

PAST RECIPIENTS OF THE INVENTOR OF THE YEAR AWARD

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2008- DR. STEPHEN F. BADYLAK University of Pittsburgh TISSUE ENGINEERING	2017 – DR. SHYAM V. DIGHE Aquasource Technologies Corporation SYSTEM AND METHOD FOR WATER TREATMENT

PITTSBURGH INTELLECTUAL PROPERTY LAW ASSOCIATION

INVENTOR OF THE YEAR AWARD 2018 Dr. William R. Wagner

(12) United States Patent El-Kurdi et al.	(10) Patent No.: US 9,237,945 B2 (45) Date of Patent: Jan. 19, 2016																																																																																						
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> (54) BIOERODIBLE WRAPS AND USES THEREFOR (75) Inventors: Mohammed S. El-Kurdi, Pittsburgh, PA (US); Yi Hong, Pittsburgh, PA (US); Lorenzo Soletti, Pittsburgh, PA (US); John J. Stankus, Campbell, CA (US); David A. Vorp, Pittsburgh, PA (US); William R. 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(21) Appl. No.: 12/022,430 (22) Filed: Jan. 30, 2008 (65) Prior Publication Data US 2008/0208323 A1 Aug. 28, 2008 (Continued)																																																																																							
(60) Provisional application No. 60/898,356, filed on Jan. 30, 2007. (51) Int. Cl. A61F 2/06 (2013.01) D01D 5/00 (2006.01) A61L 27/38 (2006.01) A61L 27/36 (2006.01) A61L 27/50 (2006.01) A61L 27/34 (2006.01) A61L 27/54 (2006.01) A61L 27/58 (2006.01) C12N 5/00 (2006.01) U.S. CL																																																																																							
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(58) Field of Classification Search None See application file for complete search history.																																																																																							
(56) References Cited U.S. PATENT DOCUMENTS 5,813,167 A 9/1998 Hoshino et al. 6,036,702 A 3/2000 Bachinski et al. 6,165,212 A 12/2000 Dereume et al. 6,187,038 B1 2/2001 Sullivan et al.																																																																																							
FOREIGN PATENT DOCUMENTS CN 1491728 A 4/2000 JP 2004525272 A 8/2004 (Continued)																																																																																							
OTHER PUBLICATIONS Moritz et al Artificial Organs 1990 14:394-398.* (Continued)																																																																																							
(74) Attorney, Agent, or Firm -The Webb Law Firm (57) ABSTRACT A tubular tissue graft device is provided comprising a tubular tissue and a restrictive fiber matrix of a bioerodible polymer about a circumference of the tubular tissue. The matrix may be electrospun onto the tubular tissue. In one embodiment, the tubular tissue is from a vein, such as a saphenous vein, useful as an arterial graft, for example and without limitation, in a coronary artery by pass procedure. Also provided is method of preparing a tubular graft comprising depositing a fiber matrix of a bioerodible polymer about a perimeter of a tubular tissue to produce a tubular tissue graft device. A cardiac bypass method comprising bypassing a coronary artery with a tubular tissue graft device comprising a vein and a restrictive fiber matrix of a bioerodible polymer about a circumference of the vein also is provided.																																																																																							
83 Claims, 24 Drawing Sheets																																																																																							



**PITTSBURGH INTELLECTUAL PROPERTY
LAW ASSOCIATION**

**April 18, 2018
Program**

5:15 PM – Cash Bar

6:00 PM – Dinner

Call Meeting to Order – 7:00 PMChip Dougherty

Election of 2018-2019 Officers
and Board of ManagersClay P. Hughes

Gavel to elected President 2018-2019.....Chip Dougherty

Presentation of 2018 Inventor of the Year AwardTracey Beiriger
.....Jesse A. Hirshman

Inventor of the Year Award Recipient***Dr. William R. Wagner***

Presentation of Leadership AwardAnthony W. Brooks

2018 Student Leadership Award Recipients:

Duquesne University***Nicole D. Prieto***

University of Pittsburgh***David A. Rodkey***

Close Meeting - 8:00 PMChip Dougherty

**Tri State Area
2018 INVENTOR OF THE YEAR
Dr. William R. Wagner**

Dr. William R. Wagner holds well over 10 issued patents and has many patent filings in the field of cardiovascular biomaterials, medical devices, imaging and tissue engineering. Five of his patents have been licensed and Dr. Wagner co-founded a company that has raised over \$30M in funding to date and initiated clinical trials in Europe around an invention that creates a temporary elastic support system around veins prior to their use as arterial grafts in coronary artery bypass surgery.

Dr. Wagner has invented a series of new biomedical materials focused on biodegradable, elastic polymers that can be used to slow the dilatation of the heart following heart attack as well as other applications such as creating cardiac valves.

Dr. Wagner and his co-inventors have also created new ultrasound contrast agents to allow targeted imaging and new therapeutic delivery options. The McGowan Institute, which Dr. Wagner directs, has been a leader in the commercialization of medical device and regenerative medicine technologies and has made an international impact on healthcare with their development of circulatory assist devices (including the current most commonly implanted ventricular assist device), pulmonary assist devices, and extracellular matrix based materials for regenerative repair and healing.