

## Tissue Scaffolds

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### Recent Publications on Tissue Scaffolds:

- [Design and Applications of Biodegradable Polyester Tissue Scaffolds Based on Endogenous Monomers Found in Human Metabolism.](#)  
*Synthetic polyesters have deeply impacted various biomedical and...*20th November, 2009  
Department of Chemistry and Carolina Center for Genome Science, University- *Molecules*. 2009 Oct 12;14(10):4022-4050. ([DOI Direct Link](#))
- [On the Determination of Darcy Permeability Coefficients for a Microporous Tissue Scaffold.](#)  
*Structural characterization of porous tissue scaffolds is challenging due...*20th November, 2009  
1 National Physical Laboratory , Teddington, United Kingdom .- *Tissue Eng Part C Methods*. 2009 Nov 18. ([DOI Direct Link](#))
- [Cartilage outgrowth in fibrin scaffolds.](#)  
*BACKGROUND: Fibrin glue has been a favorable hydrogel in cartilage tissue...*18th November, 2009  
University of California, San Diego School of Medicine, Division of- *Am J Rhinol Allergy*. 2009 Sep-Oct;23(5):486-91. ([DOI Direct Link](#))
- [Fabrication and properties of the electrospun polylactide/silk fibroin-gelatin composite tubular scaffold.](#)  
*In this study, a tubular scaffold composed of polylactide fibers (outside...*18th November, 2009  
College of Textile and Clothing Engineering, Soochow University, Suzhou- *Biomacromolecules*. 2009 Aug 10;10(8):2240-4. ([DOI Direct Link](#))
- [From stem cells and cadaveric matrix to engineered organs.](#)  
*The definitive treatment for end-stage heart failure, organ transplant, is...*17th November, 2009  
Center for Cardiovascular Repair, University of Minnesota, 312 Church- *Curr Opin Biotechnol*. 2009 Nov 12. ([DOI Direct Link](#))
- [p38 MAPK mediated in compressive stress-induced chondrogenesis of rat bone marrow MSCs in 3D alginate scaffolds.](#)  
*Mesenchymal stem cells (MSCs) are well known to have the capability to...*17th November, 2009  
State Key Laboratory of Oral Diseases, West China College of Stomatology,- *J Cell Physiol*. 2009 Dec;221(3):609-17. ([DOI Direct Link](#))
- [OPLA scaffold, collagen I, and horse serum induce an higher degree of myogenic differentiation of adult rat cardiac stem cells.](#)  
*In the last few years, a major goal of cardiac research has been to drive...*17th November, 2009  
Department of Experimental Medicine, Human Anatomy Section, University of- *J Cell Physiol*. 2009 Dec;221(3):729-39. ([DOI Direct Link](#))
- [A bioabsorbable collagen nerve cuff \(NeuraGen\) for repair of lingual and inferior alveolar nerve injuries: a case series.](#)

