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Contact Details:

1918 university blvd
birmingham
AL
35294
United States of America

Tel: 205-975-4893

Fax:

Email: gmeacham@bmg125.cmc.uab.edu

Recent Publications by UAB:



- [Efficient spin transitions in inelastic electron tunneling spectroscopy.](#)
The excitation of the spin degrees of freedom of an adsorbed atom by... 13th November, 2009
Centre d'Investigacio en Nanociencia i Nanotecnologia (CSIC-ICN), Campus- Phys Rev Lett. 2009 Oct 23;103(17):176601. Epub 2009 Oct 21.
- [Enhancement of charge inversion by multivalent interfacial groups.](#)
In this Brief Report, we perform molecular-dynamics simulations of an... 13th November, 2009
Institut de Ciència dels Materials de Barcelona -CSIC, Campus de la UAB,- Phys Rev E Stat Nonlin Soft Matter Phys. 2009 Oct;80(4 Pt 1):042601. Epub
- [Two ply tubular scaffolds comprised of proteins/poliglecaprone/polycaprolactone fibers.](#)
Electrospun bi-layer tubular hybrid scaffolds composed of poliglecaprone... 11th November, 2009
Department of Biomedical Engineering, University of Alabama at Birmingham- J Mater Sci Mater Med. 2009 Nov 10. ([DOI Direct Link](#))
- [Plasma concentrations of inflammatory cytokines rise rapidly during ECMO-related SIRS due to the release of preformed stores in the intestine.](#)
Extracorporeal membrane oxygenation (ECMO) is a life-saving support system... 11th November, 2009
[1] University Hospital Services, University of Alabama at Birmingham- Lab Invest. 2009 Nov 9. ([DOI Direct Link](#))
- [Challenges faced in providing safe care in rural perinatal settings.](#)
PURPOSE: To examine and describe neonatal resuscitation preparedness... 11th November, 2009
University of- MCN Am J Matern Child Nurs. 2009 Nov-Dec;34(6):365-71. ([DOI Direct Link](#))
- [Management of colon wounds in the setting of damage control laparotomy: a cautionary tale.](#)
BACKGROUND: Although colon wounds are commonly treated in the setting of... 11th November, 2009

Department of Surgery, University of Alabama at Birmingham, Birmingham,- J Trauma. 2009 Nov;67(5):929-35. ([DOI Direct Link](#))

- [Current options for the treatment of resistant hypertension.](#)
*Patients with resistant hypertension are those who have uncontrolled blood...*11th November, 2009
Vascular Biology and Hypertension Program, University of Alabama at- Expert Rev Cardiovasc Ther. 2009 Nov;7(11):1385-93. ([DOI Direct Link](#))
- [Work, family, and gender: elements for a theory of work-family balance.](#)
*Over last century, work was not only a means of economic survival, but...*11th November, 2009
Departamento de Psicologia Social, Universidad Autonoma de Barcelona,- Span J Psychol. 2009 Nov;12(2):641-7.
- [Interferon-gamma induction correlates with protection by DNA vaccine expressing E2 glycoprotein against classical swine fever virus infection in domestic pigs.](#)
*Classical swine fever (CSF) is a highly contagious viral infection...*10th November, 2009
Centre de Recerca en Sanitat Animal (CRESA), UAB-IRTA, Campus de la UAB,- Vet Microbiol. 2009 Sep 30. ([DOI Direct Link](#))
- [Production of the biotechnologically relevant AFP from Aspergillus giganteus in the yeast Pichia pastoris.](#)
*The mould Aspergillus giganteus produces a basic, low molecular weight...*10th November, 2009
Centre de Recerca en Agrigenomica (CRAG) CSIC-IRTA-UAB, Departamento de- Protein Expr Purif. 2009 Nov 4. ([DOI Direct Link](#))
- [Special symposium: fixation and tissue processing models.](#)
*Abstract Fixation and processing of tissue to paraffin blocks permit thin...*6th November, 2009
Department of Pathology, University of Alabama at Birmingham, Zeigler- Biotech Histochem. 2009 Oct;84(5):185-93.
- [Mathematical model of the Drosophila circadian clock: loop regulation and transcriptional integration.](#)
*Eukaryotic circadian clocks include interconnected positive and negative...*4th November, 2009
The University of Alabama at Birmingham, Department of Neurology, The UAB- Biophys J. 2009 Nov 4;97(9):2399-408. ([DOI Direct Link](#))
- [A review of the health beliefs and lifestyle behaviors of women with previous gestational diabetes.](#)
*OBJECTIVE: To critically review and synthesize original research designed...*4th November, 2009
School of Nursing, University of Alabama at Birmingham, Birmingham, AL- J Obstet Gynecol Neonatal Nurs. 2009 Sep-Oct;38(5):516-26. ([DOI Direct Link](#))
- [Characterization of peptides and proteins in commercial human serum albumin solutions.](#)
*Human serum albumin (HSA) solution accounts for 14% of the world market...*3rd November, 2009
CSIC/UAB Proteomics Laboratory, Instituto de Investigaciones Biomedicas de- Proteomics. 2009 Oct 30. ([DOI Direct Link](#))
- [Connexin 43 knockdown or overexpression modulates cell coupling in control and failing rabbit left ventricular myocytes.](#)
*AIMS: We have shown that failing human and rabbit left ventricle (LV)...*3rd November, 2009
Division of Cardiovascular Disease, Department of Medicine, UAB Center for- Cardiovasc Res. 2009 Oct 30. ([DOI Direct Link](#))

