



Center for Precision Medicine

IMAGINE

Imagine targeted cancer therapies tailored to each patient's genomic fingerprint, lifestyle and preferences to maximize effectiveness and minimize side effects. Imagine a neighborhood with an unusually high asthma rate working with researchers to share personal and geographic data that ultimately reshape environmental policy. Now imagine health science fiction coming to life in your own home as mobile diagnostic tools help scan patient data, send it directly to your doctor's office and accurately predict response to customized treatments—all in a matter of minutes. Possibilities like these are just a few ways UC Davis' Precision Medicine initiative could touch every life.

THE VISION

UC Davis is spearheading an innovative paradigm at the intersection of people and population, environmental and biological markers, and behavioral and mental health. The Center for Precision Medicine will assemble unique, cross-disciplinary teams to solve intractable challenges, ask bold new questions and propel research from bench to bedside and back again. We will empower patients and communities as partners in their own wellness, train the next generation of data-fluent health professionals and join these groups in tackling the ethical and social implications that come with this rapidly evolving model.

THE PHILANTHROPIC OPPORTUNITY

- Create powerful, diverse teams that revolutionize genomics, patient experience and public health via start-up funding for pilot studies and multi-disciplinary projects
- Fuel leading-edge training with Big Data analytics architecture and critical technology upgrades
- Endow a directorship and six faculty positions who embrace team science and work at the interface of disciplines

Together, we will make individual and population health more predictive, preventative, personalized and participatory. We invite the partnership of our alumni and friends in enabling the hope and promise of precision medicine to reach patients and communities around the world.

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