

The Wiley Prize in Biomedical Sciences

Enabling discovery in biological systems and processes. We honor your breakthrough discoveries because research impacts all of us.

W > Prizes > Biomedical Sciences

About Our Prize

The Wiley Prize in Biomedical Sciences recognizes and fosters ongoing excellence in scientific achievement and discovery. "We seek to honor research that is distinguished by its excellence, originality and impact on our understanding of biological systems and processes," explains Deborah Wiley, Chair of the Foundation.

This international award is presented annually and consists of a \$50,000 prize and a luncheon in honor of the recipient(s). The prize winner(s) also give(s) a lecture on their

Our Jury



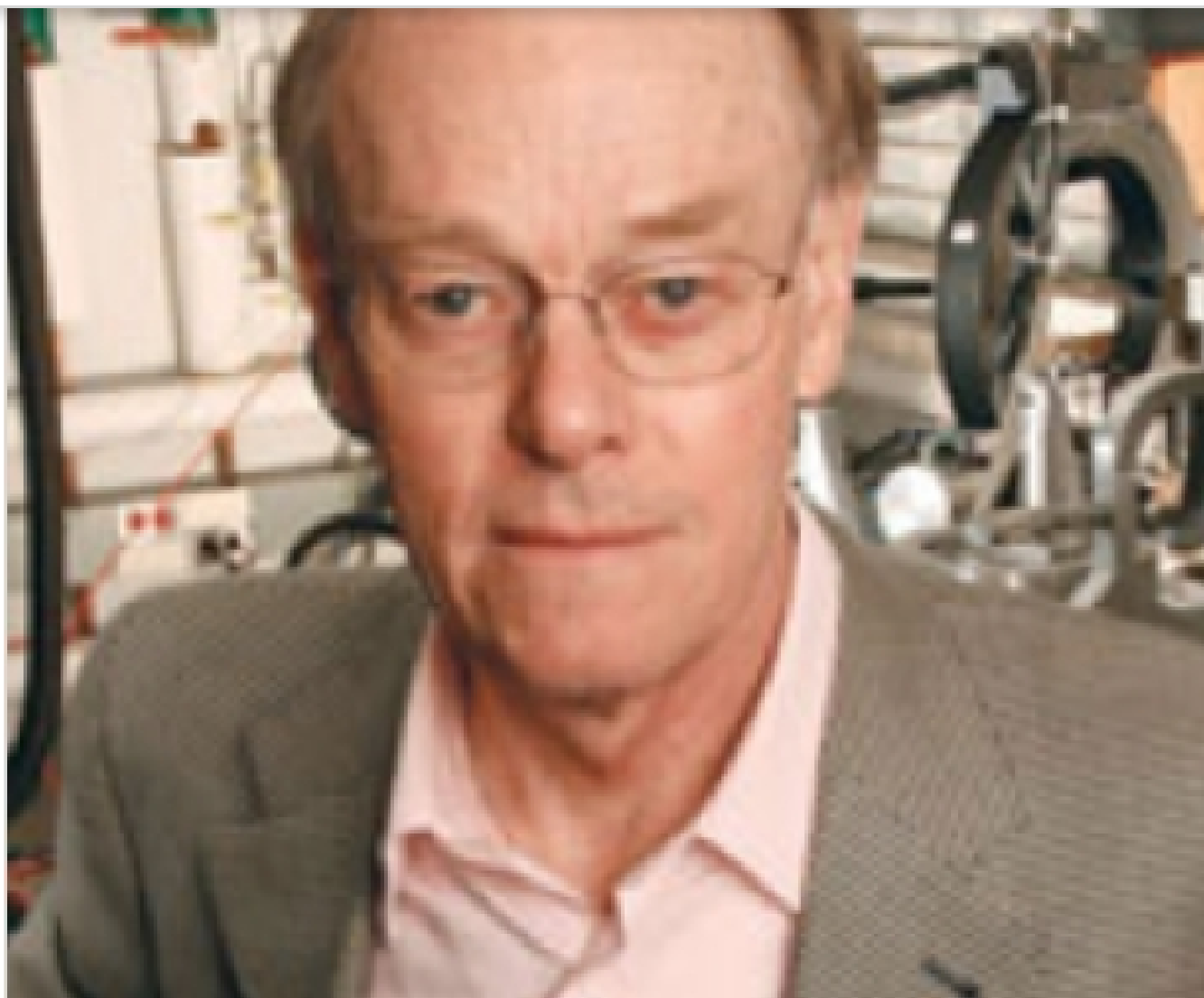
Dr. Titia de Lange, Chair

Professor of Cell Biology and Genetics, The Rockefeller University



Dr. Qais Al-Awqati

*Columbia University, College of Physicians & Surgeons, Robert F. Loeb Professor of
Medicine*



