

BioRobotics Limited

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BioRobotics was founded as a privately funded venture with the aim of providing quality solutions to automation and robotics in the field of molecular biology. The BioPick, the company's first product, is used for the generation of genomic libraries. Capable of picking randomly grown colonies of yeast, Escherichia coli or phage into 96 or 384 well microtitre plates, the instrument runs unattended for up to 10 hours. In this time it will pick up to 10,000 clones and inoculate them into microplates, which are filled with media on-line. The BioGrid was added to the range in 1996. Compact sized, but with high throughput and capacity it is used to produce gridded arrays on membranes. This year BioRobotics has added the MicroGrid, an adaptation of the BioGrid, which allows the generation of custom microarrays of nucleic acids on solid substrates. A team of professional engineers and biologists work together to create optimised solutions to specific problems, and it is this multidisciplinary approach that has resulted in machines that are reliable, compact, easy to use and competitively priced. Distributor agreements are in place in Japan, Taiwan, China, Korea, New Zealand and Australia. There is a subsidiary company in Boston, MA, USA, and sales and marketing is direct from the UK to the rest of the world. BioRobotics has the long-term aim of continuing to grow through new product development funded from income. Ideas for further products are continually being evaluated.

BioRobotics BioPick BioGrid BioFill MicroGrid Automation Molecular Biology Genetics Genomics Instrumentation Colony Picking Gridding Membranes Filters Micro-array

Recent Publications by BioRobotics Limited:



- [Performance of humans vs. exploration algorithms on the Tower of London Test.](#)
*The Tower of London Test (TOL) used to assess executive functions was...*30th September, 2009
Biorobotics Department, Fatronik Foundation, San Sebastian, Spain.- PLoS One. 2009 Sep 29;4(9):e7263. ([DOI Direct Link](#))
- [Motion estimation using point cluster method and Kalman filter.](#)

- The most frequently used method in a three dimensional human gait analysis...*29th July, 2009
Biorobotics and Biomechanics Laboratory, Faculty of Mechanical- J Biomech Eng. 2009
May;131(5):051008. ([DOI Direct Link](#))
- [A bee in the corridor: centering and wall-following.](#)
*In an attempt to better understand the mechanism underlying lateral...*25th March, 2009
Biorobotics Lab., Institute of Movement Science, CNRS and University of- Naturwissenschaften. 2008
Dec;95(12):1181-7. Epub 2008 Sep 24. ([DOI Direct Link](#))
 - [Control of knee coronal plane moment via modulation of center of pressure: a prospective gait analysis study.](#)
*OBJECTIVES: Footwear-generated biomechanical manipulations (e.g., wedge...*6th February, 2009
Biorobotics and Biomechanics Lab (BRML), Faculty of Mechanical- J Biomech. 2008 Oct
20;41(14):3010-6. Epub 2008 Sep 20. ([DOI Direct Link](#))
 - [Biomechanical study on the sensorial epithelium of otolithic organs for creating a biomimetic sensor.](#)
*This paper presents a biomechanical model of the sensorial cells in...*30th April, 2008
Member, IEEE, PhD Student at the PhD School in Biorobotics Science and- Conf Proc IEEE Eng Med
Biol Soc. 2007;2007:4667-70. ([DOI Direct Link](#))
 - [Robotic system for no-scar gastrointestinal surgery.](#)
*INTRODUCTION: Flexible endoscopy allows diagnostic and therapeutic...*17th April, 2008
BioRobotics Laboratory, School of Mechanical and Aerospace Engineering,- Int J Med Robot. 2008
Mar;4(1):15-22. ([DOI Direct Link](#))
 - [Classification of afferent signals recorded with a single cuff electrode.](#)
*The implementation of systems to restore sensorimotor functions in person...*19th March, 2008
Biorobotics lab, Department of Mechanical Engineering, Korea Advanced- Conf Proc IEEE Eng Med
Biol Soc. 2007;2007:2385-8. ([DOI Direct Link](#))
 - [Biomechanical modeling of semicircular canals for fabricating a biomimetic vestibular system.](#)
*This paper presents a biomechanical model of the semicircular canals of...*18th March, 2008
Sch. in Biorobotics Sci. & Eng., IMT Inst. of Adv. Studies, Lucca, Italy.- Conf Proc IEEE Eng Med Biol
Soc. 2006;1:1758-61. ([DOI Direct Link](#))
 - [A model-based parametric study of impact force during running.](#)
*This paper deals with the impact force during foot-ground impact...*9th August, 2007
Biorobotics and Virtual Reality Research Laboratory, Department of- J Biomech. 2007;40(9):2012-21.
Epub 2006 Nov 7. ([DOI Direct Link](#))
 - [A bio-inspired flying robot sheds light on insect piloting abilities.](#)
*When insects are flying forward, the image of the ground sweeps backward...*5th April, 2007
Biorobotics Lab, Movement and Perception Institute, Centre National de la- Curr Biol. 2007 Feb
20;17(4):329-35. Epub 2007 Feb 8. ([DOI Direct Link](#))
 - [A simple 1+ dimensional model of rowing mimics observed forces and motions.](#)
*We have devised a simple, yet predictive model of the mechanics of both...*26th October, 2006
Cornell University, Department of Theoretical and Applied Mechanics,- Hum Mov Sci. 2006
Apr;25(2):192-220. Epub 2006 Feb 3. ([DOI Direct Link](#))
 - [Bone marrow cell differentiation induced by mechanically damaged osteocytes in 3D gel-embedded culture.](#)
*Osteocytes are suggested to have a crucial role in the initial resorptive...*2nd August, 2006
Department of Biorobotics, Faculty of Engineering, Kyushu Sangyo- J Bone Miner Res. 2006
Apr;21(4):616-25. Epub 2006 Apr 5. ([DOI Direct Link](#))
 - [Insect behaviour: Motion camouflage in dragonflies.](#)
*We have devised a simple, yet predictive model of the mechanics of both...*2nd July, 2003
Centre for Visual Science, Research School of Biological Sciences,- Nature. 2003 Jun
5;423(6940):604. ([DOI Direct Link](#))

