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Stanford-Coulter program awards grants to five research teams

Five research teams that will use bioengineering methods to tackle clinical problems have received a total of \$480,000 in seed grant funds from the [Wallace H. Coulter Translational Research Grant Program](#) at Stanford.

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» [Six research teams receive Coulter grants](#)

Now in its fifth year, the Stanford-Coulter program bridges the gap between clinical needs and engineering solutions. To qualify for funding, teams must include a physician and an engineer.

Stanford-Coulter program director [Ari Chaney](#), MBA, said the strength of Stanford's medical and engineering faculty, combined with the input of Silicon Valley venture capitalists, increases the likelihood of success for the funded projects.

"The combination of having a bioengineering P.I. and a clinical faculty P.I. is very powerful for life science translation and innovation," Chaney said. "The Coulter program also has a strong focus on translating science into products and services that impact patients within three to five years from initial funding, which makes it very tangible and high-impact."

The five projects and the researchers receiving the 2010 grants are:

- Engineered receptor tyrosine kinase decoys for treatment of metastatic ovarian cancer—[Jennifer Cochran](#), PhD, assistant professor of bioengineering, and [Amato Giaccia](#), PhD, professor of radiation oncology.
- Rapid quantification of joint health from MRI—[Scott Delp](#), PhD, professor of bioengineering, and [Garry Gold](#), MD, associate professor of radiology.
- A device to reverse overload in heart failure—[Jeffrey Feinstein](#), MD, associate professor of pediatric cardiology, and [Stanley Rockson](#), MD, professor of cardiovascular medicine.
- Minimally invasive treatment for hemorrhoids—[Kim Butts Pauly](#), PhD, professor of radiology, and [Thomas Krummel](#), MD, professor and chair of surgery.
- A modular, minimally invasive surgical system—Delp and Krummel.

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