

Caloric Restriction

[View the current Caloric Restriction InDepth page on BioPortfolio.com](http://www.bioportfolio.com/indepth/Caloric_Restriction.html)

(http://www.bioportfolio.com/indepth/Caloric_Restriction.html)



Recent Publications on Caloric Restriction:

- [Endurance Exercise as a Countermeasure for Aging.](#)
*Objective: We determined whether reduced insulin sensitivity,...*22nd August, 2008
Division of Endocrinology, Endocrinology Research Unit, Mayo Clinic- Diabetes. 2008 Aug 20. ([DOI Direct Link](#))
- [Role of the GH/IGF-1 axis in lifespan and healthspan: Lessons from animal models.](#)
*Animal models are fundamentally important in our quest to understand the...*20th August, 2008
School of Human and Consumer Sciences, College of Health and Human- Growth Horm IGF Res. 2008 Aug 16. ([DOI Direct Link](#))
- [Drusenoid maculopathy in rhesus monkeys \(Macaca mulatta\): effects of age and gender.](#)
*PURPOSE: To compare drusenoid maculopathy in monkeys with human...*19th August, 2008
Department of Ophthalmology, Columbia University, New York, NY, USA,- Graefes Arch Clin Exp Ophthalmol. 2008 Aug 16. ([DOI Direct Link](#))
- [Caloric stress alters fat characteristics and Hsp70 expression in milk somatic cells of lactating beef cows.](#)
*Selection for higher production rate in cattle inhabiting challenging...*16th August, 2008
Institute of Animal Science, Department of Ruminant Science & Genetics,- Cell Stress Chaperones. 2008 Aug 13. ([DOI Direct Link](#))
- [Increased aerobic metabolism is essential for the beneficial effects of caloric restriction on yeast life span.](#)
*Calorie restriction is a dietary regimen capable of extending life span in...*16th August, 2008
Departamento de Bioquímica, Instituto de Química, Universidade de Sao- J Bioenerg Biomembr. 2008 Aug 15. ([DOI Direct Link](#))
- [Caloric Restriction Optimizes the Proteasome Pathway with Aging in Rat Plantaris Muscle: Implications for Sarcopenia.](#)
*To gain insight into the significance of alterations in the proteasome...*16th August, 2008
University of Calgary.- Am J Physiol Regul Integr Comp Physiol. 2008 Aug 13. ([DOI Direct Link](#))
- [Cell death-inducing DFF45-like effector C is reduced by caloric restriction and regulates adipocyte lipid metabolism.](#)
*Members of the cell death-inducing DFF45-like effector (CIDE) gene family...*16th August, 2008
Department of Molecular and Clinical Medicine, Institute of Medicine, The- Metabolism. 2008 Sep;57(9):1307-13. ([DOI Direct Link](#))
- [Molecular inflammation: Underpinnings of aging and age-related diseases.](#)
*Recent scientific studies have advanced the notion of chronic inflammation...*12th August, 2008

Department of Pharmacy, Longevity Science and Technology Institutes,- Ageing Res Rev. 2008 Jul 18. ([DOI Direct Link](#))

- [Trans-resveratrol: a magical elixir of eternal youth?](#)
*Trans-resveratrol or (E)-resveratrol [3,4',5 trihydroxy-trans-stilbene, t...*12th August, 2008
Departamento de Farmacologia, Facultad de Farmacia, Universidad de- Curr Med Chem. 2008;15(19):1887-98.
- [A life-span extending form of autophagy employs the vacuole-vacuole fusion machinery.](#)
*While autophagy is believed to be beneficial for life-span extension, it...*12th August, 2008
Department of Biology, University of Arkansas, Little Rock, Arkansas, USA.- Autophagy. 2008 Jul 8;4(7).
- [Metabolic MRI of myocardial and hepatic triglyceride content in response to nutritional interventions.](#)
*PURPOSE OF REVIEW: To discuss the technique and clinical applications of...*8th August, 2008
aDepartment of Radiology, The Netherlands bDepartment of Endocrinology,- Curr Opin Clin Nutr Metab Care. 2008 Sep;11(5):573-9. ([DOI Direct Link](#))
- [Molecular cloning and characterization of the sheep malic enzyme cDNA.](#)
*Malic enzyme catalyzes decarboxylation of malate to pyruvate and CO(2,)...*5th August, 2008
Department of Animal Science, Laboratory of Animal Breeding and Husbandry,- Gene. 2008 Jul 10. ([DOI Direct Link](#))
- [Short-term consumption of a resveratrol-containing nutraceutical mixture mimics gene expression of long-term caloric restriction in mouse heart.](#)
*An active area of aging research is focused on identifying compounds...*29th July, 2008
LifeGen Technologies, LLC, Madison, WI 53719, USA.- Exp Gerontol. 2008 Sep;43(9):859-66. Epub 2008 Jul 9. ([DOI Direct Link](#))
- [Dietary protein-carbohydrate ratio: Exogenous modulator of immune response with age.](#)
*Manipulation of dietary variables is one the most described events to...*29th July, 2008
Department of Biochemistry, University of Calcutta, 35 B. C. Road, Kolkata- Immunobiology. 2008;213(7):557-66. Epub 2008 Mar 3. ([DOI Direct Link](#))
- [Long-term effects of caloric restriction or exercise on DNA and RNA oxidation levels in white blood cells and urine in humans.](#)
*Abstract Excessive adiposity is associated with increased oxidative stress...*20th September, 2007
Department of Aging and Geriatrics, Division of Clinical Research,- Rejuvenation Res. 2008 Aug;11(4):793-9. ([DOI Direct Link](#))

