

PHILADELPHIA, Sept. 25, 2013 /PRNewswire/ -- The [IP & Science business of Thomson Reuters](#), the world leader in intelligent information for businesses and professionals, announced its 2013 "Nobel-class" Citation Laureates today. Having accurately forecast 27 Nobel Prize winners since its inception in 2002, the annual Thomson Reuters Citation Laureates study mines scientific research citations to identify the most influential researchers in the fields of chemistry, physics, medicine and economics.

This year, noteworthy nominees on the Thomson Reuters list include Francois Englert and Peter W. Higgs for their prediction of the Brout-Englert-Higgs boson particle in the field of physics; and, in the field of economics, Sam Peltzman and Richard A. Posner for their work extending economic theories of regulation. Nominees in the field of medicine include Adrian P. Bird, Howard Cedar and

Aharon Razin

for their fundamental discoveries concerning DNA methylation and gene expression. Chemistry nominees include

M.G. Finn

,

Valery V. Fokin

and

K. Barry Sharpless

for their development of modular click chemistry. If selected, this would be Sharpless's second Nobel Prize (he won in 2001 for his work on chirally catalyzed oxidation reactions).

The complete list of Nobel predictions includes 28 researchers representing 22 distinct academic and research organizations, and six different countries.

"Scientific research citations function as a repayment of an intellectual debt," said Gordon Macomber

, managing director, Thomson Reuters Scholarly & Scientific Research. "By analyzing these citations in aggregate over many years, we are able to identify individual researchers and institutions that have the greatest impact on their fields of study and, as a result, are most likely to capture the attention of the Nobel jury."

The annual Thomson Reuters Citation Laureates study is based on analysis of proprietary data from the Thomson Reuters research and citation database, [Web of Science](#)™, which identifies the most influential researchers in the categories of chemistry, physics, physiology or medicine, and economics. Based on a thorough review of citations to each person's research, the company names these high-impact researchers as Thomson Reuters Citation Laureates and predicts they will be Nobel Prize winners, either this year or in the future.

For detailed information about the Citation Laureates and their fields of research, and to view previously named Citation Laureates whom Thomson Reuters considers continuing contenders for a Nobel Prize, visit Thomson Reuters [ScienceWatch](#), an open-Web resource for science metrics and research performance analysis. Thomson Reuters works with academic institutions and funding bodies globally using its unique data and the methodology underlying the Citation Laureates program to identify top and emerging talent across disciplines. Read more information about the insights that can be gleaned from [bibliometric data](#).

Thomson Reuters Predicts 2013 Nobel Laureates

Written by Australian Business

Follow [@TR_ScienceWatch](#) on Twitter for up-to-the-minute news on the predictions and deeper insight into their fields of research. Facebook users are encouraged to submit their own predictions for the 2013 Nobel Prize winners and take part in Nobel discussions on the Web of Knowledge [Facebook page](#).

The 2013 Thomson Reuters Citation Laureates by Nobel Prize category are:

CHEMISTRY

A. Paul Alivisatos	Samsung Distinguished Professor of Nanoscience and Nanotechnology, and Pr
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Berkeley, CA, USA

-and-

Chad	A. Mirkin	George B. Rathmann Professor of Chemistry
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Northwestern University

Evanston, IL, USA

-and-

Nadrian C. Seeman Margaret and Herman Sokol Professor of Chemistry New York University

New York, NY, USA

For contributions to DNA nanotechnology

Bruce N. Ames Senior Scientist and Professor Emeritus, Biochemistry and Molecular Biology Center, University of California, Berkeley, CA, USA

For the invention of the Ames test of mutagenicity

M.G. Finn

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Professor of Chemistry and Biochemistry Georgia Institute of Technology

Atlanta, GA, USA

-and-

Valery V. Fokin Associate Professor of Chemistry The Scripps Research Institute La Jolla, CA, U

-and-

K. Barry Sharpless W.M. Keck Professor of Chemistry The Scripps Research Institute La Jolla, CA, USA

PHYSICS

Francois Englert Professor Emeritus and Distinguished Visiting Professor in Residence, Chapma

-and-

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Peter W. Higgs

Professor EmeritusUniversity of Edinburgh

Edinburgh, Scotland, UK

For their prediction of the Brout-Englert-Higgs boson

Hideo Hosono

Professor, Materials and Structures Laboratory and Director of

Materials Research Center for Element Strategy

Tokyo Institute of Technology

Yokohama, Japan

For his discovery of iron-based superconductors

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Geoffrey W. Marcy	Professor of Astronomy
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University of California,	Berkeley
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Berkeley, CA, USA

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-and-

Michel Mayor

Emeritus Professor

University of Geneva

Geneva, Switzerland

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-and-

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Didier Queloz

Professor

University of Cambridge, Cambridge, UK and University of Geneva, Geneva, Switzerland

For their discoveries of extrasolar planets

PHYSIOLOGY or MEDICINE

Adrian P. Bird

Buchanan Professor of Genetics University of Edinburgh

Edinburgh, Scotland, UK

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-and-

Howard Cedar

Edmond J. Safra Distinguished Professor Emeritus

Hebrew University of Jerusalem

Jerusalem, Israel

-and-

Aharon Razin

Professor of Biochemistry Emeritus

Hebrew University of Jerusalem

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Jerusalem, Israel

For their fundamental discoveries concerning DNA methylation and gene expression

Daniel J. Klionsky

Alexander G. Ruthven Professor of Life Sciences

University of Michigan

Ann Arbor, MI, USA

-and-

Noboru Mizushima

Professor, Biochemistry and Molecular Biology

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Graduate School and Faculty of Medicine

University of Tokyo

Tokyo Japan

-and-

Yoshinori Ohsumi

Professor, Frontier Research CenterTokyo Institute of TechnologyYokohama, Japan

For elucidating the molecular mechanisms and physiological function of autophagy

Dennis J. Slamon

Professor, Chief, and Executive Vice Chair for Research

Department of Medicine, Hematology/Oncology and Director of Revlon/UCLA Women's Cancer Research

University of California Los Angeles

Los Angeles, CA, USA

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For his pioneering research identifying the HER-2/neu oncogene, leading to more effective cancer therapies

ECONOMICS

Joshua D. Angrist Ford Professor of Economics

Massachusetts Institute of Technology

Cambridge, MA, USA

-and-

David E. Card

Class of 1950 Professor of Economics

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University of California, Berkeley

Berkeley, CA, USA

-and-

Alan B. Krueger Bendheim Professor of Economics Princeton University

Princeton, NJ, USA

For their advancement of empirical microeconomics

Sir David F. Hendry Professor of Economics University of Oxford

Oxford, England, UK

-and-

Thomson Reuters Predicts 2013 Nobel Laureates

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M. Hashem Pesaran John Elliot Distinguished Chair in Economics & Professor of Economics, and En

University of Southern California, Los Angeles, CA, USA and University of Cambridge, Cambridge, Engl

-and-

Peter C.B. Phillips

Sterling Professor of Economics and Professor of Statistics

Yale University

New Haven, CT, USA

For their contributions to economic time-series, including modeling, testing and forecasting

Sam Peltzman

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Ralph and Dorothy Keller Distinguished Service Professor of Economics Emeritus

University of Chicago Booth School of Business

Chicago, IL, USA

-and-

Richard A. Posner Judge, United States Seventh Circuit Court of Appeals, and Senior Lecturer

University of Chicago Law School

Chicago, IL, USA For extending economic theories of regulation

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Minnesota

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