

Associate Director for Research Kansas Geological Survey

The Kansas Geological Survey at the University of Kansas is seeking an Associate Director for Research

The Kansas Geological Survey (KGS) seeks an Associate Director for Research (ADR) to provide strategic research leadership that supports the KGS mission, <http://www.kgs.ku.edu/General/staffIndex.html>. The ADR will report to the Director and work collectively with a team of senior-rank academic staff with the primary goal of promoting and advancing research efforts/programs consistent with the KGS mission. The ADR will be responsible for approximately 14 KGS Assistant- and Associate-rank academic and scientific research staff and their research programs. The ADR is expected to align the strengths of current KGS research programs and early career scientists with research trends and new innovative research opportunities. The ADR will convey research visions and opportunities through regular collaborative interactions with research staff both individually and in groups as appropriate. The ADR must promote individual research accomplishments consistent with University expectations of rank-equivalent faculty while nurturing a collaborative and supportive environment. It will be essential that the ADR work with all research staff to seek new and innovative funding opportunities. The ADR also will be expected to lead an externally funded, active research program in an area relevant to the KGS mission and Kansas. The KGS is a research and service division of the University of Kansas, and the successful candidate will have the opportunity to collaborate with KU faculty and students in other departments and research groups.

In a continuing effort to enrich its academic environment and provide equal educational and employment opportunities, the university actively encourages applications from members of underrepresented groups in higher education.

Kansas Geological Survey profile

A research and service division of the University of Kansas, the Kansas Geological Survey studies the geology of Kansas, develops new techniques for exploring and analyzing geologic data, and produces and disseminates maps, reports, and scientific papers. The KGS, created in 1889, has an annual state budget of approximately \$6 million and employs more than 90 scientific researchers and technical support staff, and approximately 35 students, engaged in a variety of disciplines, including geophysics,



The Odyssey Geoarchaeology Research Program searches for evidence of the earliest human presence in the Central Great Plains.

energy resources, geohydrology, sedimentology, stratigraphy, petroleum geology, Quaternary geology, geoarchaeology, GIS and computer science, and public outreach. In addition to core and data repositories at its headquarters in Lawrence, the KGS operates a well-sample library in Wichita that is a repository for rock samples from oil and gas wells drilled in the state.

The KGS is organized into four research areas—energy research, geohydrology, geophysical exploration, and stratigraphic research—and a number of service sections. KGS researchers have available a variety of tools, equipment, and labs for the applied geosciences, including a state-of-the-art shallow seismic-reflection system, ground-penetrating radar, a direct-push unit, three drill rigs, well-logging unit, a distributed temperature sensing system, and electromagnetometers, as well as a core storage facility, the W. Lynn Watney Core Laboratory, a petrophysical core analysis lab, a soil and sediment laboratory, and an analytical chemistry lab. Technical support includes editing, publishing, and cartographic services and full-service support for a diverse array of computing platforms and software, GIS, and web applications. The KGS also houses and operates the Kansas Data Access and Support Center, an important source of state geospatial data. Further information about KGS resources and activities can be found at <http://www.kgs.ku.edu>.



A bungee-assisted weight drop attached to the front of a Bobcat Toolcat (shown here in Galena, Kansas) is one example of active seismic sources used by scientists at the KGS.



A KGS research assistant operates a Geoprobe direct-push rig as part of a DOE-funded project to assess the potential of nuclear magnetic resonance technology for shallow groundwater applications.

KGS scientists are internationally recognized for their work in the applied geosciences. The KGS has a long history of internationally recognized excellence in research, which continues to the present, with staff being honored with awards, distinguished lectures, society fellowships and leadership positions, and acclaimed publications.

<http://www.kgs.ku.edu/General/about.html>

About the University

Founded in 1865, KU is a major public research and teaching institution of 28,500 students and 2,600 faculty on five campuses (Lawrence, Kansas City, Overland Park, Wichita, and Salina). It is a center for learning, scholarship and creative endeavor. Its diverse elements are united by their mission to educate leaders, build healthy communities, and make discoveries that change the world. Since 1909, KU is the only university in Kansas to hold membership in the prestigious Association of American Universities (AAU), a select group of 62 public and private research universities that represent excellence in graduate and professional education and the highest achievements in research internationally. KU's faculty and students are supported and strengthened by endowment assets of more than \$1.44 billion.

