



Opening for Research Scientist (Seoul, South Korea)

[PhAST](#) is a Boston-based, venture-backed AI healthcare startup developing computer vision technology to help tackle the global public healthcare threat of antibiotic resistance. Our platform provides clinical decision support for doctors, workflow improvement for hospitals, and helps accelerate the drug development process for pharmaceutical companies. The Company is headquartered in the biotech innovation hub of Boston (USA), with a Data Sciences team based in Zurich (Switzerland) and an R&D site for clinical work in Seoul (South Korea).

Job Description. We are looking for a reliable and solution-oriented full-time Research Scientist to lead our Korean microbiology team. The successful candidate must be skilled in wet lab work and passionate about developing innovative AI diagnostic technology in an early-stage startup. This opening is for a position in Bundang, South Korea.

Essential Duties and Responsibilities include:

- Spearhead design and development of PhAST's imaging-based, live-cell assays for bacterial identification and antibiotic susceptibility testing
- Design pilot experiments to explore and develop additional uses of PhAST's technology
- Help develop and support management of studies with outside collaborators
- Execute experiments and analysis both alone and in collaboration with Research Associates and Data Scientists
- Contribute to design and to perform standard operating procedures
- Contribute to design and to perform quality controls of assays, media, etc.
- Oversee and help perform routine laboratory maintenance tasks (cleaning, equipment maintenance)
- Manage laboratory inventory
- Communicate results and research progress during team and departmental meetings
- Contribute writing and literature research to grants, presentations, and papers

Desired Experience and Qualifications

- PhD in microbiology, molecular biology, or related field
- Substantial experience with antibiotic resistance mechanisms, bacterial metabolism and/or bacterial physiology.
- Fluency in wet lab practices, particularly in relation to culturing bacteria (experience with BSL2 pathogens a plus)
- Experience with clinical microbiology, particularly on urine and blood samples, a plus
- Fluency and confidence designing and executing experimental programs and pilots (familiarity with Design of Experiments a plus)
- Experience with data analysis and statistical methods, including data visualization (familiarity with MatLab, Python/SciPy ecosystem, etc.) a plus

- Experience with microscopy and image analysis (familiarity with phase contrast, live cell imaging, and/or ImageJ or similar a plus)
- Excellent organizational skills and documentation practices
- Clear presentation style, comfort communicating with team members with diverse first languages
- Experience working with microfluidic devices desired

PhAST offers a fast-paced and highly collaborative environment with a world-class multidisciplinary team, committed to help solve one of today's most urgent healthcare challenges.

The position is available immediately. Salary and equity compensation will be commensurate with experience. The candidate must be legally eligible to work in South Korea.

If interested, please email your resume and a cover letter to careers@phast.ai.