Dr. Wayne A. Hendrickson

Professor of Biochemistry and Molecular Biophysics, Columbia University



Dr. Joan Steitz

Yale School of Medicine



Dr. H. Robert Horvitz

HHMI Investigator, Massachusetts Institute of Technology



Dr. Richard P. Lifton

President, The Rockefeller University

Our Founding Chair



Dr. Günter Blobel

John D. Rockefeller, Jr. Professor, HHMI Investigator, Laboratory of Cell Biology



Recognize breakthrough research

We invite nominations of exceptional scientists or research teams whose work champions novel approaches and challenges thinking in the biomedical sciences.

[Nominate Today](#)

Our Award Recipients

From genetics and cell motility to folded proteins and siRNA, previous recipients have been chosen because of their groundbreaking research across diverse areas. The impressive list of past awardees includes winners of the Nobel Prize and the Lasker Prize in basic medical research.

[2023 Award Ceremony and Lecture >](#)

2023

The 21st annual Wiley Prize in Biomedical Sciences was awarded to Michael Welsh, Paul Negulescu, Fredrick Van Goor, and Sabine Hadida for research and development leading to medicines that effectively treat cystic fibrosis by correcting the folding, trafficking, and functioning of the mutated cystic fibrosis transmembrane regulator (CFTR).

[Watch The Video >](#)[Read The Press Release >](#)



Sabine Hadida



Paul Negulescu



Fred Van Goor

**Michael Welsh**

2022

The 20th annual Wiley Prize in Biomedical Sciences was awarded to David Baker, Demis Hassabis, and John Jumper for procedures to predict highly accurate three-dimensional structures of protein molecules from their amino-acid sequences.



