

## International Patents

**Title: Method for Producing Biomaterial Scaffolds**

*Inventors:* Kaplan, David L., Concord, MA 01742-2055 (US)  
Wong, Peter Y., Brighton, MA 02135-2624 (US)  
*Applicant:* Trustees of Tufts College, Medford, MA 02155 (US)  
*Patent Number:* WO 2006/042287 A2

**Title: Novel Methods for the in-vitro Identification, Isolation and Differentiation of Vasculogenic Progenitor Cells**

*Inventors:* Gerecht-Nir, Sharon, 34678 Haifa (IL)  
Itskovitz-Eldor, Joseph, 34987 Haifa (IL)  
*Applicant:* Technion Research & Development Foundation Ltd., 32000 Haifa (IL)  
*Patent Number:* WO 2006/040755 A2

**Title: Lactam Polymer Derivatives**

*Inventors:* Arnold, Stephen C., Flanders, NJ 07836 (US)  
Laredo, Walter R., Hillsborough, NJ 08844 (US)  
*Applicant:* Johnson & Johnson Vision Care, Inc., Jacksonville, FL 32256 (US)  
*Patent Number:* WO 2006/039276 A2

**Title: Methods for Making and Using Composites, Polymer Scaffolds, and Composite Scaffolds**

*Inventors:* Riley, Susan Lynn, San Diego, CA 92121 (US)  
Tai, Joseph, San Diego, CA 92121 (US)  
Dabkowski, Rhiannon, San Diego, CA 92121 (US)  
Moser, Rodney, San Diego, CA 92121 (US)  
Hedrick, Marc, Encinitas, CA 92024 (US)  
Moseley, Timothy Alexander, Solana Beach, CA 92075 (US)  
*Applicant:* Cytori Therapeutics, Inc., San Diego, CA 92121 (US)  
*Patent Number:* WO 2006/039129 A2

**Title: Tissue-Engineering Scaffolds Containing Self-Assembled-Peptide Hydrogels**

*Inventors:* Harris, Ian Ross, Belle Mead, NJ 08502 (US)  
Harmon, Alexander M., Clinton, NJ 08890 (US)  
Brown, Laura J., Hamilton Square, NJ 08690 (US)  
Gosiewska, Anna, Skillman, NJ 08556 (US)  
*Applicant:* Ethicon, Inc., Somerville, NJ 08876 (US)  
*Patent Number:* WO 2006/036826 A2

**Title: Multifunctional Supramolecular Hydrogels as Biomaterials**

*Inventors:* Xu, Bing, Kowloon, Hong Kong (CN)  
Yang, Zhimou, Kowloon, Hong Kong (CN)  
Xu, Keming, Kowloon, Hong Kong (CN)  
*Applicant:* The Hong Kong University of Science and Technology, Kowloon, Hong Kong (CN)  
*Patent Number:* WO 2006/037113 A2

## United States Patents

**Title: Device for Tissue Engineering**

*Inventors:* Shuvo Roy, Shaker Heights, OH  
George F. Muschler, Cleveland Heights, OH  
Aaron J. Fleischman, University Heights, OH  
Alvaro Mata, Chicago, IL  
*Assignee:* The Cleveland Clinic Foundation  
*Patent Number:* US 2006/0229735 A1

**Title: Drug Releasing Biodegradable Fiber for Delivery of Therapeutics**

*Inventors:* Kevin D. Nelson, Arlington, TX  
Brent B. Crow, Fort Worth, TX  
*Assignee:* Board of Regents, The University of Texas System  
*Patent Number:* US 2006/0193769 A1

**Title: Method for Creating an Internal Transport System within Tissue Scaffolds Using Computer-Aided Tissue Engineering**

*Inventors:* Wei Sun, Cherry Hill, NJ  
Jae Hyun Nam, Broomall, PA  
*Patent Number:* US 2006/0195179 A1

**Title: Engineering Vascularized Muscle Tissue**

*Inventors:* Shulamit Levenberg, Haifa (IL)  
Jeroen Rouwkema, Wageningen (NL)  
Robert S. Langer, Newton, MA  
*Patent Number:* US 2006/0198827 A1

**Title: Porous Ceramic Composite Bone Grafts**

*Inventors:* Timothy J.N. Smith, Ontario (CA)  
Jason Hendry, Ontario (CA)  
Sydney M. Pugh, Ontario (CA)  
Reginald Smith, Ontario (CA)  
*Patent Number:* US 2006/0198939 A1

**Title: Porous Fiber, Porous Fiber Structure and Method for Production Thereof**

*Inventors:* Takanori Miyoshi, Yamaguchi (JP)  
Shinya Komura, Yamaguchi (JP)  
Hiroyuki Minematsu, Yamaguchi (JP)  
*Assignee:* Teijin Limited  
*Patent Number:* US 2006/0204750 A1

**Title: Simple and Rapid Derivation of Functional Hepatocytes from Human Bone Marrow-Derived Mesenchymal Stem Cells**

*Inventors:* Kuan-Der Lee, Chiayi City (TW)  
Jacqueline Whang-Peng, Taipei City (TW)  
*Patent Number:* US 2005/0233449 A1

**Title: Rapid Preparation of Stem Cell Matrices for Use in Tissue and Organ Treatment and Repair**

*Inventors:* Michael B. Chancellor, Pittsburgh, PA  
Johnny Huard, Wexford, PA  
Christopher Capelli, Kenosha, WI  
Steve Chung, Pittsburgh, PA  
Michael S. Sacks, Pittsburgh, PA  
*Assignee:* University of Pittsburgh, Pittsburgh, PA  
*Patent Number:* US 2005/0220775 A1

