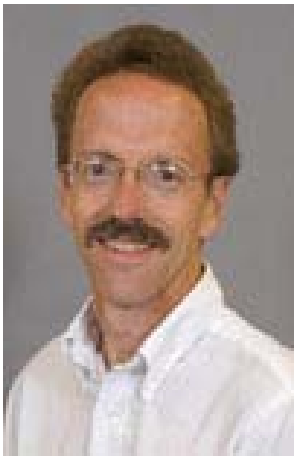
METAL STENT COATING



TECHNICAL FIELD
Medical Device

APPLICATION
Blood clotting, inflammation, and re-narrowing of the artery are major biocompatibility issues facing metal stent placement. The device is a protein coating for metal stents that limits each of these deleterious processes.

DESCRIPTION

This invention is a protein coating for metal stents. The coating serves to reduce the major biocompatibility issues faced by metal stent insertion.

This stent coating has been shown to inhibit clotting and thrombosis, potentially eliminating the need for long-term administration of anti-coagulant drugs. Experiments are ongoing to determine if the coating reduces restenosis and inflammation as expected.

The invention addresses a major negative biological response to stent placement. Pending results, the coating is expected to minimize all three main negative responses to stent insertion. The coating is expected to significantly improve the long-term prognosis for stent placement.

ADVANTAGES
- **Anti-coagulant activity limits clot formation**
- **Expected to inhibit neointimal proliferation will reduce restenosis**
- **Expected to abate local inflammation**

INVENTOR
Dr. Terry Kirley, PhD
Professor, Dept. of Pharmacology and Cell Biophysics

STATUS
US provisional patent application pending

CONTACT
Kellen Sensor, MS/MBA
Licensing Associate
kellen.sensor@uc.edu
513-558-5621