John Jumper



Demis Hassabis

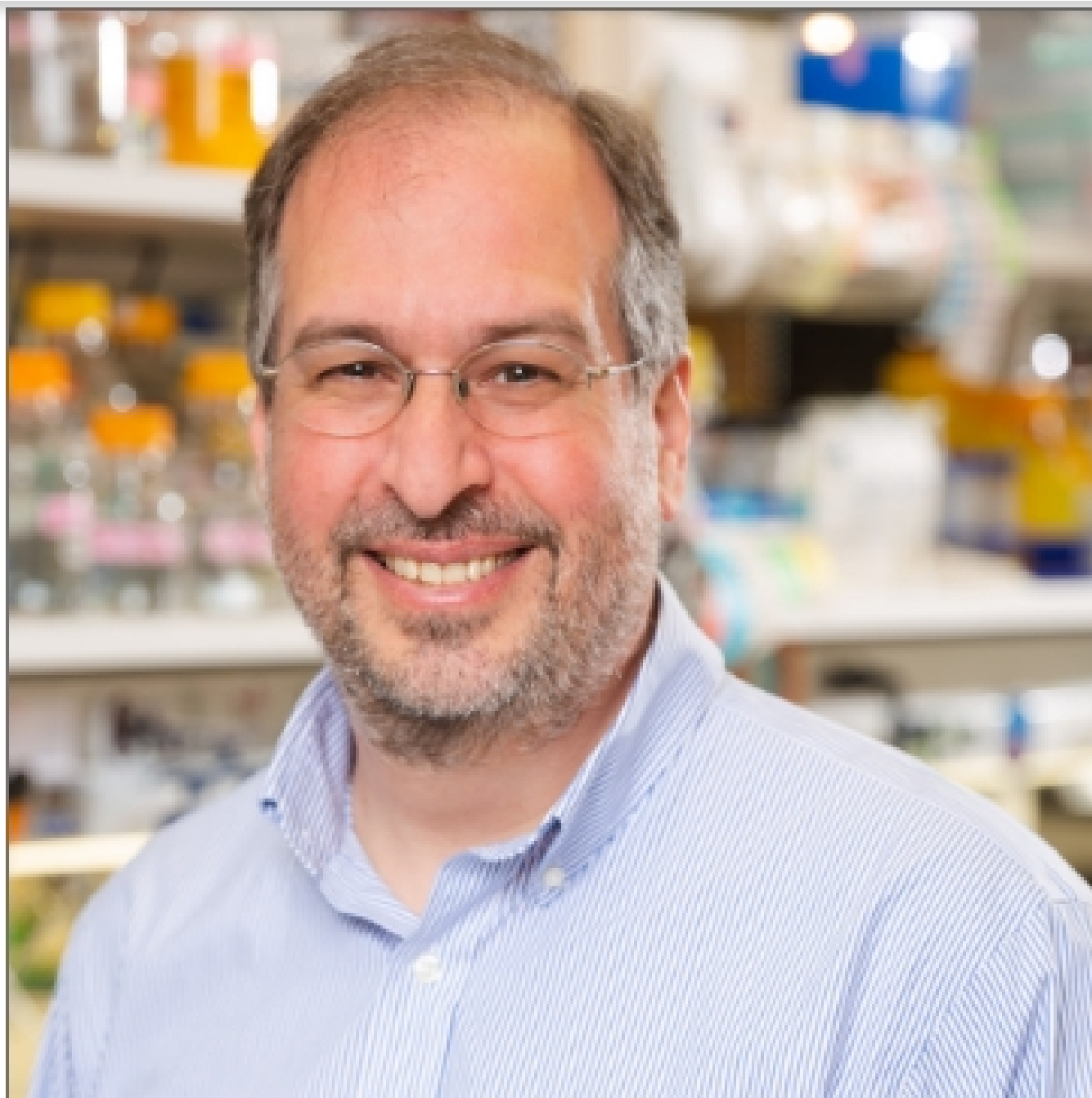


David Baker

2021



The 19th annual Wiley Prize in Biomedical Sciences was awarded to Clifford Brangwynne, Anthony Hyman, and Michael Rosen for revealing a new principle for subcellular compartmentalization based on the formation of phase-separated biomolecular condensates, a process implicated in both physiological and pathological events.



Dr. Michael Rosen



Dr. Clifford Brangwynne



Dr. Anthony Hyman

2020



Due to the COVID-19 pandemic, the 19th annual Wiley Prize in Biomedical Sciences was awarded in 2021.

2019





Dr. Svante Pääbo



Dr. David Reich

2018



The 17th annual Wiley Prize in Biomedical Sciences was awarded to Lynne Maquat for elucidating the mechanism of nonsense-mediated messenger RNA decay, a fundamental process whereby cells remove defective transcripts that can encode toxic proteins.

[Read The Press Release](#) >



Dr. Lynne Maquat

2017



The 16th annual Wiley Prize in Biomedical Sciences was awarded to Joachim Frank, Richard Henderson, and Marin van Heel for pioneering developments in electron microscopy that are transforming structural studies of biological molecules and their complexes.



Dr. Richard Henderson



Dr. Marin van Heel



Dr. Joachim Frank

2016



The 15th annual Wiley Prize in Biomedical Sciences was awarded to Yoshinori Ohsumi for his studies of autophagy — the discovery of how cells recycle their components in an orderly manner.

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Dr. Yoshinori Ohsumi

2015



The 14th annual Wiley Prize in Biomedical Sciences was awarded to Evelyn M. Witkin and Stephen Elledge for their studies of the DNA damage response.