KU has more than 60 interdisciplinary research centers and institutes bringing faculty and students together to pursue research, teaching, and community outreach on a broad range of topics. The work they do is aligned with local, national, and global needs and provides direct benefit to individuals, groups, and the public good.

For additional information about the wide-ranging research portfolio at KU, see [http://research.ku.edu/Kansas University Research](http://research.ku.edu/Kansas_University_Research). Additionally, the KU Medical Center is home to a National Cancer Institute-designated KU Cancer Center. There are only 70 such Cancer Centers, distributed over 36 states.

About Lawrence

A city of approximately 95,000, Lawrence is located on a rolling landscape 35 miles west of the major metropolitan area of Kansas City and 20 miles east of Topeka, the state capital. Home to Haskell Indian Nations University as well as KU, Lawrence offers the cultural and athletic events of a university setting. For more information about Lawrence, visit <http://www.lawrence.com>, Unmistakably Lawrence (<https://unmistakablylawrence.com>), and Lawrence Public Schools (<https://www.usd497.org>).



The W. Lynn Watney Kansas Geological Survey Core Laboratory is operated as a service to the people and industry of Kansas. Industrial users include the oil and gas industry, where determining the porosity and permeability of an underground reservoir can help determine the potential productivity of a field.



The KGS Drill Core Library in Lawrence and the Wichita Well Sample Library store core, rock samples, and cuttings for research.



The S-27 RotoSonic drill rig, one of the three deep penetrating drill rigs operated by the Exploration Services section of the KGS.

Responsibilities

70% Mentoring, Research Planning, and Service

- Mentor early-career KGS academic and research staff.
- Identify research trends and new innovative research opportunities that align with KGS strengths and needs for Kansas.
- Work with research staff to seek external funding opportunities and develop proposals.
- Conduct annual performance reviews of Assistant- and Associate-rank KGS academic and research staff as designated by the Director.
- Advise the Director on research-related matters and research directions for the KGS.
- Review all project proposals authored/developed by those who report directly to the ADR before circulation outside KGS.
- Oversee internal technical review of manuscripts authored by KGS researchers in advance of submission.
- Represent the KGS as assigned by the Director.
- Active engagement with professional scientific organizations as judged appropriate by the Director.

30% Research

- Conduct and publish the results of fundamental and applied research of national and international stature with relevance to Kansas in geohydrology, geophysics, petroleum geology, Quaternary geology, sedimentology, or stratigraphy.
- Communicate the results of research in peer-reviewed scientific publications and in presentations to both scientific and the general public.
- Develop successful research proposals for securing external funding.

Qualifications will be evaluated by the content and quality of the written application materials and relevant experience. Oral communication skills will be evaluated by interviews and by reference checks.



KGS and KU geologists and students sample volcanic ash from the active face of the Calvert Ash Quarry in Norton County, Kansas.



The Kansas Geological Survey on the University of Kansas west campus.

Required Qualifications

1. Ph.D. in geosciences or closely related field.
2. Demonstrated management and supervisory experience in scientific programs or organizations.
3. Demonstrated success in geoscience research supported by a strong record of refereed publications.
4. Demonstrated record of success in obtaining external funding through competitive and/or merit-based processes.
5. Demonstrated research experience/interests in subjects relevant to Kansas.
6. Demonstrated excellence in oral and written communication.

Preferred Qualifications

1. Three or more years of supervisory/management experience in scientific programs or organizations with multiple scientific staff direct reports possessing a range of technical expertise.
2. Experience in a research university setting, including management/supervisory experience.
3. Experience working in a public policy setting, including work with legislators, state and local government officials, industry representatives, and the general public.
4. Knowledge of natural resource issues related to Kansas geology.
5. Demonstrated ability to explain technical topics to non-technical audiences, particularly in a public setting.
6. Success in securing external funding from a diverse set of sponsors.

