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525 A Role for SIRT2-Dependent Histone H3K18 Deacetylation in Bacterial Infection
H. A. Eskandarian et al.
The bacterial pathogen Listeria monocytogenes exploits histone modifications to reprogram its host.
Research Article Summary; for full text: http://dx.doi.org/10.1126/science.1238858

526 The Evolution of Social Monogamy in Mammals
D. Lukas and T. H. Clutton-Brock
Social monogamy developed in mammalian species where males could not defend access to multiple females.
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530 Hierarchical Porous Polymer Scaffolds from Block Copolymers
H. Sai et al.
Spinodal decomposition of block copolymers and oligomeric additives produces three-dimensional hierarchical porous polymers.

534 Liquid-Mediated Dense Integration of Graphene Materials for Compact Capacitive Energy Storage
X. Yang et al.
Electrochemical capacitors made with compressed gels of chemically converted graphene exhibit high energy density.

537 Detection of a Spinning Object Using Light’s Orbital Angular Momentum
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A thermal process for generating H₂ from water uses pressure changes to recycle between catalyst redox states.
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The net volume of geothermal fluid extracted is the most direct control on induced seismicity rate.

546 Two Dimensions of Value: Dopamine Neurons Represent Reward But Not Aversiveness
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Experiments in monkeys suggest that positive and negative expectations are represented by different types of neurons.

549 Functional Lysine Modification by an Intrinsically Reactive Primary Glycolytic Metabolite
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554 Cytochrome P450 Drives a HIF-Regulated Behavioral Response to Reoxygenation by C. elegans
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A worm model of ischemia-reperfusion injury reveals protective mechanisms potentially relevant to stroke and heart attack.

558 Seqeuencing Y Chromosomes Resolves Discrepancy in Time to Common Ancestor of Males Versus Females
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562 Low-Pass DNA Sequencing of 1200 Sardinian Men’s Y Chromosomes Reconstructs European Y-Chromosome Phylogeny
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Local human demographic history is inferred from in-depth DNA sequence analyses of Sardinian men’s Y chromosomes.
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569 The Microbial Metabolites, Short-Chain Fatty Acids, Regulate Colonic Treg Cell Homeostasis
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Bacterial fermentation products regulate the number and function of regulatory T cells in the mouse colon.
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