- The definitive treatment for end-stage heart failure, organ transplant, is...*5th November, 2009  
- J Oral Maxillofac Surg. 2009 Nov;67(11):2550-1. ([DOI Direct Link](#))
- [Mineralized tissue formation by BMP2-transfected pulp stem cells.](#)  
*Previously, in vitro differentiation of odontoblasts was shown for dental...*30th October, 2009  
Key Lab for Oral Biomedical Engineering of Ministry of Education and- J Dent Res. 2009  
Nov;88(11):1020-5. ([DOI Direct Link](#))
  - [Collagen-based matrices improve the delivery of transplanted circulating progenitor cells: development and demonstration by ex vivo radionuclide cell labeling and in vivo tracking with positron-emission tomography.](#)  
*BACKGROUND: Collagen delivery matrices have been reported to improve the...*21st October, 2009  
Division of Cardiac Surgery, University of Ottawa, Ottawa, Canada.- Circ Cardiovasc Imaging. 2008  
Nov;1(3):197-204. ([DOI Direct Link](#))
  - [Special segment: soft tissue matrices--soft-tissue augmentation of the foot and ankle using an acellular regenerative tissue scaffold.](#)  
*Surgical treatment of damaged soft-tissue structures in the young and...*15th October, 2009  
Foot and Ankle Center at Coordinated Health, Bethlehem, Pennsylvania, USA.- Foot Ankle Spec. 2009  
Oct;2(5):240-4. Epub 2009 Sep 1. ([DOI Direct Link](#))
  - [Synchrotron X-ray microtomography for assessment of bone tissue scaffolds.](#)  
*X-ray microtomography (muCT) is a popular tool for imaging scaffolds...*13th October, 2009  
Department of Materials, Imperial College London, London, SW7 2BP, UK.- J Mater Sci Mater Med.  
2009 Oct 10. ([DOI Direct Link](#))
  - [Neural crest lineage segregation: a blueprint for periodontal regeneration.](#)  
*During the recent decade, the periodontal attachment apparatus has become...*9th October, 2009  
Brodie Laboratory for Craniofacial Genetics, Department of Oral Biology,- J Dent Res. 2009  
Sep;88(9):781-91. ([DOI Direct Link](#))
  - [Mesenchymal stem cells for craniofacial tissue regeneration: designing hydrogel delivery vehicles.](#)  
*Craniofacial injuries require a variety of different cell types to...*30th September, 2009  
Department of Chemical and Biological Engineering, University of Colorado,- J Dent Res. 2009  
Aug;88(8):681-92. ([DOI Direct Link](#))
  - [Treatment of a segmental nerve defect in the rat with use of bioabsorbable synthetic nerve conduits: a comparison of commercially available conduits.](#)  
*BACKGROUND: The use of biodegradable synthetic nerve conduits for the...*23rd September, 2009  
Microvascular Research Laboratory, Mayo Clinic, Rochester, MN 55905, USA.- J Bone Joint Surg Am.  
2009 Sep;91(9):2194-204. ([DOI Direct Link](#))

## BioNews Results for Tissue Scaffolds

- [Funeral Industry Workers Exposed to Formaldehyde Face Higher Risk of Leukemia](#)  
*Bioscience Technology Online: Nov 21 2009 9:06AM Matching: tissue*
- [Higher Carotid Arterial Stenting Rates Associated with Poorer Clinical Outcomes](#)  
*Bioscience Technology Online: Nov 21 2009 8:13AM Matching: tissue*
- [A nyolcvanves Lamp Lszl professzor kszntse](#)  
*Bioscience Technology Online: Nov 21 2009 6:42AM Matching: tissue*
- [Egyszggyi mrnki mesterkpzs](#)  
*Bioscience Technology Online: Nov 21 2009 6:42AM Matching: tissue*
- [Az endokrin rendszer szerepe a nem alkoholos zsrnj kialakulsban](#)  
*Bioscience Technology Online: Nov 21 2009 6:42AM Matching: tissue*
- [A laparoszkpos cholecystectomya fejl'dse az 1994-ben s 2007-ben vgzett cholecystectomya tkrben](#)  
*Bioscience Technology Online: Nov 21 2009 6:42AM Matching: tissue*

- [Medical device company ART reaches restructuring proposal after review](#)  
*Bioscience Technology Online: Nov 21 2009 2:07AM Matching: tissue*
- [Laser-Treated Corneas Found Suitable for Donor Tissue](#)  
*Modern Medicine: Nov 21 2009 1:18AM Matching: tissue*
- [Promoting healthy skepticism in the news: Helping journalists get it right](#)  
*Bioscience Technology Online: Nov 21 2009 1:13AM Matching: tissue*
- [Meridia \(sibutramine hydrochloride\): Early Communication about an Ongoing Safety Review](#)  
*Bioscience Technology Online: Nov 21 2009 1:10AM Matching: tissue*
- [Fresh Ovarian Tissue and Whole Ovary Transplantation](#)  
*Medscape: Nov 21 2009 12:45AM Matching: tissue*
- [Selective cytotoxic effect of ZnO nanoparticles on glioma cells](#)  
*Bioscience Technology Online: Nov 21 2009 12:13AM Matching: tissue*
- [Special sessions announced for World Congress on Osteoporosis 2010 - IOF WCO - ECCEO10](#)  
*Genetic Engineering News: Nov 20 2009 7:20PM Matching: tissue*
- [The Use of Experimental Design Principles in Dissolution Method Development: Development of a Discriminating D](#)  
*Bioscience Technology Online: Nov 20 2009 11:27PM Matching: tissue*
- [Searching for Modular Structure in Complex Phenotypes: Inferences from Network Theory](#)  
*Bioscience Technology Online: Nov 20 2009 11:27PM Matching: tissue*