Rank

Position rank will be Associate or Senior Scientist (Faculty-Equivalent Academic Staff), depending on experience and qualifications. Rank will be determined by research and management experience. Additional information in regard to expectations, rank and title is available at: http://www.kgs.ku.edu/General/jobs/KGS_Academic_Promotion_Guidelines.pdf

<http://www.kgs.ku.edu/General/jobs.html>

Application Deadline

Review of applications will begin December 16, 2019, and remain open until filled.

Starting Date

Anticipated start date is March 2, 2020; exact starting date negotiable.

Salary, Employment Status, and Fringe Benefits

Starting salary is commensurate with experience and qualifications. This is a full-time, permanent position with 12-month appointment to an Academic Staff position (Faculty-equivalent at the University of Kansas, <http://policy.ku.edu/provost/unclassified-academic-staff-titles>), subject to annual review. The Associate Director for Research (ADR) reports to the Director of the Kansas Geological Survey at the University of Kansas. Benefits include university staff privileges; sabbatical eligibility; 22 days of vacation leave, 12 days of sick leave, and 9 holidays annually; group medical, life insurance, and retirement program options.

Application Instructions

Apply online at <http://employment.ku.edu/academic/15724BR>. Complete the online faculty (academic staff) data form, and upload the following documents:

1. Cover letter addressing the required and preferred qualifications.
2. Curriculum vitae (with publication record).
3. Names, addresses, telephone numbers, and emails of three professional references.

A complete application will consist of all the material in the application instructions.

Further Information

For further information about the position, or to recommend qualified candidates, contact Rolfe Mandel at mandel@ku.edu or 785-864-2171.

<http://www.kgs.ku.edu>



THE UNIVERSITY OF KANSAS KANSAS GEOLOGICAL SURVEY



\$249.8

million in externally funded research expenditures on all KU campuses in FY2018



1 of 36

U.S. public institutions in the prestigious Association of American Universities



45th

among U.S. public institutions for federally financed research + development expenditures

ABOUT THE UNIVERSITY + KU RESEARCH

Founded in 1865, KU is an R1-rated research university and a member of the Association of American Universities. It has more than 40 graduate programs ranked by U.S. News & World Report; two ranked first in the nation, 11 ranked in the top 10, and 48 in the top 50 among public institutions. KU enrolls 28,500 students and employs nearly 2,900 faculty members across five campuses (Lawrence, Kansas City, Overland Park, Wichita and Salina).

ABOUT THE KANSAS GEOLOGICAL SURVEY

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**Seeking Associate
Director of Research
to join a dynamic
team of researchers,
tech staff and
students at KGS**





THE UNIVERSITY OF KANSAS KANSAS GEOLOGICAL SURVEY



90,000+

Lawrence population



30+

music venues



54

city parks



100+

miles of trails + paths

LIVING IN LAWRENCE

Founded by abolitionists in 1854, Lawrence, Kansas, has carried that tradition of freedom and individuality through the generations. Today, Lawrence remains a crossroads of culture, celebrating the artists and innovators that populate its history and create an unmistakable identity.

The stunning University of Kansas campus is perched atop Mount Oread, overlooking the Kansas River and a vibrant, historic downtown. Lawrence boasts art galleries, museums, boutiques, performance halls, global cuisine, lakes, trails, Division I athletics and proximity to both Topeka (the seat of state government) and Kansas City (home to major corporations, industry partners and an international airport).

Within the past two years, Lawrence has been included on lists for:

- America's 50 best cities to live in
- Best Libraries in Kansas (Lawrence Public Library)
- Best College Towns in America
- Best Must-See Stadiums in America (Allen Fieldhouse)
- 10 of the 20 favorite Kansas-based restaurants

The cost of living in Lawrence is slightly lower than the national average, and Forbes ranks the city among the Best Small Places for Business and Careers.

unmistakablylawrence.com →



**Making discoveries
that change
the world**