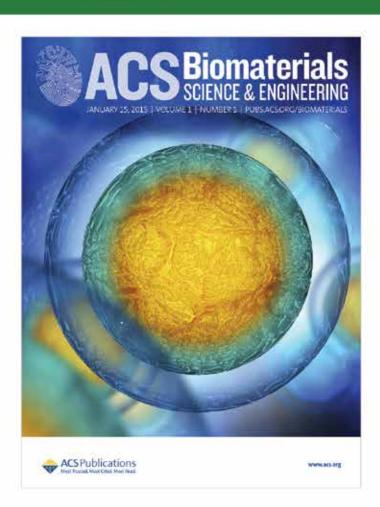


Now accepting submissions



EDITOR-IN-CHIEF
David L. Kaplan
Tufts University

Research at the intersection of chemistry, biology, materials science, and engineering >>>



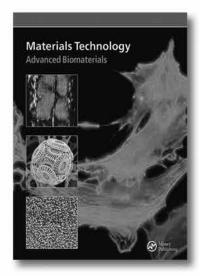
ACS Publications is pleased to introduce ACS Biomaterials Science & Engineering, a new journal formed to address the rapid growth, fueled by the biomedical and biotechnology industries.

Manuscripts will cover a broad spectrum of topics including:

- Modeling and informatics tools for biomaterials
- New biomaterials, bioinspired and biomimetic approaches to biomaterials
- Biomaterial interfaces, health risk studies studies of biomaterial
- Bioelectronics, bioMEMS, biomaterials based devices and prosthetics
- Regenerative medicine, biomaterial technology for tissues, genetic designs and bioengineering



Biomaterials content from Maney Publishing



Materials Technology: Advanced Biomaterials

Editor-in-Chief: Professor R D K Misra, University of Texas, El Paso, USA Editor: Professor C Viseras Iborra, University of Granada, Spain

Materials Technology: Advanced Biomaterials publishes commissioned thematic issues on active research topics, providing readers with surveys of the latest developments in the key areas of biomaterials. Areas of particular interest include biosensing, orthopaedic biomaterials and advanced composite.

Volume 2 (2015) | 4 issues per year

www.maneyonline.com/mtb



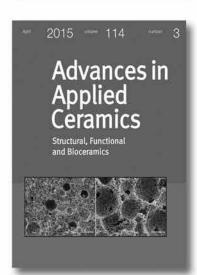
The Journal of Histotechnology

Editor-in-Chief: Dr Karen J L Burg, Kansas State University, USA

The Journal of Histotechnology publishes original articles, technical notes and case studies that include a diverse scope of disciplines, all related to the study of living tissues. Topics include pathology techniques; tissue responses to medical implants; new techniques to process and analyze engineered tissues for regenerative medicine application; and medical case studies.

Volume 38 (2015) | 4 issues per year

www.maneyonline.com/his



Advances in Applied Ceramics Structural, Functional and Bioceramics

Editor: Professor M Reece, Queen Mary University of London, UK

Advances in Applied Ceramics provides international coverage of high-quality research on functional ceramics, engineering ceramics and bioceramics. The journal has a particular interest in the development of novel materials and the tailoring, through innovative processing, of structure across a range of scales to meet the requirements of specific applications.

Volume 114 (2015) | 8 issues per year

www.maneyonline.com/aac





The WBC 2016 will host the worldwide biomaterials community to define the next phase of biomaterials development between May 17-22, 2016 in Montréal, Canada.

We seek innovative biomaterials, new paradigms and emerging methodological approaches to chart the future of biomaterials science and engineering. We are providing a stimulating cosmopolitan venue for multidisciplinary research to germinate breakthrough ideas and share the translational activity in clinical and industrial development. Engage the biomaterials community with your scientific and engineering endeavours to make an impact!

Submit Your Abstracts at: wbc2016.org

GENERAL SESSIONS:

Biomaterials and Host Response

Biomaterials in Therapeutic and Diagnostic Delivery

Building Blocks

Functional Biomaterials

Innovation in Fabrication

Mechanics and Modelling

Regenerative Medicine

Surfaces and Interfaces

Tissue Engineering

NEW FRONTIER SYMPOSIA:

The final list of "New Frontier" Symposia is available at wbc2018.org.



10th World Biomaterials Congress May 17-22, 2016 | Montréal, Canada Join the global biomaterials community online!