**Title: Vascularized Tissue Graft**

*Inventors:* Wayne A. Morrison, Hawthorn (AU)  
Aurora Messina, Eltham North (AU)  
Kenneth R. Knight, Mount Waverly (AU)  
Anthony J. Pennington, Hawthorn (AU)  
*Patent Number:* US 2005/0056291 A1

**Title: Method for Tissue Grafting**

*Inventor:* Peter M. Bonutti, Effingham, IL  
*Assignee:* Bonutti 2003 Trust-A, Effingham, IL  
*Patent Number:* US 6,860,904 B2

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## European Patents

**Title: Stress-Related Polynucleotides and Polypeptides in Plants**

*Inventors:* Reuber, T. Lynne, San Mateo, CA 94402 (US)  
Riechmann, Jose Luis, Pasadena, CA 94101 (US)  
Heard, Jacqueline E., San Mateo, CA 94402 (US)  
Jiang, Cai-Zhong, Fremont, CA 94555 (US)  
Adam, Luc J., Hayward, CA 94545 (US)  
Dubell, Arnold N., San Leandro, CA 94578 (US)  
Ratcliffe, Oliver, Oakland, CA 94606 (US)  
Pineda, Omaira, Vero Beach, FL 32960 (US)  
Yu, Guo Liang, Berkeley, CA 94705-1531 (US)  
Broun, Pierre E., San Mateo, CA 94402 (US)  
*Applicant:* Mendel Biotechnology, Inc., Hayward, CA 94545 (US)  
*Patent Number:* EP 1 420 630 A2

**Title: An Implantable and Sealable System for Unidirectional Delivery of Therapeutic Agent to Targeted Tissues**

*Inventors:* De Carvalho, Ricardo A.P., Baltimore, MD 21287-9237 (US)  
Murphree, A. Linn, Baltimore, MD 21287-9237 (US)  
Schmitt, Ed, Palo Alto, CA 94036 (US)  
*Applicant:* De Carvalho, Ricardo A.P., Baltimore, MD 21287-9237 (US)  
Murphree, A. Linn, Baltimore, MD 21287-9237 (US)  
Schmitt, Ed, Palo Alto, CA 94036 (US)  
*Patent Number:* EP 1 420 716 A1

**Title: Resorbable Prosthesis for Medical Treatment**

*Inventor:* Summers, David P., Montgomery, TX 77356 (US)  
*Applicant:* Endovasc Ltd., Inc., Montgomery, TX 77356 (US)  
*Patent Number:* EP 1 420 718 A2

**Title: Expandable Medical Device for Delivery of Beneficial Agent**

*Inventors:* Shanley, John F., Redwood City, CA 94061 (US)  
Eigler, Neal L., Pacific Palisades, CA 90272 (US)  
Park, Kinam, West Lafayette, IN 47906 (US)  
Edelman, Elazer R., Brookline, MA 02445 (US)  
*Applicant:* Conor Medsystems, Inc., Palo Alto, CA 94303 (US)  
*Patent Number:* EP 1 420 719 A1

**Title: Maintaining an Open Passageway through a Body Lumen**

*Inventors:* Rioux, Robert F., Ashland, MA 01721 (US)  
O'Keefe, Christopher R., Holliston, MA 01746 (US)  
*Applicant:* Scimed Life Systems, Inc., Maple Grove, MN 55311-1566 (US)  
*Patent Number:* EP 1 420 720 A2

**Title: Hybrid Balloon Expandable/Self-Expanding Stent**

*Inventors:* Bashiri, Mehran, San Carlos, CA 94070 (US)  
Davis, Michael L., Shorewood, MN 55331 (US)  
*Applicant:* Boston Scientific Limited, St. Michael, Barbados, West Indies (BB)  
*Patent Number:* EP 1 420 721 A1

**Title: Three-Dimensional Annuloplasty Ring and Template**

*Inventors:* McCarthy, Patrick M., Hunting Valley, OH 44022 (US)  
Rhee, Richard S., Diamond Bar, CA 91765 (US)  
Schreck, Stefan G., Vista, CA 92093 (US)  
*Applicant:* Edwards Lifesciences Corporation, Irvine, CA 92614 (US)  
*Patent Number:* EP 1 420 723 A1

**Title: Compositions and Methods Relating to the Daptomycin Biosynthetic Gene Cluster**

*Inventors:* Miao, Vivian Pak Woon, Surrey, British Columbia V4P 2B7 (CA)  
Brian, Paul, Waltham, MA 02451 (US)  
Baltz, Richard H., Lincoln, MA 01773 (US)  
Coeffet-Legal, Marie Françoise, Arlington, MA 02474 (US)  
*Applicant:* Cubist Pharmaceuticals, Inc., Lexington, MA 02421 (US)  
*Patent Number:* EP 1 421 097 A2

**Title: Hyperverzweigtes Amylopektin zum Einsatz in Verfahren zur chirurgischen oder therapeutischen Behandlung von Säugern oder in Diagnostizierverfahren, insbesondere zur Verwendung als Plasmavolumen-expander**

*Inventor:* Sommermeyer, Klaus, 61191 Rosbach v.d.H. (DE)  
*Applicant:* Supramol Parenteral Colloids GmbH, 61191 Rosbach-Rodheim (DE)  
*Patent Number:* EP 1 421 120 A1