Dr. Stephen Elledge



Dr. Evelyn M. Witkin

2014

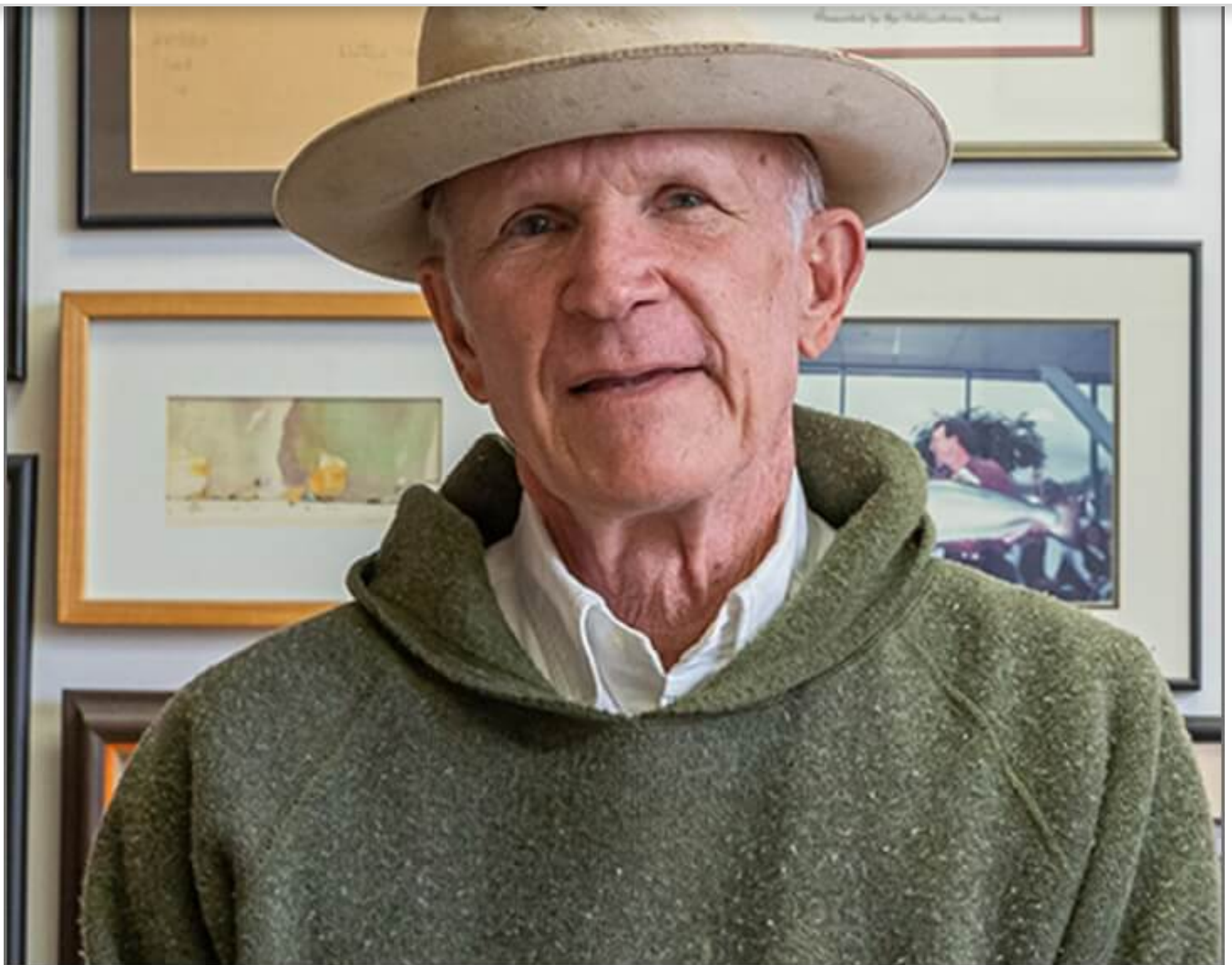


The 13th annual Wiley Prize in Biomedical Sciences was awarded to William G. Kaelin, Jr., Steven McKnight, Peter J. Ratcliffe, and Gregg L. Semenza, were honored for their work in oxygen sensing systems.

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Dr. William Kaelin



Dr. Stephen McKnight



Dr. Peter Ratcliffe



Dr. Gregg L. Semenza

2013



The 12th annual Wiley Prize in Biomedical Sciences was awarded to Michael Young, Jeffrey Hall, and Michael Rosbash for the discovery of the molecular mechanisms governing circadian rhythms.



Dr. Michael Young



Dr. Michael Rosbash



Dr. Jeffrey Hall

2012



The 11th Annual Wiley Prize in Biomedical Sciences was awarded to James Spudich, Michael Sheetz, and Ronald Vale for explaining how cargo is moved by molecular motors



Dr. Ronald Vale



Dr. Michael Sheetz



James Spudich

2011



The 10th Annual Wiley Prize in Biomedical Sciences was awarded to Lily Jan and Yuh Nung Jan for their molecular identification of a founding member of a family of potassium ion channels that control nerve cell activity throughout the animal kingdom.

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Dr. Lily Jan and Dr. Yuh Nung Jan

2010



The 9th Annual Wiley Prize in Biomedical Sciences was awarded to Peter Hegemann, Georg Nagel, and Ernst Bamberg for their discovery of channelrhodopsins, a family of light-



Dr. Peter Hegemann



Dr. Georg Nagel



Dr. Ernst Bamberg

2009



The 8th annual Wiley Prize in Biomedical Sciences is awarded to Bonnie Bassler for pioneering investigations of quorum sensing, a mechanism that allows bacteria to "talk" to each other to coordinate their behavior, even between species.



