

Nanogen

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Contact Details:

**10398 Pacific Center Court
San Diego
CA
92121
United States of America**

Tel: 877-626-6436
Fax: 858-410-4952
Email: technicalassistance@nanogen.com

Nanogen integrate advanced microelectronics and molecular biology into a platform technology with potential commercial applications in the biological fields of biomedical research, diagnostics, drug discovery, forensics, agriculture, and environmental testing. The Company's technology may also have applications in the electronics and telecommunications industries. Nanogen are developing an automated system which incorporates a proprietary semiconductor microchip and may provide a flexible tool for the rapid identification and analysis of test samples containing charged molecules.

Recent Publications by Nanogen:



- [5'-MGB probes allow rapid identification of methanogens and sulfate reducers in cold marine sediments by real-time PCR and melting curve analysis.](#)
The analysis of microorganism communities in uncultured environmental... 8th September, 2009
Nanogen Inc., 21720 23rd Drive SE. #150, Bothell, WA 98021, USA.- *Oligonucleotides*. 2009 Sep;19(3):293-8. ([DOI Direct Link](#))
- [Multiplex assay for simultaneously typing and subtyping influenza viruses by use of an electronic microarray.](#)
We report on the use of an electronic microarray to simultaneously type... 28th February, 2009
- *J Clin Microbiol*. 2009 Feb;47(2):390-6. Epub 2008 Dec 10. ([DOI Direct Link](#))
- [NT-proBNP: improved standard in CHF diagnosis.](#)
The analysis of microorganism communities in uncultured environmental... 20th February, 2009
Cardiac Product Development, Nanogen Inc., San Diego, CA, USA.- *MLO Med Lab Obs*. 2008 Dec;40(12):20, 22, 24.
- [Faster, more sensitive flu tests to combat flu pandemic.](#)
We report on the use of an electronic microarray to simultaneously type... 1st January, 2009

- Nanogen Inc., San Diego, CA, USA.- MLO Med Lab Obs. 2008 Oct;40(10):18, 20, 22-4.
- [Evaluation of 5'-MGB hybridization probes for detection of Bordetella pertussis and Bordetella parapertussis using different real-time PCR instruments.](#)
*Rapid and accurate tests capable of distinguishing Bordetella pertussis...*28th May, 2008
 Nanogen- Diagn Microbiol Infect Dis. 2008 Apr;60(4):429-32. Epub 2008 Feb 21. ([DOI Direct Link](#))
 - [Primers with 5' flaps improve real-time PCR.](#)
*Primers that contain portions noncomplementary to the target region are...*11th March, 2008
 Nanogen- Biotechniques. 2007 Dec;43(6):770, 772, 774.
 - [Novel DNA probes with low background and high hybridization-triggered fluorescence.](#)
*Novel fluorogenic DNA probes are described. The probes (called Pleiades)...*1st May, 2007
 Nanogen, Inc., 21720 23rd Drive SE, Suite 150, Bothell, WA 98021, USA.- Nucleic Acids Res. 2007;35(5):e30. Epub 2007 Jan 26. ([DOI Direct Link](#))
 - [Improved bplex quantitative real-time polymerase chain reaction with modified primers for gene expression analysis.](#)
*Stabilizing modified bases incorporated in primers allows the reduction of...*16th January, 2007
 Nanogen, Inc., Bothell, WA 98021, USA.- Oligonucleotides. 2006 Winter;16(4):395-403. ([DOI Direct Link](#))
 - [A novel endonuclease IV post-PCR genotyping system.](#)
*Here we describe a novel endonuclease IV (Endo IV) based assay utilizing a...*21st December, 2006
 Nanogen, 21720 23rd Drive SE, Suite 150, Bothell, WA 98021, USA.- Nucleic Acids Res. 2006;34(19):e128. Epub 2006 Sep 29. ([DOI Direct Link](#))
 - [Influence of imprecision on ROC curve analysis for cardiac markers.](#)
*BACKGROUND: There has been considerable debate regarding the impact of...*4th May, 2006
 Nanogen, Point of Care Diagnostics Division, Toronto, Ontario, Canada.- Clin Chem. 2006 Apr;52(4):752-3. Epub 2006 Feb 9. ([DOI Direct Link](#))
 - [Multiple sample amplification and genotyping integrated on a single electronic microarray.](#)
*We report a novel method that allows simultaneous in situ amplification...*23rd March, 2005
 Nanogen- Electrophoresis. 2004 Oct;25(18-19):3106-16. ([DOI Direct Link](#))
 - [An apprentice in a sorcerer's laboratory.](#)
*We report a novel method that allows simultaneous in situ amplification...*18th July, 2003
 Nanogen, Inc, PO Box- Biophys Chem. 2002 Dec 10;101-102:33-4.
 - [Active microelectronic array system for DNA hybridization, genotyping and pharmacogenomic applications.](#)
*Microelectronic arrays have been developed for DNA hybridization analysis...*14th June, 2003
 Nanogen Inc., 10398 Pacific Center Court, San Diego, CA 92121, USA.- Psychiatr Genet. 2002 Dec;12(4):181-92.
 - [Hydrazide oligonucleotides: new chemical modification for chip array attachment and conjugation.](#)
*We report the synthesis of new phosphoramidite building blocks and their...*26th November, 2002
 Nanogen Recognomics GmbH, Industriepark Höchst G830, 65926 Frankfurt am- Nucleic Acids Res. 2002 Nov 1;30(21):4793-802.

