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Pain’s in the Genes

How much pain people feel.

A subtle genetic variant seems to dictate how much pain people feel. Expectant moms’ bad eating habits may hurt boys more than girls.

And the Winners of Our Blogging Contest Are …

What do the winners of our blogging contest actually have in common?

A Peroxidase/Dual Oxidase System Modulates Midgut Epithelial Immunity in Anopheles gambiae

S. Kumar et al.

Bonding between cell-surface proteins forms a physical barrier in mosquito guts to prevent microbe invasion.

Detection of a Large-Scale Structure of Intracluster Globular Clusters in the Virgo Cluster

M. G. Lee et al.

Extensive regions of mass have been located between the galaxies of the Virgo cluster.

A Fast Soluble Carbon-Free Molecular Water Oxidation Catalyst Based on Abundant Metals

Q. Yin et al.

Bulky polytungstate ligands stabilize a cobalt-based catalyst highly active for splitting water.

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Caspase-Dependent Conversion of Dicer Ribbononuclease into a Death-Promoting Deoxyriboonuclease

A. Nakagawa et al.

An enzyme that chops up RNA can be switched to DNA fragmentation and can trigger programmed cell death in worms.

Analysis of Genetic Inheritance in a Family Quartet by Whole-Genome Sequencing

J. C. Roach et al.

Genomic sequencing of an entire family reveals the rate of spontaneous mutations in humans and identifies disease genes.

SCIENCE

10.1126/science.1185372

Q. Yin

Oxidation Catalyst Based on Abundant Metals

A Fast Soluble Carbon-Free Molecular Water Oxidation Catalyst Based on Abundant Metals

10.1126/science.1186496

M. G. Lee

Virgo Cluster

Intracluster Globular Clusters in the Virgo Cluster

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Audacity, Part 4: Taking Liberties

With Research Grants?

A. Sasso

Should you propose safe research and then use the money for riskier work?

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Comparative Effectiveness Research

K. Hede

Recovery Act funding will boost a field focused on health care costs and quality.

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Monkeys reveal genetics advantage against HIV.

RESEARCH ARTICLE: MHC Heterozygote Advantage in Simian Immunodeficiency Virus-Infected Mauritian Cynomolgus Macaques

S. L. O’Connor et al.

Heterozygote advantage in macaque monkeys reveals that HIV vaccine should elicit broad CD8+ T cell responses.

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RESEARCH ARTICLE: Pin1 and PKMζ Sequentially Control Dendritic Protein Synthesis

P. R. Westmark et al.

MEMORY: PiNe for Things Past

I. C. Sacktor

Memory storage requires the inhibition of a peptidyl-prolyl isomerase to enable synthesis of the kinase PKMζ.

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