILITIES:**

The successful candidate will serve as Coordinator of the Core Campus Mass Spectrometry Facility (CCMSF) and will develop an independently funded research program which, in part, supports this facility. The Coordinator will provide the leadership necessary to keep the operation competitive with core facilities at our peer institutions, to help ensure funding success, as well as promote collaboration with other core facilities on campus to maximize research efforts and provide optimum service. Qualified candidates are expected to possess expertise in small molecule mass spectrometry and/or protein characterization, as well as extensive experience with established mass spectrometry approaches and methods for detailed analysis to support the chemical and biochemical disciplines and the life sciences. Successful candidates will also be expected to teach both graduate and undergraduate courses in the areas of biochemistry and/or analytical chemistry. The specific instructional responsibilities will depend upon the candidate's expertise and may include development of new courses in mass spectrometry, -omics or other areas that strengthen our current curriculum. Along with research and teaching, the incumbent will be required to contribute to the mission of the Department and University, mentor undergraduate and graduate students in research, engage in departmental and university service, and establish both internal and external research collaborations. This position consists of 50% scholarly research, 30% teaching and 20% assigned service as Coordinator of the Core Campus Mass Spectrometry Facility.

**MINIMUM QUALIFICATIONS:**

- PhD in chemistry, biochemistry, or a closely related field completed by first day of employment.
- Evidence of scholarly, professional or creative achievement sufficient for potential to achieve tenure in the Department of Chemistry & Biochemistry at the Professor rank.
- A strong commitment to and demonstrated success towards the advancement of undergraduate and graduate education with an emphasis on excellence in teaching, research and scholarship.
- Experience working with mass spectrometry.
- Ability to communicate effectively with a variety of audiences.
- Demonstrated organizational and time management skills.
- Ability to work as a contributing team member.
- Demonstrated use of technology in managing and/or delivering educational programs.
- Demonstrated ability or potential to plan, develop, implement, and evaluate educational materials and direct effective programs.
- Excellent verbal and written communication as well as strong interpersonal skills.
- Sponsorship is not available for this position, must be authorized to work in the U.S.

**PREFERRED QUALIFICATIONS:**

- Postdoctoral or equivalent experience relevant to this position.
- Demonstrated experience with bioanalytical mass spectrometry.
- Demonstrated leadership skills.
- Demonstrated collaboration in developing funding proposals to support new and/or enhanced research.
- Experience in publishing in peer-reviewed journals.
- To be appointed at the Associate Professor rank, must meet departmental standards and SDBOR policy requirements consistent with the rank of Associate Professor.

**SALARY:**

Commensurate with qualifications.

**BENEFITS:**

South Dakota State University offers a wide range of benefits including medical, dental, and flexible benefits, retirement plans, compensation packages, paid holidays, and vacation leave. Employees also have access to internal and state-sponsored training as well as reduced tuition for state-supported courses at all State of South Dakota academic institutions.

**UNIVERSITY AND THE BROOKINGS COMMUNITY:**

South Dakota State University is the state's largest, most comprehensive university with more than 200 programs and an enrollment of approximately 12,000 students.

SDSU offers a rich academic experience in an environment of inclusion and access through inspired, student-centered education, creative activities and research, innovation and engagement that improve the quality of life in South Dakota, the region, the nation and the world. Its employees embrace the university's core values of being people-centered, expanding knowledge through creativity, embracing organizational and personal integrity, commitment to diversity, and excellence through continuous improvement.

The Department of Chemistry and Biochemistry offers Bachelor of Science degrees in chemistry, biochemistry, and chemistry education, a Master of Science degree in chemistry (MS) as well as with a chemical education specialization, and Doctor of Philosophy degrees in chemistry (PhD) or biochemistry (PhD).

The BS chemistry major meets the certification requirements of the American Chemical Society and the BS in biochemistry is accredited by the American Society for Biochemistry and Molecular Biology. Both majors are excellent preparation for medical, dental, veterinary, or other professional school admission. They provide training for students planning to attend graduate school or work in the chemical or biochemical industries. Students pursuing the chemistry major have the option of developing an emphasis in environmental chemistry or materials science.

The graduate programs in the department lead to the M.S. or Ph.D. degrees in chemistry or a Ph.D. degree in biochemistry. Research programs exist in analytical, biochemistry, chemical education, environmental, organic, and physical chemistry.

As the state's 1862 Morrill Act land-grant institution, the work of the university is carried out on its main resident campus in Brookings, at sites in Sioux Falls, Pierre, Rapid City, and Aberdeen, and through Extension offices and Agricultural Experiment Station research sites across South Dakota.

SDSU was recognized as one of 54 institutions in the United States as an Innovation and Economic Prosperity University by the Association of Public and Land-Grant Universities in 2014. The university's total research expenditures are greater than \$60 million. SDSU is the state's first High Research Activity institution as classified by the Carnegie Foundation for the Advancement of Teaching.

Jackrabbits Athletics competes as an NCAA Division I member with membership in the Missouri Valley Football Conference, the Summit League and the Big XII for wrestling.

Brookings is home to approximately 24,000 residents and is located 60 miles north of Sioux Falls and 200 miles west of Minneapolis. Livability.com rates Brookings as an ideal community for families, students, young professionals and retirees. It considers Brookings among the safest and most vibrant cities in South Dakota.

