

TechConnect Ventures
Sprint Challenge Brief:
AI Tools To Enhance Medical Diagnostics

BACKGROUND

The healthcare industry increasingly uses deep learning methods for myriad tasks including patient engagement and adherence, administrative activities, and diagnosis and treatment. Offering many advantages over traditional clinical decision-making techniques, users can tune and test machine learning algorithms to provide more accurate, targeted care and diagnostics. For example, radiologists use image recognition for improved detection of a small set of illnesses, and the potential for AI to go beyond this application is vast.

This sprint will identify technologies that offer innovation in the application of AI to medical diagnostics to provide more accurate diagnosis that could lead to improved treatments and outcomes. We welcome submissions and novel concepts from individuals and organizations at all technology readiness levels (TRLs), including the academia, research, commercial and government sectors.

We encourage solvers submitting an entry to highlight key innovation areas in their submission that speak to the following:

- Image analysis and interpretation for improved detection of disease (e.g. x-ray, MRI, CT scans etc.),
- Risk models and survival estimators for disease,
- Determination of patient prognosis,
- Treatment effect predictors,
- Extraction of information from medical reports,
- Obtaining representative training data, and/or
- Integration of AI software directly into imaging equipment

BUSINESS OPPORTUNITY FOR SOLVERS

TechConnect Ventures will include all complete and eligible entries in an exclusive innovation opportunity report that we will present to our consortium of innovation-seeking clients and partners. Our clients may also contact solvers with well-matched capabilities directly to discuss potential partnership opportunities. We will invite top-rated entries to register or participate in an upcoming TechConnect Ventures event or pitch program.

PARTICIPATION RULES & GUIDELINES

Solvers are encouraged to review the [Rules](#) and [Guidelines](#) provided on the Sprint page for details about participation, including submission criteria, eligibility information, and more.

QUESTIONS? Contact us at challenge@techconnectventures.com