Press Releases on UAB:

[Scientific Presentations at 2009 ASTRO](#)

[Meeting Highlight](#)

[RapidArc\(R\)](#)

[Radiotherapy](#)

[Technology from Varian](#)

[Medical Systems](#)

10th November,
2009

Varian Medical
Systems, Inc.

CHICAGO, Nov. 10
/PRNewswire-FirstCall/ -- Clinicians using RapidArc® radiotherapy technology for fast, precise, non-invasive cancer treatments have found that they are able to substantially reduce

Medical Study Establishes First-Ever Long-Term Benefits for Macular Degeneration Sufferers Using Macular Health Vitamin Supplement	23rd June, 2009	Macular Health, LLC	<i>BIRMINGHAM, Ala., June 23 /PRNewswire/ -- According to the World Health Organization (WHO), age-related macular degeneration (AMD) ranks third as a cause of visual impairment. It is the primary cause</i>
New Medical Study Establishes First-Ever Long-Term Benefits for Macular Degeneration Sufferers Using Macular Health Vitamin Supplement	28th April, 2009	Macular Health, LLC	<i>Eye disease product has the potential to preserve vision for millions BIRMINGHAM, Ala., April 28 /PRNewswire/ -- As many as 17.8 million people will suffer from age-related macular degeneration (AMD)</i>
Moog Announces Medical Devices Acquisition	30th December, 2008	Moog Inc.	<i>EAST AURORA, N.Y., Dec. 30 /PRNewswire-FirstCall/ -- Moog Inc. (NYSE: MOG.A and MOG.B) announced today that it has acquired 100% of the stock of AITECS Medical UAB, a Lithuanian-based manufacturer of</i>
Circle of Life Awards Recognize Innovative End-of-Life Care Providers	8th August, 2008	National Hospice Foundation	<i>ALEXANDRIA, Va., Aug. 8 /PRNewswire-USNewswire/ National Hospice and Palliative Care Organization and National Hospice Foundation honor the recipients of the 2008 Circle of Life Award(R). This</i>

BioNews Results for UAB



- [Friday's Women's Major Basketball Scores](#)
Mobile Register: Nov 14 2009 9:50PM Matching: uab
- [One Postdoctoral Position at Centre for Research in Agricultural Genomics](#)
Nature: Nov 14 2009 1:27PM Matching: uab
- [\\$11.5 million cervical cancer grant awarded to UAB cancer center, partners](#)
Pharmacy Choice: Nov 13 2009 7:47AM Matching: uab
- [Focus on healthy lifestyle to maintain weight this holiday season](#)
News-Medical.Net: Nov 13 2009 1:51PM Matching: uab
- [Medical News: Scientific Presentations At 2009 ASTRO Meeting Highlight RapidArc\(R\) Radiotherapy Technology From Varian Medical Systems](#)
BioFind: Nov 13 2009 1:17PM Matching: uab
- [Medical News: Shedding Light On Brain's Response To Distress, Unexpected Events](#)
BioFind: Nov 11 2009 6:06PM Matching: uab
- [Shedding Light On Brain's Response To Distress, Unexpected Events](#)
Medical News Today: Nov 11 2009 3:41PM Matching: uab

- [Brain's response to distress](#)
Scientist Live: Nov 11 2009 10:42AM Matching: uab
- [New insight into how brain responds when people experience an unexpected or traumatic event](#)
News-Medical.Net: Nov 11 2009 7:00AM Matching: uab
- [New UAB study sheds light on brain's response to distress, unexpected events](#)
EurekAlert!: Nov 10 2009 8:09PM Matching: uab
- [Identifying PTSD: Light Shed On Brain's Response To Distress, Unexpected Events](#)
Science Daily: Nov 10 2009 10:35PM Matching: uab
- [UAB, partners seek safe carbon dioxide storage for 'greener' power generation](#)
Genetic Engineering News: Nov 9 2009 5:20PM Matching: uab
- [UAB Awarded \\$11.5 Million To Explore Ways To Test Youth For HIV, Link Them To Care](#)
MediLexicon: Nov 9 2009 12:39AM Matching: uab
- [Lithuanian passport authority chooses Speed Identity to supply biometric capture](#)
SourceSecurity.com: Nov 9 2009 3:29PM Matching: uab
- [Medical News: UAB Awarded \\$11.5 Million To Explore Ways To Test Youth For HIV, Link Them To Care](#)
BioFind: Nov 8 2009 12:43PM Matching: uab