Caloric Restriction Patents:



- 6826428- [Gastrointestinal electrical stimulation](#)
- 7033616- [Extracts, compounds and pharmaceutical compositions having anti-diabetic activity and their use](#)
- 7041437- [Therapeutic and diagnostic tools for impaired glucose tolerance conditions](#)
- 7041449- [Methods of screening for compounds that inhibit expression of biomarker sequences differentially expressed with age in mice](#)
- 7060295- [Formulations for the prevention and treatment of insulin resistance and type 2 diabetes mellitus](#)
- 7105292- [Screening methods used to identify compounds that modulate a response of a cell to](#)

ultraviolet radiation exposure

- 7118873- Polynucleotides encoding cellular transporters and methods of use thereof
- 7126040- Mouse model for aging
- 7145019- Photocleavable isotope-coded affinity tags
- 7145032- Therapeutic malonic acid/acetic acid C.sub.60 tri-adducts of buckminsterfullerene and methods related thereto
- 7166611- Pharmaceutical compositions having appetite suppressant activity
- 7015250- Methods and pharmaceutical preparations for normalizing blood pressure with (-)-hydroxycitric acid
- 7005255- Methods for drug discovery, disease treatment, and diagnosis using metabolomics
- 6861256- Therapeutic and diagnostic tools for impaired glucose tolerance conditions
- 6884578- Genes differentially expressed in secretory versus proliferative endometrium
- 6896914- Method for normalizing insulin levels
- 6902744- Exendin agonist formulations and methods of administration thereof
- 6953664- Genes and polynucleotides associated with ultraviolet radiation-mediated skin damage and uses thereof
- 6953666- Biomarkers for oxidative stress
- 6953799- Modulation of cell fates and activities by diketo phthalazines
- 6955873- Diagnosis and treatment system for reward deficiency syndrome (RDS) and related behaviors
- 6987091- Sir2 products and activities
- 6989400- Treatment of benign prostatic hyperplasia
- 7186754- Use of creatine or creatine compounds for skin preservation
- 7220892- Transgenic mouse lacking PAPP-A activity
- 7226792- Method for selecting an optimal diet and exercise regimen based on LDL and HDL subclass determination
- 7371378- Modified human IGF-IR antibodies
- 7371575- Process for ex vivo formation of mammalian bone and uses thereof
- 7375111- Compositions for affecting weight loss
- 7399489- Exendin analog formulations
- 7399744- Methods for affecting body composition
- 7402724- Longevity and PAPP-A
- 7404221- Reciprocating movement platform for the external addition of pulses to the fluid channels of a subject
- 7406384- System and method for identifying networks or ternary relationships in complex data systems
- 7414077- Therapeutic intervention to mimic the effect of caloric restriction
- 7414169- Therapeutic and diagnostic tools for impaired glucose tolerance conditions
- 7345178- Sirtuin modulating compounds
- 7335651- Compositions incorporating(-)-hydroxycitric acid and related methods for promoting fat oxidation
- 7229826- Process for ex vivo formation of mammalian bone and uses thereof
- 7230091- CCT protein expression promoter
- 7241743- Sir2.alpha.-based therapeutic and prophylactic methods
- 7267946- Mitochondrial DNA damage as a predictor of coronary atherosclerotic heart disease
- 7271278- Application of chromium-amino acid complexes in the treatment of diabetes and other diseases
- 7291499- Transformed cell, method of screening anti-aging agent and anti-aging agent
- 7291606- Compositions and methods for identifying agents which regulate chromosomal stability, gene activation and aging
- 7323480- Substituted triazoles as modulators of PPAR and methods of their preparation
- 7326690- Modulation of cell fates and activities by phthalazinediones
- 7329489- Methods for drug discovery, disease treatment, and diagnosis using metabolomics
- 7416744- Extracts, compounds and pharmaceutical compositions having anti-diabetic activity and their

[use](#)

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

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)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Wessex Barn, Dorchester Road, Frampton, Dorset, DT2 9NB, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2008 - BioPortfolio Limited.

