

Cardiac Science Corporation

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Contact Details:

3303 Monte Villa Parkway
Bothell
Washington
98021
United States of America

Tel: (425) 402-2000

Fax:

Email: investor@cardiacscience.com

Cardiac Science Corporation is a global leader in the development, manufacture and marketing of diagnostic and therapeutic cardiology products and services. Formed by the merger of Cardiac Science, Inc. and Quinton Cardiology Systems in September 2005, the predecessor companies have a rich legacy of technology development in the market for cardiology devices. Cardiac Science Corporation provides a full spectrum of cardiology products and services that help protect hearts and save lives. From devices designed to identify the early stages of heart disease-such as Electrocardiographs, Cardiac Stress Testing Systems, and Holter Monitors-to sophisticated systems that enable Cardiac Rehabilitation and Cardiology Data Management-to innovative and patented automated external defibrillators (AEDs) that provide assistance to victims of sudden cardiac arrest for both medical and non-medical markets.

Recent Publications by Cardiac Science Corporation:



- [Relationship between B-type natriuretic peptide levels and echocardiographic indices of left ventricular filling pressures in post-cardiac surgery patients.](#)

*ABSTRACT: BACKGROUND: B-type natriuretic peptide (BNP) is increased in...*30th October, 2009
Institute of Cardiac Science, Sheikh Khalifa Medical City, P,O, Box 51900,- Cardiovasc Ultrasound.
2009 Oct 28;7(1):49. ([DOI Direct Link](#))

- [Spatial regulation of intracellular pH in multicellular strands of neonatal rat cardiomyocytes.](#)

*AIMS: Intracellular pH (pH(i)), an important modulator of cardiac...*16th October, 2009
Burdon Sanderson Cardiac Science Centre, Department of Physiology, Anatomy- Cardiovasc Res.
2009 Oct 14. ([DOI Direct Link](#))

- [Long-term effect of neuronal nitric oxide synthase over-expression on cardiac neurotransmission mediated by a lentiviral vector.](#)

*Short-term over-expression of neuronal nitric oxide synthase (nNOS) with...*16th October, 2009

- Burdon Sanderson Cardiac Science Centre, Department of Physiology, Anatomy- J Physiol. 2009 Jul 15;587(Pt 14):3629-37. Epub 2009 Jun 2. ([DOI Direct Link](#))
- [The role of carbonic anhydrase 9 in regulating extracellular and intracellular ph in three-dimensional tumor cell growths.](#)
*We have studied the role of carbonic anhydrase 9 (CA9), a...*29th September, 2009
 From the Department of Physiology, Anatomy and Genetics, Burdon Sanderson- J Biol Chem. 2009 Jul 24;284(30):20299-310. Epub 2009 May 19. ([DOI Direct Link](#))
 - [Intracellular pH regulation in heart.](#)
*Intracellular pH (pHi) is an important modulator of cardiac excitation and...*9th June, 2009
 Burdon Sanderson Cardiac Science Centre, Department of Physiology, Anatomy- J Mol Cell Cardiol. 2009 Mar;46(3):318-31. Epub 2008 Nov 8. ([DOI Direct Link](#))
 - [Targeting cardiac sympatho-vagal imbalance using gene transfer of nitric oxide synthase.](#)
*Heightened sympathetic excitation and diminished parasympathetic...*7th May, 2009
 Department of Physiology, Burdon-Sanderson Cardiac Science Centre, Anatomy- J Mol Cell Cardiol. 2009 Apr;46(4):482-9. Epub 2009 Jan 7. ([DOI Direct Link](#))
 - [Neuromodulators of peripheral cardiac sympatho-vagal balance.](#)
*The traditional model of efferent cardiac noradrenaline and acetylcholine...*4th April, 2009
 Burdon Sanderson Cardiac Science Centre, Department of Physiology, Anatomy- Exp Physiol. 2009 Jan;94(1):46-53. Epub 2008 Oct 22. ([DOI Direct Link](#))
 - [When to suspect an aortopulmonary window in a pink Tetralogy of Fallot.](#)
*We have studied the role of carbonic anhydrase 9 (CA9), a...*21st March, 2009
 Department of Pediatric Cardiology, Narayana Hrudayalaya Institute of- Indian Heart J. 2008 Mar-Apr;60(2):146-8.
 - [Prime-time defibrillation comes out from behind the security desk.](#)
*Intracellular pH (pHi) is an important modulator of cardiac excitation and...*23rd January, 2009
 Cardiac Science Corp, Bothell, WA, USA.- Occup Health Saf. 2008 Oct;77(10):64, 66, 68.
 - [Prediction of cardiovascular death using a novel heart rate recovery parameter.](#)
*INTRODUCTION: Reassertion of vagal tone after exercise is an important...*22nd October, 2008
 Cardiac- Med Sci Sports Exerc. 2008 Jun;40(6):1072-9. ([DOI Direct Link](#))
 - [Ca²⁺-mobility in the sarcoplasmic reticulum of ventricular myocytes is low.](#)
*The sarcoplasmic reticulum (SR) in ventricular myocytes contains...*9th September, 2008
 Burdon Sanderson Cardiac Science Centre, Department of Physiology,- Biophys J. 2008 Aug;95(3):1412-27. Epub 2008 Apr 4. ([DOI Direct Link](#))
 - [Tumor-associated carbonic anhydrase 9 spatially coordinates intracellular pH in three-dimensional multicellular growths.](#)
*CA9 is a membrane-tethered, carbonic anhydrase (CA) enzyme, expressed...*4th September, 2008
 Department of Physiology, Anatomy, and Genetics, Burdon Sanderson Cardiac- J Biol Chem. 2008 Jul 18;283(29):20473-83. Epub 2008 May 15. ([DOI Direct Link](#))
 - [Measuring and modeling chloride-hydroxyl exchange in the Guinea-pig ventricular myocyte.](#)
*Protons are powerful modulators of cardiac function. Their intracellular...*23rd May, 2008
 Burdon Sanderson Cardiac Science Centre, Department of Physiology, Anatomy- Biophys J. 2008 Mar 15;94(6):2385-403. Epub 2007 Nov 30. ([DOI Direct Link](#))
 - [S0859, an N-cyanosulphonamide inhibitor of sodium-bicarbonate cotransport in the heart.](#)
*BACKGROUND AND PURPOSE: Intracellular pH (pH(i)) in heart is regulated by...*16th May, 2008
 Burdon Sanderson Cardiac Science Centre, Department of Physiology, Anatomy- Br J Pharmacol. 2008 Mar;153(5):972-82. Epub 2008 Jan 21. ([DOI Direct Link](#))
 - [Early outcome of children with complex atrial isomerism undergoing uni-ventricular cardiac palliation.](#)
*OBJECTIVE: To review the postoperative intensive care unit (ICU) course...*28th March, 2008
 Cardiac Science Department, King Abdul-Aziz Medical City, National Guard- Saudi Med J. 2007 Dec;28(12):1855-9.