#Biomaterials16

in

Biointer*phases*

Journal for Quantitative Biological Interface Data

- Quantitative Data on Biological and Soft Matter Interfaces
- Experiments, Modeling, Theory and Applications
- Only journal in this subject area
- Open Access option



www.biointerphases.org

Biointerphases is a peer-reviewed journal. It is an interdisciplinary journal which explores all aspects of quantitative soft matter interfaces: chemistry, physics, engineering, theory and modeling. Topics covered include interface spectroscopy, *in vivo* and *in vitro* mechanisms, interface modeling, adhesion phenomena, protein-surface interactions, biomembranes on a chip, cell-surface interactions, biosensors/biodiagnostics, bio-surface modification, the nano-bio interface, biotribology/biorheology, molecular recognition, cell patterning for function, polyelectrolyte surfaces, and ambient diagnostic methods. In addition to regular submissions, the journal features In Focus sections examining specific topics and edited by experts in the field.

Editor: Dr. Anna Belu, Medtronic

"Biointerphases is an excellent information source for research in the field of cell adhesion and mechanics with growing importance."

— Dr. Joachim Spatz, MPI Intelligent Systems & University of Heidelberg

"The themed issues of Biointerphases provide valuable, in-depth accounts of the current state of research in specific topic areas of biointerface science."

— Dr. Stefan Zauscher, Duke University



AVS Publications Office

51 Kilmayne Drive, Suite 104
Cary, NC 27511
919-361-2787 • Fax 919-234-0051 • publications@avs.org
Visit us online at www.avs.org







You ask. Zeus delivers. UNIQUE EXTRUSIONS IN A VARIETY OF SIZES & CUSTOM PROFILES Bioweb™ Absorv® ENCAPSULATED STENT TECHNOLOGY ADVANCED BIOABSORBABLES

Aeos® MICROPOROUS TECHNOLOGY





Americas +1.803.268.9500 | Toll-Free 800.526.3842 Europe +353 (0)74 9109700 | Asia +86 13922204986 Email support@zeusinc.com

www.zeusinc.com

Announcing

REGENERATIVE ENGINEERING AND TRANSLATIONAL MEDICINE

A New Quarterly Publication from Springer and the Regenerative Engineering Society

Editor-in-Chief: Cato T. Laurencin, M.D., Ph.D., University of Connecticut

Managing Editor: Lakshmi Nair, M.Phil., Ph.D., University of Connecticut

News and Views Editor: Ali Khademhousseini, Ph.D., Harvard University

Assist. Managing Editor: Tao Jiang, Ph.D.,

Meet the editors!

Thursday, April 16 3:30-5pm Springer booth in the SFB Exhibit





Volume I • Number I

March 2015

Regenerative Engineering and

Translational Medicine

An Official Journal of the Regenerative Engineering Society





Regenerative Engineering and Translational Medicine is an international journal covering convergence of the disciplines of tissue engineering, advanced materials science, stem cell research, the physical sciences, and areas of developmental biology.

For more information, visit the journal homepage at: www.retmjournal.com

Submit your article online at: www.editorialmanager.com/retm/

Chemical Engineering @ Northeastern University

Dr. Thomas Webster, Chair th.webster@neu.edu



- Nanomaterials for medical applications
- Development of in situ sensors
- Environmental & human health toxicity of nanomaterials

Dr. Sunho Choi, Assistant Professor s.choi@neu.edu



- Nanostructure interfacial engineering
- Design and synthesis of nanostructured materials
- Advanced separation and heterogeneous catalysis for clean energy

Dr. Adam Ekenseair, Assistant Professor a.ekenseair@neu.edu



- Injectable scaffolds for regenerative medicine
- 3D bioprinted scaffolds for tissue engineering
- Controlled drug delivery for disease treatment

Dr. Abigail Koppes, Assistant Professor a.koppes@neu.edu



- Tissue engineering
- Regenerative medicine
- Neural engineering

Dr. Shashi Murthy, Associate Professor s.murthy@neu.edu



- Microfluidic isolation of stem/progenitor cells from blood and tissue
- Microfluidic diagnostics
- Cell surface and intracellular phenomena during

Dr. Richard West, Assistant Professor r.west@neu.edu



- Kinetic model development
- Multi-scalecomputational modeling
- Energy conversion

Dr. Katherine Ziemer, Associate Chair k.ziemer@neu.edu



- Thin films and nanostructures
- Multifunctional materials
- Wide bandgap semiconductors
- Interface engineering

Dr. Arthur Coury, Professor a.coury@neu.edu



- Polymeric biomaterials for medical products
- Drug delivery systems
- National Academy of Engineering Inductee

