

## Applied Molecular

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Applied Molecular Evolution, Inc. (AME) is a leader in the application of directed molecular evolution to improve healthcare by optimizing and developing human biotherapeutics. AME uses its proprietary AMEsystem™ directed molecular evolution technology platform to optimize genes and therapeutic proteins for specific commercial purposes. AME optimizes the full range of proteins, including antibodies, cytokines, hormones and enzymes to develop improved versions of currently marketed, FDA-approved biotherapeutics as well as novel human biopharmaceuticals.

AME has collaborations with leading developers of biotherapeutics including Centocor, Lilly, Chiron, MedImmune, Bristol-Myers Squibb, Seattle Genetics, Cell Matrix and Biosynexus, whose biopharmaceutical projects may benefit from significant optimization of therapeutic and commercial parameters including:

Improved safety, efficacy and potency

Enhanced convenience

Decreased manufacturing costs

Broadened and lengthened patents

### Recent Publications by Applied Molecular:



- [Detection of Fluoroquinolone Antibiotics in Milk via a Labelless Immunoassay Based upon an Alternating Current Impedance Protocol.](#)

*This paper describes the construction of a labelless immunosensor for the...*29th October, 2008  
Cranfield Health, Cranfield University, Silsoe, Bedfordshire, MK45 4DT,- Anal Chem. 2008 Oct 28. ([DOI Direct Link](#))

- [Multifunctional nanoparticles--properties and prospects for their use in human medicine.](#)

*A major aim of medicine has long been the early and accurate diagnosis of...*22nd October, 2008  
Applied Molecular Receptors Group (AMRg), CSIC Networking Research Center- Trends Biotechnol.

- 2008 Aug;26(8):425-33. ([DOI Direct Link](#))
- [Detection of pesticide residues using an immunodevice based on negative dielectrophoresis.](#)  
*The detection of atrazine using a novel optical immunosensing technique...*3rd October, 2008  
 Applied Molecular Receptors Group (AMRg), IIQAB-CSIC, 18-26 Jordi Girona,- Biosens Bioelectron.  
 2008 Aug 28. ([DOI Direct Link](#))
  - [Analysis of the effects of exposure to acute hypoxia on oxidative lesions and tumour progression in a transgenic mouse breast cancer model.](#)  
*BACKGROUND: Tumour hypoxia is known to be a poor prognostic indicator,...*23rd September, 2008  
 Applied Molecular Oncology Division, Ontario Cancer Institute/Princess- BMC Cancer. 2008 May  
 28;8:151. ([DOI Direct Link](#))
  - [Detailed analysis of the serotonin transporter gene \(SLC6A4\) shows no association with bipolar disorder in the Northern Swedish population.](#)  
*Through active reuptake of serotonin into presynaptic neurons, the...*17th September, 2008  
 Applied Molecular Genomics Group, Department of Molecular Genetics, VIB,- Am J Med Genet B  
 Neuropsychiatr Genet. 2008 Sep 15. ([DOI Direct Link](#))
  - [A multianalyte ELISA for immunochemical screening of sulfonamide, fluoroquinolone and ss-lactam antibiotics in milk samples using class-selective bioreceptors.](#)  
*A multianalyte ELISA has been developed for the simultaneous determination...*1st August, 2008  
 Applied Molecular Receptors Group (AMRg), CSIC, CIBER of Bioengineering,- Anal Bioanal Chem.  
 2008 Jul;391(5):1703-12. Epub 2008 May 16. ([DOI Direct Link](#))
  - [Simultaneous immunochemical detection of stanozolol and the main human metabolite, 3'-hydroxy-stanozolol, in urine and serum samples.](#)  
*Two enzyme-linked immunosorbent assays (ELISAs) have been established for...*31st July, 2008  
 Applied Molecular Receptors Group, CSIC, CIBER of Bioengineering,- Anal Biochem. 2008 May  
 15;376(2):221-8. Epub 2008 Feb 19. ([DOI Direct Link](#))
  - [Graded hypoxia modulates the invasive potential of HT1080 fibrosarcoma and MDA MB231 carcinoma cells.](#)  
*Spatial and temporal oxygen heterogeneity exists in most solid tumour...*2nd July, 2008  
 Applied Molecular Oncology Division, Ontario Cancer Institute, Princess- Clin Exp Metastasis.  
 2008;25(3):253-64. Epub 2008 Jan 10. ([DOI Direct Link](#))
  - [The tumor microenvironment and metastatic disease.](#)  
*The microenvironment of solid tumors is a heterogeneous, complex milieu...*11th June, 2008  
 Applied Molecular Oncology, Ontario Cancer Institute, Princess Margaret- Clin Exp Metastasis. 2008  
 Jun 10. ([DOI Direct Link](#))
  - [An impedimetric immunosensor based on interdigitated microelectrodes \(IDmicroE\) for the determination of atrazine residues in food samples.](#)  
*A novel impedimetric immunosensor for atrazine detection has been...*11th June, 2008  
 Applied Molecular Receptors Group (AMRg(1)), CSIC, CIBER of- Biosens Bioelectron. 2008 Apr  
 15;23(9):1367-73. Epub 2007 Dec 23. ([DOI Direct Link](#))
  - [Disulfide symmetric dimers as stable pre-hapten forms for bioconjugation: a strategy to prepare immunoreagents for the detection of sulfophenyl carboxylate residues in environmental samples.](#)  
*A convenient, generic synthesis of bioconjugates from haptens with a thiol...*5th June, 2008  
 Applied Molecular Receptors Group (AMRg), CSIC, CIBER of Bioengineering,- Chemistry.  
 2008;14(6):1906-17. ([DOI Direct Link](#))
  - [Cervical cytology biobanking: quality of DNA from archival cervical Pap-stained smears.](#)  
*AIMS: Cervical cytology biobanking is a feasible concept in cervical...*30th May, 2008  
 Applied Molecular Biology Research (AMBIOR), Laboratory of Cell Biology &- J Clin Pathol. 2008  
 May;61(5):637-41. Epub 2008 Jan 28. ([DOI Direct Link](#))
  - [Immunochemical assays for direct sulfonamide antibiotic detection in milk and hair samples using antibody derivatized magnetic nanoparticles.](#)  
*Two direct enzyme-linked immunosorbent assays (ELISAs) have been developed...*25th April, 2008  
 Applied Molecular Receptors Group, IIQAB-CSIC, CIBER of Bioengineering,- J Agric Food Chem.  
 2008 Feb 13;56(3):736-43. Epub 2008 Jan 5. ([DOI Direct Link](#))