Press Releases on BioRobotics Limited:

Reportlinker Adds Power Wheelchair Market Shares, Strategies, and Forecasts, Worldwide, 2009 to 2015	20th November, 2009	Reportlinker	<i>NEW YORK, Nov. 20 /PRNewswire/ -- Reportlinker.com announces that a new market research report is available in its catalogue. Power Wheelchair Market Shares, Strategies, and Forecasts, Worldwide,</i>
Reportlinker Adds Toothpaste - Global Market Trends	20th November, 2009	Reportlinker	<i>NEW YORK, Nov. 20 /PRNewswire/ -- Reportlinker.com announces that a new market research report is available in its catalogue. Toothpaste - Global Market Trends http://www.reportlinker.com/p0164389</i>
Reportlinker Adds Imaging Agents - A Worldwide Market Review	20th November, 2009	Reportlinker	<i>NEW YORK, Nov. 20 /PRNewswire/ -- Reportlinker.com announces that a new market research report is available in its catalogue. Imaging Agents - A Worldwide Market Review http://www.reportlinker.com</i>
Reportlinker Adds Blood Pressure Monitoring & Measurement Instruments - A World Market Analysis	20th November, 2009	Reportlinker	<i>NEW YORK, Nov. 20 /PRNewswire/ -- Reportlinker.com announces that a new market research report is available in its catalogue. Blood Pressure Monitoring & Measurement Instruments - A World Market</i>
Omeros Corporation Reports Third Quarter 2009 Financial Results and Development Highlights	19th November, 2009	Omeros Corporation	<i>-- Priced the Company's IPO on October 7, 2009, receiving net proceeds of approximately \$61.8 million, and began trading on The NASDAQ Global Market under the ticker symbol</i>

BioNews Results for BioRobotics Limited



- [Innomed/BioRobotics to be Health Robotics' exclusive strategic partner in Korea](#)
News-Medical.Net: Nov 13 2009 8:09AM Matching: biorobotics
- [Health Robotics Reaches 100% Asia-Pacific Coverage Through its New Exclusive Distribution Contract With BioRob](#)
KSLA: Nov 12 2009 3:32PM Matching: biorobotics
- [Health Robotics Reaches 100% Asia-Pacific Coverage Through its New Exclusive Distribution Contract With BioRobotics in Korea](#)
Yahoo! Canada: Nov 12 2009 4:24PM Matching: biorobotics

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