Dr. Hicham Fenniri, Professor h.fenniri@neu.edu



- Supramolecular engineering
- Organicnanomaterials synthesis and metrology
- Theranostics
- Graduate Student Director

Dr. Carolyn Lee-Parsons, Associate Professor ca.lee@neu.edu



- Biochemical engineering & metabolic engineering
 - Pharmaceutical compounds from plant cell & tissue cultures
 - Production of biofuels from microalgae

Dr. Elizabeth Podlaha-Murphy, Professor e.podlaha-murphy@neu.edu



- Electrochemical engineering
 - Nanomaterials
- Photoelectrochemistry
- Fuel cell catalysts

Dr. Nasim Annabi, Assistant Professor n.annabi@neu.edu



- Advanced biomaterials
- Functional 3D tissue contstructs
- Nanoscale technologies to control cellular behavior

Dr. Rebecca L. Carrier, Associate Professor r.carrier@neu.edu



- Drug delivery mechanistic studies and modeling
- Transport through mucosal barriers
- Biomimetic biomaterials for regenerative medicine

Dr. Eno Essien Ebong, Assistant Professor e.ebong@neu.edu



- Biofluids
- Vascular Mechanobiology

Dr. Edgar Goluch, Assistant Professor e.goluch@neu.edu



- Nanobiotechnology
- Nanofluidics
- Microfluidic systems
- Electrochemistry
- Sensors

Dr. Laura H. Lewis, Professor



- Magnetostructural materials
- Nanomagnestism
- Magnetic materials for energy applications

Dr. Ming Su, Associate Professor m.su@neu.edu



- Nanomedicines
- Biological heat transfer
- Phase change nanoparticles
- In vitro biomarker detections
- Covert thermal barcodes

Affiliated Faculty

Dr. Anand Asthagiri, Bio Eng.

Dr. Heather Clark, Pharmaceutical Sci.

Dr. Matthew J. Eckelman, Civil/Env. Eng.

Dr. Andrew Gouldstone, Mech./Ind. Eng.

Dr. Vincent Harris, Electrical/Computer Eng.

Dr. Barry Karger, Chemistry

Dr. Jeffrey Ruberti, Bio Eng.

Dr. Srinivas Sridhar, Physics

The Michelson Prize & Grants

Apply for Research Grants

Found Animals offers Michelson Grants to scientists to pursue nonsurgical sterilization technologies for cats and dogs and will award the \$25 million Michelson Prize to the first entity to develop the successful product.

The Michelson Grants

Found Animals offers Michelson Grants of up to \$750,000 USD for research in pursuit of a single-dose, permanent, nonsurgical sterilization product or technology for use in male and female dogs and cats.

To qualify for a Michelson Grant, a proposed project must pursue a technology, mechanism, or pathway representing an innovative approach to nonsurgical sterilization. Investigators are encouraged to submit for "proof of concept" studies in cell culture or rodents (in certain cases), and/or in dogs and cats.

Proposed research is not required to generate results that meet all of the Michelson Prize criteria in order to be funded; however, strong preference will be given to projects with the potential to produce a prize-winning product or technology.

The Michelson Prize

The winning entry for the \$25 million Michelson Prize will have, at minimum, the following characteristics:

- · Single-dose, permanent, nonsurgical sterilant
- Safe and effective in male and female cats and dogs
- Ablates sex steroids and/or their effects
- · Suitable for administration in a field setting
- Viable pathway to regulatory approval
- Reasonable manufacturing process and cost

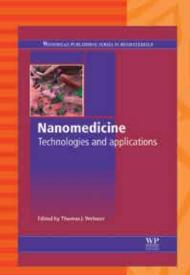
The Michelson Prize & Grants is an international program open to any entity, including academic institutions, biotechnology firms, research institutes, and well-qualified individuals or groups. Scientists from a diverse range of fields are encouraged to apply.

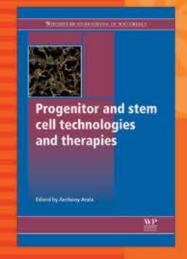
MICHELSON PRIZE & GRANTS



Stay in Pole-Position with these Essential Biomaterials Books

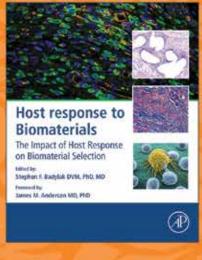


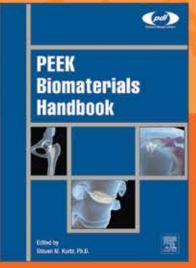
















Visit www.store.elsevier.com to browse available books and ebooks and enter MATER315 to save up to 30%