Dr. Bonnie Bassler

2008



The 7th annual Wiley Prize in Biomedical Sciences was awarded to Richard P. Lifton for his discovery of the genes that cause many forms of high and low blood pressure in humans.



Dr. Richard P. Lifton

2007



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Dr. F. Ulrich Hartl

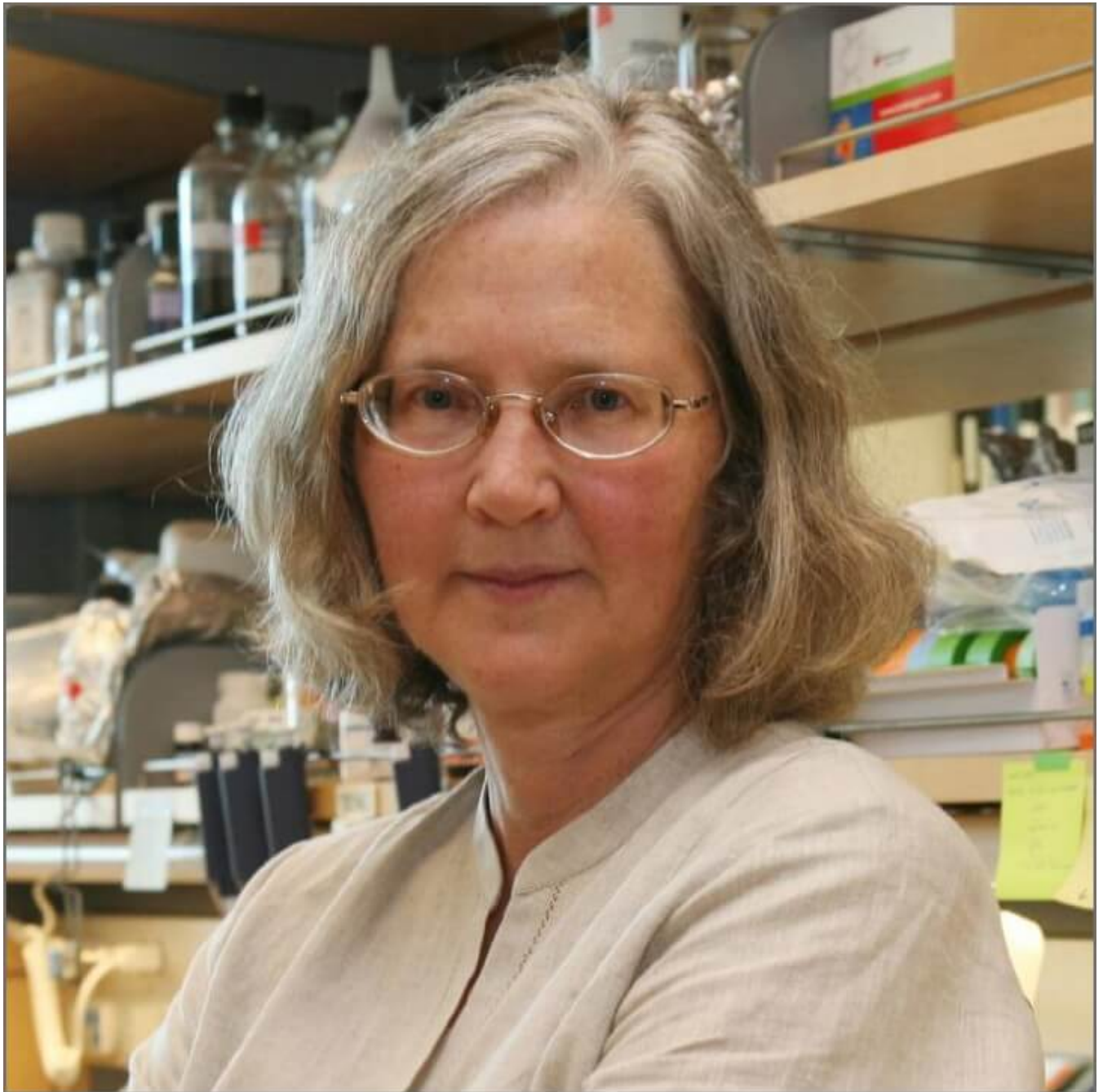


Dr. Arthur L. Horwich

2006



The 5th annual Wiley Prize in Biomedical Sciences was awarded to Elizabeth H. Blackburn and Carol Greider for their discovery of telomerase, the enzyme that maintains



