

# Trupti Joshi

**Bioinformatics scientist Dr. Trupti Joshi puts resources into the hands of fellow researchers at the University of Missouri — and beyond.**

Joshi's expertise is in the area of bioinformatics — collecting and analyzing complex biological data such as genomic codes — and its applications to biology and medicine. She has rigorous interdisciplinary training, with degrees in bioinformatics and clinical medicine. As director of translational bioinformatics with the School of Medicine's Medical Research Office, Joshi leads and coordinates collaborations with clinicians and research faculty. Together, they work to advance personally customized healthcare tailored to individual patients through innovations in information technologies.

Among her successes, Joshi was part of an international team that successfully mapped the genome of the soybean, a huge undertaking that generated a large amount of valuable genomic data. She was also lead designer and developer of the Soybean Knowledge Base (SoyKB), a comprehensive web resource that allows useful access to a growing body of genomic data generated by scientists from all over the world. Today, more than 1,000 researchers access SoyKB each month.

Dr. Trupti Joshi is an assistant research professor in the Department of Molecular Microbiology and Immunology in the School of Medicine and the Department of Computer Science in the College of Engineering and a core faculty member in the MU Informatics Institute.

