REPORTS

786 **Cyclic GMP-AMP Synthase Is a Cytosolic DNA Sensor That Activates the Type I Interferon Pathway**
L. Sun et al.
Cyclic guanosine monophosphate–adenosine monophosphate synthase is identified and shown to be activated by DNA, but not RNA, in mammalian cells.

807 **Detection of the Characteristic Pion-Decay Signature in Supernova Remnants**
M. Ackermann et al.
The gamma-ray spectra of two supernova remnants in our Galaxy show the signature of pion acceleration.

811 **Crystalline Inorganic Frameworks with 56-Ring, 64-Ring, and 72-Ring Channels**
H.-Y. Lin et al.
Gallium zincophosphate materials with nanometer-scale channels were made using amine templates bearing long alkyl chains.

814 **Deplete Concentrations of a Psychiatric Drug Alter Behavior of Fish from Natural Populations**
T. Brodin et al.
Anxiolytic drugs, at concentrations found in natural waterways, alter the behavior and foraging rate of wild European perch.

REPORTS

791 **Universal Computation by Multiparticle Quantum Walk**
A. M. Childs et al.
A scalable quantum computer architecture based on multiple interacting quantum walkers is proposed.

794 **Photonic Boson Sampling in a Tunable Circuit**
M. A. Broome et al.

798 **Boson Sampling on a Photonic Chip**
J. B. Spring et al.
Optical circuits are used to demonstrate a quantum-enhanced calculation.

801 **Observation of Radiation Pressure Shot Noise on a Macroscopic Object**
T. P. Purdy et al.
A light, visible-to-the-naked-eye membrane is observed to fluctuate in step with the photons used to measure its position.

804 **Similarity of Scattering Rates in Metals Showing T-Linear Resistivity**
J. A. N. Bruin et al.
Transport measurements show little variation across metals with resistivity that scales linearly with temperature.

823 **RNA-Guided Human Genome Engineering via Cas9**
P. Mali et al.
A bacterial genome defense system is adapted to function as a genome-editing tool in mammalian cells.

826 **Cyclic GMP-AMP Is an Endogenous Second Messenger in Innate Immune Signaling by Cytosolic DNA**
J. Wu et al.
Cyclic guanosine monophosphate–adenosine monophosphate acts as a second messenger that turns on antiviral immunity in response to cytoplasmic DNA.

830 **Prediction Error Governs Pharmacologically Induced Amnesia for Learned Fear**
D. Sevenster et al.
Human fear memory labilization can be assessed noninvasively, independent of whether reconsolidation occurs.