UAB Clinical Trials:



- [Randomized Clinical Trial of Bifocal Lenses Versus Computer-Specific Progressive Addition Lenses](#)

UAB Patents:



- 7020530- [Method and apparatus for passive cardiac stimulation](#)
- 7162298- [Devices for detecting the presence of cardiac activity following administration of defibrillation therapy](#)
- 7169396- [Reference clones and sequences for non-subtype B isolates of human immunodeficiency virus type 1](#)
- 7189404- [Strain selection of pneumococcal surface proteins](#)
- 7214540- [Method for screening crystallization conditions in solution crystal growth](#)
- 7217269- [Electrosurgical control system](#)
- 7235130- [Apparatus and method for diamond production](#)
- 7244396- [Method for preparation of microarrays for screening of crystal growth conditions](#)
- 7244429- [Antibody selective for a tumor necrosis factor-related apoptosis-inducing ligand receptor and uses thereof](#)
- 7247490- [Method for screening crystallization conditions in solution crystal growth](#)

- 7250305- [Use of dye to distinguish salt and protein crystals under microcrystallization conditions](#)
- 7148325- [Chimeric retroviral gag genes and screening assays](#)
- 7147605- [Method and apparatus for noninvasive determination of the absolute value of intracranial pressure](#)
- 7142927- [Method and system for the selection of cardiac defibrillation shocks based on discomfort](#)
- 7037718- [Mutant purine nucleoside phosphorylase proteins and cellular delivery thereof](#)
- 7041489- [Recombinant respiratory syncytial viruses with deleted surface glycoprotein genes and uses thereof](#)
- 7045127- [Human anti-epidermal growth factor receptor single-chain antibodies](#)
- 7047067- [Apparatus, methods, and computer program products for evaluating a risk of cardiac arrhythmias from restitution properties](#)
- 7048919- [Osteoclast secreted chemokine and uses thereof](#)
- 7049419- [Pneumococcal surface protein C \(PspC\), epitopic regions and strain selection thereof, and uses therefor](#)
- 7078042- [Pneumococcal surface protein C \(PspC\), epitopic regions and strain selection thereof, and uses therefor](#)
- 7081751- [Systems and methods for estimating properties of a sample](#)
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- 7259210- [Bone cement and a system for mixing and delivery thereof](#)
- 7494222- [Method and apparatus for the detection of impaired dark adaptation](#)
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- 7522958- [Methods and systems for reducing discomfort from cardiac defibrillation shocks](#)
- 7524510- [Alkyl-glycoside enhanced vaccination](#)
- 7524517- [Methods and compositions for P2X receptor calcium entry channels and other calcium entry mechanisms](#)
- 7531514- [Orally administered peptides synergize statin activity](#)
- 7534603- [Fusion protein delivery system and uses thereof](#)
- 7548571- [Mid-IR microchip laser: ZnS:Cr.sup.2+ laser with saturable absorber material](#)
- 7563771- [Synthetic single domain polypeptides mimicking apolipoprotein E](#)
- 7588770- [Recombinant viruses of the paramyxoviridae family with heterologous envelope glycoproteins](#)
- 7488598- [Mutant purine nucleoside phosphorylase proteins and cellular delivery thereof](#)
- 7476383- [Antibody selective for DR4 and uses thereof](#)
- 7473527- [Compounds promoting delivery of genes](#)
- 7279160- [Combinations of DR5 antibodies and other therapeutic agents](#)
- 7297476- [Method of monitoring HIV assembly and maturation](#)
- 7297542- [Adenovirus vector containing a heterologous peptide epitope in the hi loop of the fiber knob](#)
- 7311892- [Multidrug multiligand conjugates for targeted drug delivery](#)
- 7317087- [Members of the FC receptor homolog gene family \(FCRH1-3, 6\), related reagents, and uses thereof](#)
- 7346392- [Method and apparatus for the monitoring and treatment of spontaneous cardiac arrhythmias](#)
- 7364868- [Kruppel-like transcriptional factor KLF4/GKLF and uses thereof](#)
- 7439351- [2' or 3' -deoxy and 2', 3'-dideoxy-.beta.-L-pentofuranonucleo-side compounds, method of preparation and application in therapy, especially as anti-viral agents](#)
- 7452420- [Apparatus and method for diamond production](#)
- 7468047- [Orthosis and method for manufacture thereof](#)
- 7606274- [Mid-IR instrument for analyzing a gaseous sample and method for using the same](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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