- [Photodynamic inactivation of Enterococcus faecalis in dental root canals in vitro.](#)  
*BACKGROUND AND OBJECTIVES: We previously reported the use of a flexible...* 29th March, 2008  
 Applied Molecular Photomedicine Laboratory, The Forsyth Institute, 140 The- Lasers Surg Med. 2007  
 Dec;39(10):782-7. ([DOI Direct Link](#))

## BioNews Results for Applied Molecular



- [Life Technologies Announces Final Results of Election Regarding Invitrogen and Applied Biosystems Merger Consi](#)  
*Genetic Engineering News: Nov 27 2008 3:01PM Matching: applied molecular*
- [Life Technologies Announces Final Results of Election Regarding Invitrogen and Applied Biosystems Merger Consi](#)  
*DiGiTAL50: Nov 27 2008 7:22AM Matching: applied molecular*
- [Life Technologies Announces Final Results of Election Regarding Invitrogen and Applied Biosystems Merger Consi](#)  
*Genetic Engineering News: Nov 26 2008 10:54PM Matching: applied molecular*
- [Research and Markets: Documentation Given at the 13th International Detection Technologies 2008 Conference](#)  
*DiGiTAL50: Nov 26 2008 12:40AM Matching: applied molecular*
- [Company Profile for Life Technologies Corporation](#)  
*Genetic Engineering News: Nov 22 2008 6:14AM Matching: applied molecular*
- [Roche Diagnostics Corporation](#)  
*BioSpace: Nov 20 2008 6:35PM Matching: applied molecular*
- [Broad Institute of MIT and Harvard Ramps Up Cancer Research by Expanding Its Fleet of SOLiD Systems From Appli](#)  
*SmartBrief: Nov 19 2008 10:23PM Matching: applied molecular*
- [Enigma Diagnostics Launches Field Laboratory \(FL\) System, Fully Automated Real-Time PCR for In-Field Testing](#)  
*Clinical Lab Products: Nov 18 2008 5:44PM Matching: applied molecular*
- [Broad Institute of MIT and Harvard Ramps Up Cancer Research by Expanding Its Fleet of SOLiD Systems From Appli](#)  
*Pharma Live: Nov 17 2008 8:45PM Matching: applied molecular*
- [Broad Institute of MIT and Harvard Ramps Up Cancer Research by Expanding Its Fleet of SOLiD Systems From App](#)  
*DiGiTAL50: Nov 17 2008 7:27PM Matching: applied molecular*
- [Broad Institute of MIT and Harvard Ramps Up Cancer Research byExpanding Its Fleet of SOLiD&#8222; Systems Fr](#)  
*Genetic Engineering News: Nov 17 2008 1:48PM Matching: applied molecular*
- [Broad Institute of MIT and Harvard Ramps Up Cancer Research by Expanding Its Fleet of SOLiD\(TM\)](#)  
*Forbes.com: Nov 17 2008 1:40PM Matching: applied molecular*
- [Broad Institute of MIT and Harvard Ramps Up Cancer Research by Expanding Its Fleet of SOLiD\(TM\) Systems From A](#)  
*TradingMarkets: Nov 17 2008 1:11PM Matching: applied molecular*
- [Broad Institute of MIT and Harvard Ramps Up Cancer Research by Expanding Its Fleet of SOLiD\(TM\) Systems From A](#)  
*Street Insider: Nov 17 2008 12:54PM Matching: applied molecular*
- [Broad Institute of MIT and Harvard Ramps Up Cancer Research by Expanding Its Fleet of SOLiD\(tm\)](#)



## Applied Molecular Patents:

- 7435799- [TNF-.alpha. binding molecules](#)
- 6787638- [Tumor specific human monoclonal antibodies and methods of use](#)
- 6893845- [Surface expression libraries of heteromeric receptors](#)
- 7049121- [Butyrylcholinesterase variant polypeptides with increased catalytic efficiency and methods of use](#)
- 7070973- [Butyrylcholinesterase variants and methods of use](#)
- 7101978- [TNF-.alpha. binding molecules](#)
- 7175996- [Methods of optimizing antibody variable region binding affinity](#)
- 7371382- [Methods of inhibiting .alpha..sub.v.beta..sub.3-mediated binding with .alpha..sub.v.beta..sub.3-specific antibodies](#)
- 7422744- [Methods of treating cancer with alphavbeta3-specific antibodies](#)
- 7422745- [Methods of treating cancer with .sub.v.alpha..beta..sub.3-specific antibodies](#)
- 6656467- [Ultra high affinity neutralizing antibodies](#)

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