Stem Cell Biology and Tissue Engineering in Dental Sciences

Description:
Stem Cell Biology and Tissue Engineering in Dental Sciences bridges the gap left by many tissue engineering and stem cell biology titles to highlight the significance of translational research in this field in the medical sciences. It compiles basic developmental biology with keen focus on cell and matrix biology, stem cells with relevance to tissue engineering biomaterials including nanotechnology and current applications in various disciplines of dental sciences; viz., periodontology, endodontics, oral & craniofacial surgery, dental implantology, orthodontics & dentofacial orthopedics, organ engineering and transplant medicine. In addition, it covers research ethics, laws and industrial pitfalls that are of particular importance for the future production of tissue constructs.

Tissue Engineering is an interdisciplinary field of biomedical research, which combines life, engineering and materials sciences, to progress the maintenance, repair and replacement of diseased and damaged tissues. This ever-emerging area of research applies an understanding of normal tissue physiology to develop novel biomaterial, acellular and cell-based technologies for clinical and non-clinical applications. As evident in numerous medical disciplines, tissue engineering strategies are now being increasingly developed and evaluated as potential routine therapies for oral and craniofacial tissue repair and regeneration.

- Diligently covers all the aspects related to stem cell biology and tissue engineering in dental sciences: basic science, research, clinical application and commercialization- Provides detailed descriptions of new, modern technologies, fabrication techniques employed in the fields of stem cells, biomaterials and tissue engineering research including details of latest advances in nanotechnology- Includes a description of stem cell biology with details focused on oral and craniofacial stem cells and their potential research application throughout medicine- Print book is available and black and white, and the ebook is in full color

Contents:
Part 1: Developmental Biology: A Blueprint for Tissue Engineering
Part 2: In Vitro Regulation of Cell Behaviour and Tissue Development
Part 3: Biomaterials in Tissue Engineering
Part 4: Oral and Craniofacial Stem Cells for Tissue Engineering
Part 5: Tooth Tissue Engineering
Part 6: Tissue Engineering in Endodontics
Part 7: Periodontal Tissue Engineering
Part 8: Craniofacial Tissue Engineering
Part 9: Bioengineering Organs in Head and Neck
Part 10: Tissue Engineering Skin and Oral Mucosa
Part 11: Tissue Engineered Implant Dentistry
Part 12: Tissue Engineering in Orthodontics & Dentofacial Orthopedics
Part 13: Transplantation of Engineered Tissue Constructs
Part 14: Research Ethics and Law

Ordering:
Order Online - http://www.researchandmarkets.com/reports/2857183/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit
http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Product Name: Stem Cell Biology and Tissue Engineering in Dental Sciences
Web Address: http://www.researchandmarkets.com/reports/2857183/
Office Code: SC

Product Format
Please select the product format and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy</td>
<td>USD 190 + USD 31 Shipping/Handling</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.
* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by Wire Transfer: Bank details will be provided on the invoice which you will receive after you place your order with us.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World