Press Releases on Cardiac Science Corporation:

The Gymboree Corporation to Present at NASDAQ OMX 23rd Investor Program	27th November, 2009	The Gymboree Corporation	SAN FRANCISCO, Nov. 27 /PRNewswire-FirstCall/ -- The Gymboree Corporation (Nasdaq: GYMB) announced that Blair Lambert, CFO/COO, will present at the NASDAQ OMX 23rd Investor Program, which will be held
New Hologic SecurView(R) DX Diagnostic Workstation Software Streamlines Workflow, Improves Radiologist Productivity	25th November, 2009	Hologic, Inc.	BEDFORD, Mass., Nov. 25 /PRNewswire-FirstCall/ -- Hologic, Inc. (Hologic or the Company) (Nasdaq: HOLX), a leading developer, manufacturer and supplier of premium diagnostics, medical imaging systems
Heska Announces Supply Agreement With Roche Diagnostics	25th November, 2009	Heska Corporation	LOVELAND, Colo., Nov. 25 /PRNewswire-FirstCall/ -- Heska Corporation (Nasdaq: HSKA); ("Heska"), a leading provider of advanced diagnostic and specialty products to the veterinary industry,
Remedium Technologies Wins Most Promising Security Idea at Global Security Challenge 2009 with Blood-Clotting Foam	25th November, 2009	Maryland Technology Enterprise Institute	COLLEGE PARK, Md., Nov. 25 /PRNewswire-USNewswire/ -- Remedium Technologies Inc., a company developing a shaving cream-like foam that stops severe bleeding, won first prize and \$10,000 in the Most
Video: Genworth Recognizes the Nation's Caregivers in New Ad Campaign	25th November, 2009	Genworth Financial	RICHMOND, Va., Nov. 25 /PRNewswire-FirstCall/ -- There are 120 million reasons to recognize caregivers in the U.S., and Genworth Financial (NYSE: GNW) will celebrate and give thanks to these men and