Dr. Elizabeth H. Blackburn



Dr. Carol W. Greider

2005



The 4th annual Wiley Prize in Biomedical Sciences was awarded to Peter Walter and Kazutoshi Mori for their discovery of the novel pathway by which cells regulate the



Dr. Peter Walter



Dr. Kazutoshi Mori

2004

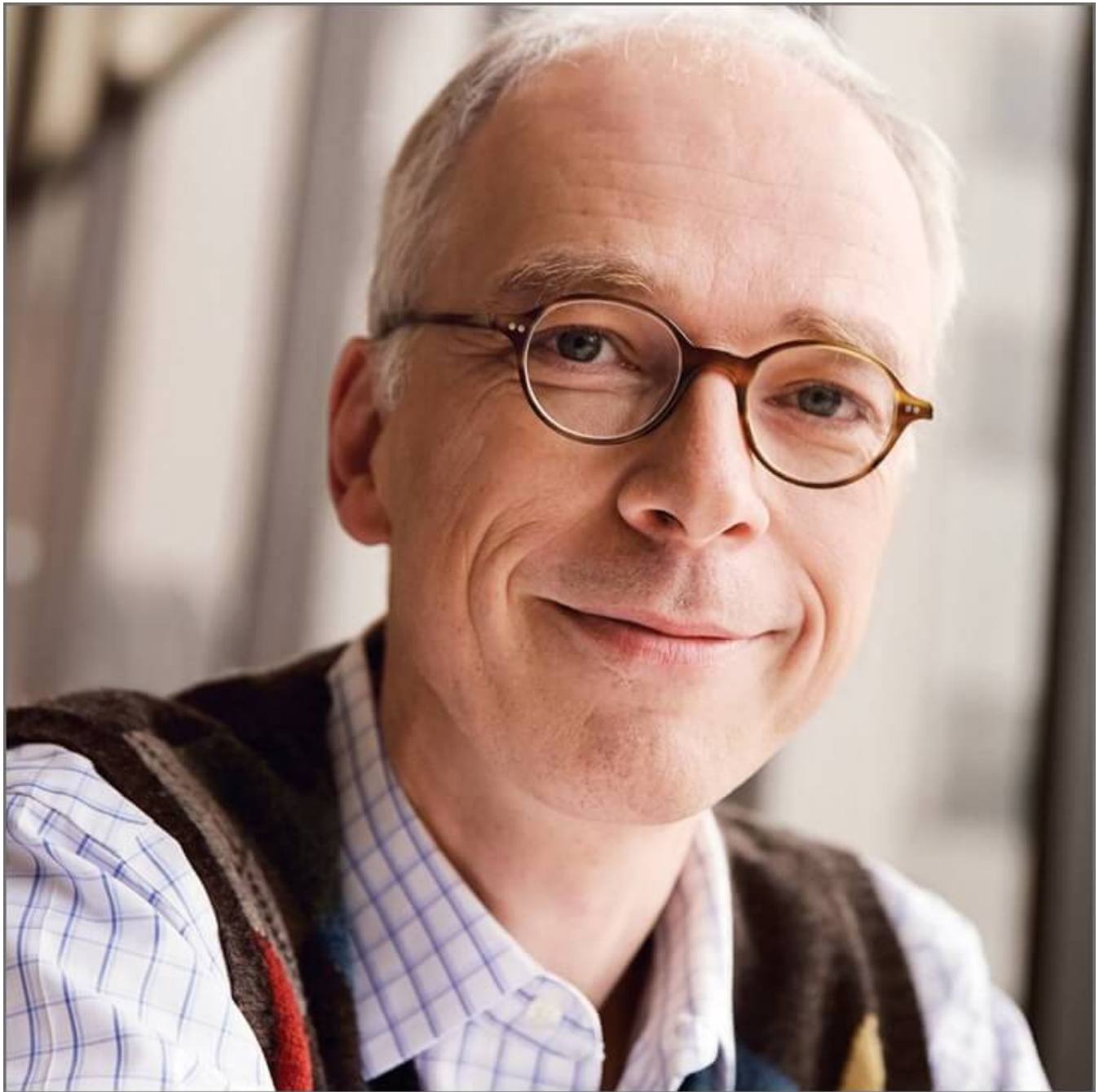


The 3rd annual Wiley Prize in the Biomedical Sciences was awarded to C. David Allis for his significant discovery that transcription factors can enzymatically modify histones to



Dr. C. David Allis, Ph.D.