Press Releases on Nanogen:

[Reportlinker Adds Point of Care Diagnostics 2010 and Beyond: Rapid Testing at a Crossroads](#)

5th November, 2009

Reportlinker

NEW YORK, Nov. 5

/PRNewswire/ --

Reportlinker.com announces that a new market research report is available in its catalogue. Point of Care Diagnostics 2010 and Beyond: Rapid Testing at a Crossroads

-- additional comments with a hyperlink leading to the source of information. Index -- 2008 Sales of VEGF/R Antagonists -- VEGF-R Agonists -- Cardiovascular

[Reportlinker Adds Competitor Analysis: VEGF and VEGF-R Agonists and Antagonists](#)

16th October, 2009

Reportlinker

BioNews Results for Nanogen



- [Methods and apparatus for screening and detecting multiple genetic mutations](#)
PharmCast: Oct 30 2009 5:05AM Matching: nanogen
- [Epoch Shares Climb Nearly 10 Percent, Buoyed By Nanogen Patent News](#)
GenomeWeb: Oct 29 2009 11:28AM Matching: nanogen
- [So Underappreciated](#)
GenomeWeb: Oct 16 2009 1:58PM Matching: nanogen
- [Get Your CV Ready](#)
GenomeWeb: Oct 16 2009 1:58PM Matching: nanogen
- [Life Technologies Announces Appointment of Sales Vice President for Next Generation Sequencing](#)
Genetic Engineering News: Oct 14 2009 9:59PM Matching: nanogen
- [Xenomix names new CEO and board member](#)
Individual.com: Oct 7 2009 5:28PM Matching: nanogen

Nanogen Clinical Trials:



- [Comparison of Fluid Rapid Influenza and BinaxNOW Influenza A & B](#)



Nanogen Patents:

- 6726880- [Electronic device for performing active biological operations and method of using same](#)
- 7045097- [Biologic electrode array with integrated optical detector](#)
- 7060224- [Methods for the electronic, homogeneous assembly and fabrication of devices](#)
- 7101661- [Apparatus for active programmable matrix devices](#)
- 7101717- [Addressable biologic electrode array](#)
- 7122327- [Biopolymer markers indicative of type II diabetes](#)
- 7125678- [Protein biopolymer markers predictive of type II diabetes](#)
- 7129229- [Hydrazide building blocks and hydrazide modified biomolecules](#)
- 7135283- [Topoisomerase type II gene polymorphisms and their use in identifying drug resistance and pathogenic strains of microorganisms](#)
- 7135297- [Protein biopolymer markers indicative of insulin resistance](#)
- 7150997- [Multiplexed active biologic array](#)
- 6989086- [Channel-less separation of bioparticles on a bioelectronic chip by dielectrophoresis](#)
- 6960298- [Mesoporous permeation layers for use on active electronic matrix devices](#)
- 6753148- [Methods and apparatus for detecting variants utilizing base stacking](#)
- 6780584- [Electronic systems and component devices for macroscopic and microscopic molecular biological reactions, analyses and diagnostics](#)
- 6821729- [Devices for molecular biological analysis and diagnostics including waveguides](#)
- 6824740- [Apparatus for active biological sample preparation](#)
- 6838053- [Platinum silicide permeation layer device with microlocalions](#)
- 6867048- [Multiplexed active biologic array](#)
- 6887362- [Dielectrophoretic separation and immunoassay methods on active electronic matrix devices](#)
- 6893822- [Enzymatic modification of a nucleic acid-synthetic binding unit conjugate](#)
- 6911310- [Hybridization of polynucleotides conjugated with chromophores and fluorophores to generate donor-to-donor energy transfer system](#)
- 6942778- [Microstructure apparatus and method for separating differently charged molecules using an applied electric field](#)
- 7153955- [Pentopyranosyl nucleic acid arrays, and uses thereof](#)
- 7172864- [Methods for electronically-controlled enzymatic reactions](#)
- 7172896- [Integrated portable biological detection system](#)
- 7314762- [Apolipoprotein biopolymer markers indicative of insulin resistance](#)
- 7315784- [Network for evaluating data obtained in a biochip measurement device](#)
- 7329501- [Interalpha trypsin inhibitor biopolymer markers indicative of insulin resistance](#)
- 7425308- [Systems for the active electronic control of biological reactions](#)
- 7439345- [Supramolecular pairing system, its preparation and use](#)
- 7501506- [Pentopyranosyl nucleic acid conjugates](#)
- 7527939- [Polyclonal-monoclonal ELISA assay for detecting N-terminus proBNP](#)
- 7582421- [Methods for determination of single nucleic acid polymorphisms using a bioelectronic microchip](#)
- 7597932- [Mesoporous permeation layers for use on active electronic matrix devices](#)
- 7601301- [Multiplexed active biologic array](#)
- 7314717- [Biopolymer marker indicative of disease state having a molecular weight of 1562 daltons](#)
- 7314708- [Method and apparatus for electronic synthesis of molecular structures](#)
- 7179605- [Fibronectin precursor biopolymer markers indicative of alzheimer's disease](#)

- 7179610- [Complement C3 precursor biopolymer markers indicative of insulin resistance](#)
- 7186813- [Biomolecules having multiple attachment moieties for binding to a substrate surface](#)
- 7241419- [Circuits for the control of output current in an electronic device for performing active biological operations](#)
- 7256053- [Diagnostic device for analyte detection](#)
- 7267751- [Programmable multiplexed active biological array](#)
- 7270850- [Mesoporous permeation layers for use on active electronic matrix devices](#)
- 7294688- [Biopolymer marker indicative of disease state having a molecular weight of 1348 daltons](#)
- 7300757- [Electronic systems and component devices for macroscopic and microscopic molecular biological reaction, analyses, and diagnostics](#)
- 7314542- [Methods and materials for optimization of electronic transportation and hybridization reactions](#)
- 7601493- [Methods and apparatus for screening and detecting multiple genetic mutations](#)

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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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