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BME People

Stephen Hanson

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Current Appointments

Professor
Department of Biomedical Engineering

Office

Primary Office at Center for Health and Healing
3303 SW Bond Avenue
Mail code: CH13B
Rm #13000
Portland, OR 97239

Education

Master's Degree - Stanford University
Doctorate - University of Washington

Department(s)

Biomedical Engineering

Biography

Stephen Hanson, Ph.D., comes to OGI from Atlanta's Emory University, where he was a professor of biomedical engineering and an adjunct professor of medicine. Operated jointly with Georgia Institute of Technology, Emory's biomedical engineering department is ranked by US News & World Report as sixth in the nation and fifth in terms of funding from the National Institutes of Health.

A 53-year-old Montana native, Hanson has had a dual interest in medicine and technology throughout his career. A specialist in developing devices and therapies to treat conditions of the blood and circulatory system, he has authored or coauthored 180 research papers, delivered more than 200 conference presentations and held numerous advisory positions on scientific and government boards. He holds 16 patents and has founded three companies to commercialize the results of his research.

[Read more](#) about Stephen Hanson in the OHSU Outlook News Release

Research Interests

Thrombosis and vascular healing responses are being evaluated in animal models to identify key hemostatic mechanisms, blood component interactions with natural and synthetic surfaces and the effects of blood-flow phenomena. Our ultimate goals are to develop more effective antithrombotic and antiarteriosclerotic drug therapies, and to improve the performance of prosthetic cardiovascular devices.

Research Project(s)

Thrombosis and Hemostasis

Research Group(s)

Cardiovascular and Blood Research



Selected Publications

Gruber AG, Hanson SR: Factor XI-dependent of surface- and tissue factor-initiated thrombus propagation in vivo. Blood 102:953-955, 2003.

Hanson SR: Blood coagulation and blood-materials interactions. In: Biomaterials Science, 2nd Edition (Ratner BD, Hoffman AS, Schoen FJ, Lemons JE, Eds), Academic Press, New York, NY; in press, 2003.



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