The Brookings Public School District educates approximately 3,300 K-12 students and ranks among the state's highest academic achieving school districts. The district includes

three elementary schools, an intermediate school for fourth and fifth grade, one middle school and a high school.

The city also boasts an abundance of attractions and activities, including the Children's Museum of South Dakota, Dakota Nature Park, South Dakota Art Museum, McCrory Gardens, South Dakota Agricultural Heritage Museum, Outdoor Adventure Center and the Brookings Summer Arts Festival.

**APPLICATION DEADLINE:**

Position is open until filled with full consideration given to applications received by March 15, 2022.

**APPLICATION PROCESS:**

SDSU accepts applications through an on-line employment site. To apply, visit: <https://yourfuture.sdbor.edu>, search by the position title, view the job announcement, and click on "apply for this job." This system will guide you through the electronic application form. This employment site will also require the attachment of a cover letter, which should specifically address how the candidate meets the qualifications as outlined in the advertisement, Curriculum Vitae, Research and Teaching Statement outlining proposed research and research interests (5 pages maximum) and teaching philosophy (3 pages maximum) attached as Other (8 page maximum document), and a reference page with the contact information for three professional references. Email applications will not be accepted. Please contact SDSU Human Resources at (605) 688-4128 if you require assistance with this process.

Any offer of employment is contingent on the university's verification of credentials and other information required by law and/or university policies, including but not limited to, successful completion of a criminal background check.

South Dakota State University is a tobacco free environment.

It is the policy of the University to maintain a drug-free environment and to thereby establish, promote, and maintain a safe and healthy working and learning environment for employees and students. This position is subject to South Dakota State University's Drug and Alcohol Testing Policy 4:14.

For questions on the position, contact Dr. Brian Logue at (605) 688-6698 or [Brian.Logue@sdstate.edu](mailto:Brian.Logue@sdstate.edu).

South Dakota State University promotes access to and opportunities for all to receive the benefit of and participate in education, research, and service and is especially interested in candidates that can contribute to this land-grant access mission. SDSU is an affirmative action, equal opportunity employer. All qualified applicants will receive consideration without regard to, and SDSU prohibits discrimination on, the basis of, sex, race, color, creed, national origin, ancestry, citizenship, gender, gender identity, sexual orientation, marital status, pregnancy, religion, age, disability, genetic information, veteran's status, or any other status that may become protected in the offering of all educational programs and employment. Arrangements for accommodations required by disabilities can be made by emailing [HR@sdstate.edu](mailto:HR@sdstate.edu). Individuals with concerns regarding discrimination should contact: Equal Opportunity Officer/Title IX Coordinator, Human Resources, Morrill Hall 100, SDSU, Brookings, SD 57007. Phone: (605) 688-4128.

## SHORT ADVERTISEMENT

### Advertisement:

Assistant/Associate Professor (tenure track) in Chemistry and Biochemistry/Coordinator of the Core Campus Mass Spectrometry Facility, Department of Chemistry and Biochemistry, South Dakota State University. South Dakota State University is the state's largest, most comprehensive university with more than 200 programs and an enrollment of approximately 12,000 students. Responsibilities will include 50% scholarly research, 30% teaching and 20% assigned service as Coordinator of the Core Campus Mass Spectrometry Facility. The successful candidate will develop an independently funded research program, will be expected to teach both graduate and undergraduate courses in the areas of biochemistry and/or analytical chemistry, as well as contribute to the mission of the Department and University, mentor undergraduate and graduate students, engage in departmental and university service, and establish both internal and external research collaborations. For a complete listing of the minimum and preferred qualifications, the application deadline, contact information for questions on position, and to apply, visit <https://YourFuture.sdbor.edu>, search for the position, and follow the electronic application process. For questions on the electronic employment process, contact SDSU Human Resources at (605) 688-4128. Learn more about Brookings by visiting <https://www.youtube.com/watch?v=IT8OnH5eIgQ&feature=youtu.be>. The department actively seeks to increase social and intellectual diversity among its faculty and staff. Women, veterans, minorities, and people with disabilities are especially encouraged to apply. South Dakota State University is an AA/EO employer – vets, disability.

## **PER WORD SHORT ADVERTISEMENT**

Assistant/Associate Professor in Chemistry and Biochemistry/Coordinator of the Core Campus Mass Spectrometry Facility, Department of Chemistry and Biochemistry, South Dakota State University. South Dakota State University is the state's largest, most comprehensive university with more than 200 programs and an enrollment of approximately 12,000 students. The successful candidate will serve as Coordinator of the Core Campus Mass Spectrometry Facility (CCMSF) including the development of an independently funded research program, will be expected to teach both graduate and undergraduate courses in the areas of biochemistry and/or analytical chemistry, mentor undergraduate and graduate student research, and establish both internal and external research collaborations. For a full listing of the responsibilities, qualifications, and to apply, visit <https://YourFuture.sdbor.edu>, search for the position, and follow the electronic application process. Full Consideration Deadline: March 15, 2022. For questions on the electronic employment process, contact SDSU Human Resources at (605) 688-4128. South Dakota State University is an AA/EO employer – vets, disability.