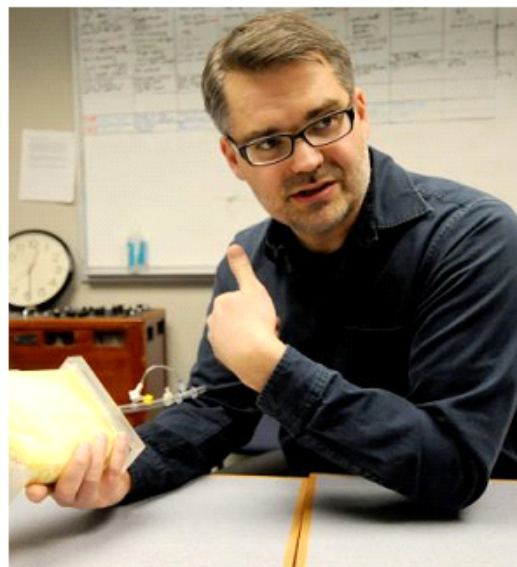


Keith E. Cook, Associate Professor

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Professor Keith Cook's research applies biomedical engineering to cardiac and pulmonary diseases. His laboratory's goal, therefore, is to generate new devices, treatment strategies, and diagnostic tools and translate them to the clinic.

Current research projects in his group include thoracic artificial lungs (right), perfluorocarbon emulsions for pulmonary drug delivery, new biomaterial approaches for reducing coagulation at artificial surfaces, and PET-based diagnostic tools for right ventricular dysfunction. Of note, his laboratory was the first to produce 24 hour, week, and 30-day in vivo studies of thoracic artificial lungs, and his group is working on a artificial lung intended as destination therapy for years of respiratory support. Professor Cook currently serves as an editor of the American Society of Artificial Internal Organs Journal.

