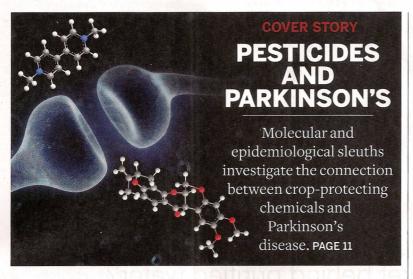
VOLUME 91, NUMBER 47 NOVEMBER 25, 2013

CAEI

Serving the chemical, life sciences, and laboratory worlds

CHEMICAL & ENGINEERING NEWS



QUOTE OF THE WEEK

"Sometimes you have to take intellectual risks to advance science."

PRATIBHA GAI, JEOL PROFESSOR OF ELECTRON MICROSCOPY, UNIVERSITY OF YORK PAGE 32

8

NEWS OF THE WEEK

NEW ACS PRESIDENT-ELECT

Petition candidate Diane Grob Schmidt wins this year's vote; four board members are also chosen.

PHARMA SERVICES GIANT AWAKENS

DSM, Patheon merger creates a one-stop shop for fine chemicals, finished products.

IMPROVING DRUG SAFETY

Bill on President Obama's desk aims to ensure the safety, traceability of prescription drug supply.

CANCER PROTEIN STOPPED IN TRACKS 7 Inhibitor of disease-associated Ras protein could

lead to cancer therapies. **DISMANTLING SYRIA'S TOXIC ARSENAL**

Just where the arms and precursors will be

destroyed is unknown—but their removal is set. **CHEMOTHERAPY SANS ANTIBIOTICS**

Gut bacteria levels affect efficacy of cancer drugs in mice, with low levels crimping effectiveness.

LOWERING BIOFUELS TARGETS

EPA proposes reduced renewable fuels targets; oil and biofuels industries object for opposite reasons.

CROSS-COUPLING GOES GREEN

Water-based technique makes the widely used Suzuki-Miyaura cross-coupling reaction even more versatile.

GENOMICS PIONEER DIES

Two-time Nobel Laureate Frederick Sanger helped spark a life sciences renaissance.

BUSINESS

CONCENTRATES

BUILDING A BETTER LACTIDE

Two biobased chemical firms take different approaches to lactic acid derivatives.

CHEMICALS MAKE A COMEBACK AT BP

New acetic acid process and dehydration technology may breathe life into the firm's chemical business.

GOVERNMENT & POLICY

CONCENTRATES

CAPTURING CARBON TO SAVE COAL

Coal advocates search for a way to make an expensive, young emissions mitigation technology attractive.

SCIENCE & TECHNOLOGY

CONCENTRATES

FIGURING OUT ENZYMES

Enzyme Function Initiative develops tools to determine what specific protein sequences



PRATIBHA GAI

C&EN talks with a prizewinning microscopist who watches "live" reactions.

THE DEPARTMENTS

- 3 **EDITOR'S PAGE**
- 4 **LETTERS**
 - **ACS NEWS**
- 36 **CLASSIFIEDS**



