

# 1DATA

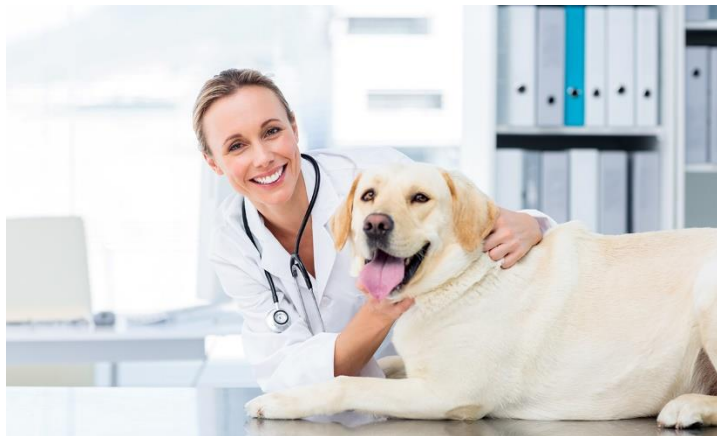
## Partnerships, projects expand under 1Data collaboration

1Data is a unique collaboration by researchers from Kansas State University and the University of Missouri-Kansas City that is designed to help save human and animal lives and improve their quality of life.



The translational research initiative is led by Majid Jaber-Douraki, assistant professor of mathematics at the Institute of Computational Comparative Medicine at Kansas State University; Gerald Wyckoff, professor of molecular biology and biochemistry at the University of Missouri-Kansas City; and Jim Riviere, professor emeritus with the College of Veterinary Medicine at Kansas State University.

Recently, the group partnered with Linda Van Horn and iShare Medical to develop and deliver a clinical decision support tool that can alert medical providers about significant clinical indicators that suggest their patient is likely to have a rare or orphan genetic disease at the start of care. The tool does this by using a data-driven, novel algorithm coupled with Public Key Infrastructure Digital Trust Certificates to create a HIPAA-compliant trust framework for scalable interoperability using a RESTful Fast Healthcare Interoperable Resource Application Program Interface, or a FHIR API.



The project will be submitted for a future Small Business Innovation Research grant for the project.

A new undergraduate student-centric project also is beginning. Students are incorporating location-based toxicology data into the 1Data system so it can be used in conjunction with other 1Data resources to develop a "heat map" of

potential genes affected. From a One Health perspective, this will be useful to look at potential human, companion and farm animal health impacts.

[Click here to learn more about 1Data and current projects.](#)