#### Tissue Scaffolds Patents:



- 7335656- [Medical devices employing triazine compounds and compositions thereof](#)
- 7452377- [Biomedical compositions](#)
- 7452677- [Monoclonal antibody capable of binding integrin alpha 10 beta 1](#)
- 7456288- [Heterocyclic compounds and methods of making and using thereof](#)
- 7468075- [Methods and compositions for articular repair](#)
- 7482154- [Diamagnetic force field bioreactor](#)
- 7482427- [Positive modulator of bone morphogenic protein-2](#)
- 7498412- [Process for preparing porous collagen matrix from connective tissue](#)
- 7500978- [Method for delivering and positioning implants in the intervertebral disc environment](#)
- 7501039- [Gas assisted bonding of polymers and polymer composites](#)
- 7510873- [Postpartum cells isolated from umbilical cord tissue, and methods of making and using the same](#)
- 7445634- [Annulus repair systems and methods](#)
- 7419678- [Coated medical devices for the prevention and treatment of vascular disease](#)
- 7416885- [Proliferated cell lines and uses thereof](#)
- 7335770- [Triazine compounds and their analogs, compositions, and methods](#)
- 7338517- [Tissue scaffold having aligned fibrils and artificial tissue comprising the same](#)
- 7348022- [Biomedical composition](#)
- 7355019- [Cysteine-containing peptide tag for site-specific conjugation of proteins](#)
- 7368056- [Production of potable liquids](#)
- 7371400- [Multilayer device for tissue engineering](#)
- 7384652- [Complexed-acidic-phospholipid-collagen composites for bone induction](#)

- 7393952- [Solvent free amorphous rapamycin](#)
- 7413734- [Treatment of retinitis pigmentosa with human umbilical cord cells](#)
- 7414028- [Growth factor analogs](#)
- 7524335- [Fiber-reinforced, porous, biodegradable implant device](#)
- 7524489- [Regeneration and repair of neural tissue using postpartum-derived cells](#)
- 7557051- [3-D interconnected multi-layer microstructure of thermoplastic materials](#)
- 7560276- [Soft tissue repair and regeneration using postpartum-derived cells](#)
- 7575781- [Method for depositing a polymeric coating on a substrate](#)
- 7579381- [Treatment of bioprosthetic tissues to mitigate post implantation calcification](#)
- 7579442- [Method for stromal corneal repair and refractive alteration](#)
- 7591844- [Medical devices, drug coatings and methods for maintaining the drug coatings thereon](#)
- 7598224- [Dual chain synthetic heparin-binding growth factor analogs](#)
- 7601525- [Alginate gel scaffold having a plurality of continuous parallel microtubular copper capillaries](#)
- 7615593- [Bifunctional-modified hydrogels](#)
- 7618451- [Patient selectable joint arthroplasty devices and surgical tools facilitating increased accuracy, speed and simplicity in performing total and partial joint arthroplasty](#)
- 7556822- [Biomedical compositions](#)
- 7553923- [Medical devices and applications of polyhydroxyalkanoate polymers](#)
- 7553329- [Stabilized intervertebral disc barrier](#)
- 7527632- [Modified delivery device for coated medical devices](#)
- 7528105- [Heterodimeric chain synthetic heparin-binding growth factor analogs](#)
- 7531120- [Method of making a product with a micro or nano sized structure and product](#)
- 7531503- [Cell scaffold matrices with incorporated therapeutic agents](#)
- 7537754- [Polymerizable emulsions for tissue engineering](#)
- 7541048- [Coating compositions for bioactive agents](#)
- 7544673- [Coating compositions for bioactive agents](#)
- 7550152- [Tissue graft scaffold made from cholecyst-derived extracellular matrix](#)
- 7550443- [Process and systems for biocompatible surfaces](#)
- 7550444- [Composition and method for preparing biocompatible surfaces](#)
- 7618944- [Encapsulated amyloid-beta peptides](#)

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