BioNews Results for Cardiac Science Corporation



- [FDA warns of faulty Cardio Science AED devices](#)
Cardiovascular Business: Nov 21 2009 8:11PM Matching: cardiac science
- [Effect of real-time CPR feedback reported at resuscitation science symposium](#)
Genetic Engineering News: Nov 21 2009 9:29PM Matching: cardiac science
- [Effect of real-time CPR feedback reported at resuscitation science symposium](#)
Bioscience Technology Online: Nov 21 2009 8:13AM Matching: cardiac science

- [Real-time CPR feedback effective in EMS systems with well-trained rescuers](#)
News-Medical.Net: Nov 21 2009 4:57AM Matching: cardiac science
- [Effect of real-time CPR feedback reported at resuscitation science symposium](#)
Genetic Engineering News: Nov 20 2009 11:21PM Matching: cardiac science
- [FDA Issues Warning for Defective AEDs](#)
MedPage Today: Nov 20 2009 9:32PM Matching: cardiac science
- [Breaking Through into New Markets with Life Science Products and Services](#)
Pharmalicensing: Nov 20 2009 9:29AM Matching: cardiac science
- [Centre notifies Revised National Ambient Air Quality Standards](#)
PharmaBiz: Nov 20 2009 3:12AM Matching: cardiac science
- [VCU-RAA treatment protocol nearly doubles pre-hospital cardiac arrest resuscitation and survival rates](#)
News-Medical.Net: Nov 19 2009 3:00PM Matching: cardiac science
- [Vicor Technologies' PD2i nonlinear algorithm and software: a promising diagnostic for in-field trauma triage](#)
News-Medical.Net: Nov 19 2009 3:11PM Matching: cardiac science
- [USAISR Researcher Dr. Andriy Batchinsky Identifies Vicor's PD2i\(R\) Nonlinear Algorithm as Most Promising Diagn](#)
Genetic Engineering News: Nov 19 2009 2:56PM Matching: cardiac science
- [An often overlooked protein actually a potent regulator of cardiac hypertrophy](#)
Science Daily: Nov 19 2009 3:08AM Matching: cardiac science
- [Transcendental Meditation Helped Heart Disease Patients Lower Cardiac](#)
Ahip Hi-Wire: Nov 18 2009 1:56AM Matching: cardiac science
- [Cardiac muscle function and manipulation](#)
PharmCast: Nov 18 2009 4:58AM Matching: cardiac science
- [Oral Cancer Now More Deadly Than Cervical Cancer - New Technology](#)
Ahip Hi-Wire: Nov 18 2009 1:57AM Matching: cardiac science

Cardiac Science Corporation Patents:



- 7463923- [Method and apparatus for delivering a biphasic defibrillation pulse with variable energy](#)
- 6658290- [Public access defibrillator](#)
- 6546285- [Long term wear electrode for defibrillation system](#)
- 6539255- [Full-tilt exponential defibrillation waveform](#)
- 6490478- [System and method for complexity analysis-based cardiac tachyarrhythmia detection](#)
- 6480734- [Cardiac arrhythmia detector using ECG waveform-factor and its irregularity](#)
- 6427083- [Defibrillation system](#)
- 6418342- [Defibrillation system](#)
- 6374138- [Defibrillation system](#)
- 6304780- [External defibrillator system with diagnostic module](#)
- 6301502- [Defibrillation system](#)
- 6289243- [Automatic external cardioverter/defibrillator with tachyarrhythmia detector using a modulation \(amplitude and frequency\) domain function](#)
- 6148233- [Defibrillation system having segmented electrodes](#)
- 6668192- [Automated external defibrillator with the ability to store rescue information](#)

- 6671545- [Defibrillator with controller operating in a low power mode](#)
- 6780017- [Cardiopulmonary resuscitation manikin with replaceable lung bag and installation tool](#)
- 7457662- [Method and apparatus for variable capacitance defibrillation](#)
- 7174204- [Methods for quantifying the morphology and amplitude of cardiac action potential alternans](#)
- 7167744- [Methods for quantifying the morphology and amplitude of cardiac action potential alternans](#)
- 7136694- [Methods for quantifying the morphology and amplitude of cardiac action potential alternans](#)
- 7020520- [Defibrillator enclosure system](#)
- 7006865- [Automatic defibrillator module for integration with standard patient monitoring equipment](#)
- 6993386- [Public access defibrillator](#)
- 6983183- [Method and apparatus for monitoring cardiac patients for T-wave alternans](#)
- 6969259- [Programmable AED-CPR training device](#)
- 6948295- [Dual-function recyclable platform](#)
- 6944498- [Method of utilizing an external defibrillator by replacing its electrodes](#)
- 6872080- [Programmable AED-CPR training device](#)
- 5474574- [Automatic external cardioverter/defibrillator](#)

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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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