

SPECIAL SECTION

Cancer Crusade at 40**INTRODUCTION**

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**COVER**

False-color scanning electron micrograph of cells from pancreatic cancer (cell in center is ~10 μm across), one of the cancer types whose incidence and mortality rates have not changed significantly since the 1970s. The United States National Cancer Act, signed in 1971, aimed to eliminate cancer deaths through a massive increase in research funding. A special section beginning on p. 1539 examines the state of this Cancer Crusade 40 years later.

Image: Anne Weston, Cancer Research UK, Visuals Unlimited, Inc.

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C. Hemingway et al.

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A. Simionescu et al.
The Suzaku satellite provides a census of the gas, metals, and dark matter out to the outskirts of the Perseus Cluster.

1579 From a Single-Band Metal to a High-Temperature Superconductor via Two Thermal Phase Transitions

R.-H. He et al.
Three techniques are used to probe the pseudogap state of cuprate high-temperature superconductors.

1583 The Bonding Electron Density in Aluminum

P. N. H. Nakashima et al.
A combination of microscopy and first-principle calculations is used to study the bonding charge density in aluminum.
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1587 Revealing Extraordinary Intrinsic Tensile Plasticity in Gradient Nano-Grained Copper

T. H. Fang et al.
Nanometer-sized grain copper confined by a graded substrate leads to a material with both high strength and high ductility.

1590 Self-Recognition Among Different Polyprotic Macroions During Assembly Processes in Dilute Solution

T. Liu et al.
Differences in surface charge and water mobility allow slightly different inorganic macroions to self-assemble separately.

1592 Widespread Persistent Thickening of the East Antarctic Ice Sheet by Freezing from the Base

R. E. Bell et al.
A large fraction of the ice at Dome A, Antarctica, did not form by the usual process of snowfall compaction.
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1596 Early Pleistocene Presence of Acheulian Hominins in South India

S. Pappu et al.
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J. C. Cisneros et al.
Tiarajudens extends the date of dental occlusion and suggests why the members of this Permian group were such diverse and successful herbivores.
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1606 Social and Ecological Synergy: Local Rulemaking, Forest Livelihoods, and Biodiversity Conservation

L. Persha et al.
Participation in tropical forest governance by local people results in positive outcomes for conservation and subsistence.

1609 Impacts of Salmon on Riparian Plant Diversity

M. D. Hocking and J. D. Reynolds
A survey of Canadian forests reveals the effects of nutrient subsidies from salmon on plant community structure.

1612 CD40 Agonists Alter Tumor Stroma and Show Efficacy Against Pancreatic Carcinoma in Mice and Humans

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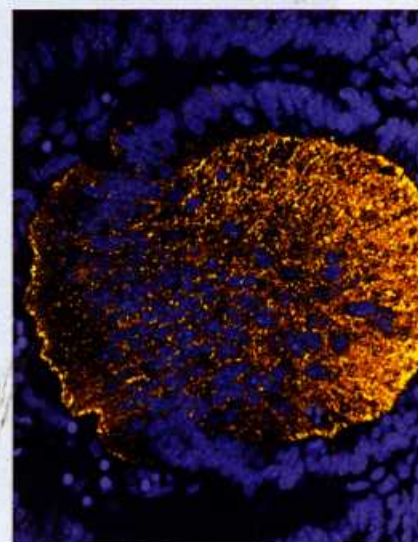
1621 FGF19 as a Postprandial, Insulin-Independent Activator of Hepatic Protein and Glycogen Synthesis

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Fibroblast growth factor 19 regulates liver metabolism through a mechanism distinct from that of insulin.
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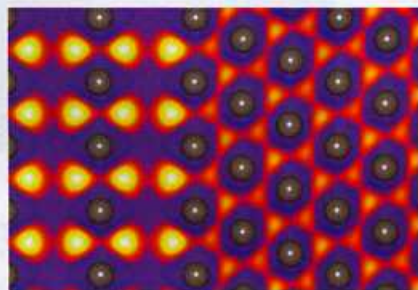
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A histone methyltransferase and an RNA export protein team up to clobber aberrant RNAs in fission yeast.

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