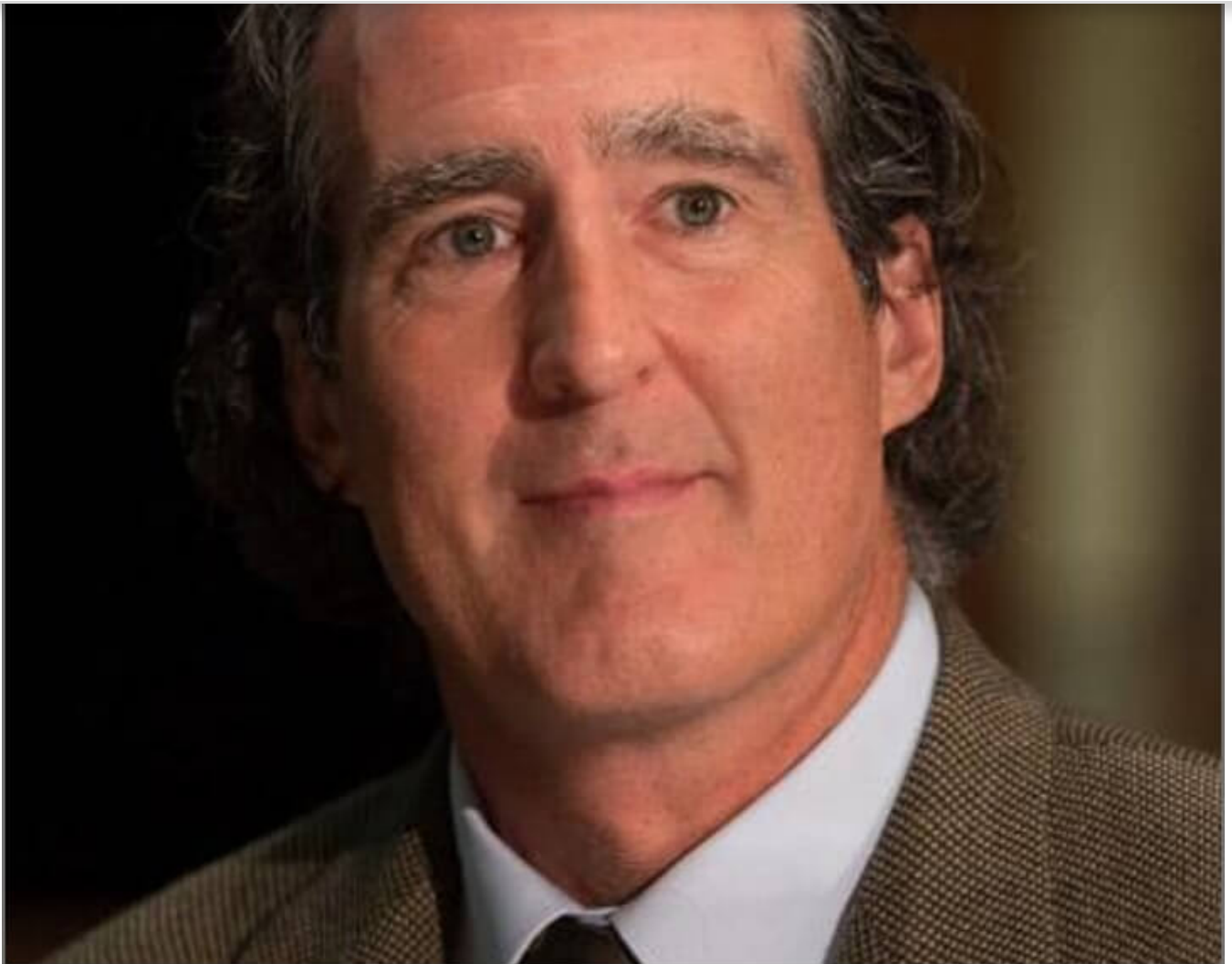
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Dr. Thomas Tuschl



Dr. David Baulcombe



Dr. Craig C. Mello



Dr. Andrew Z. Fire

2002



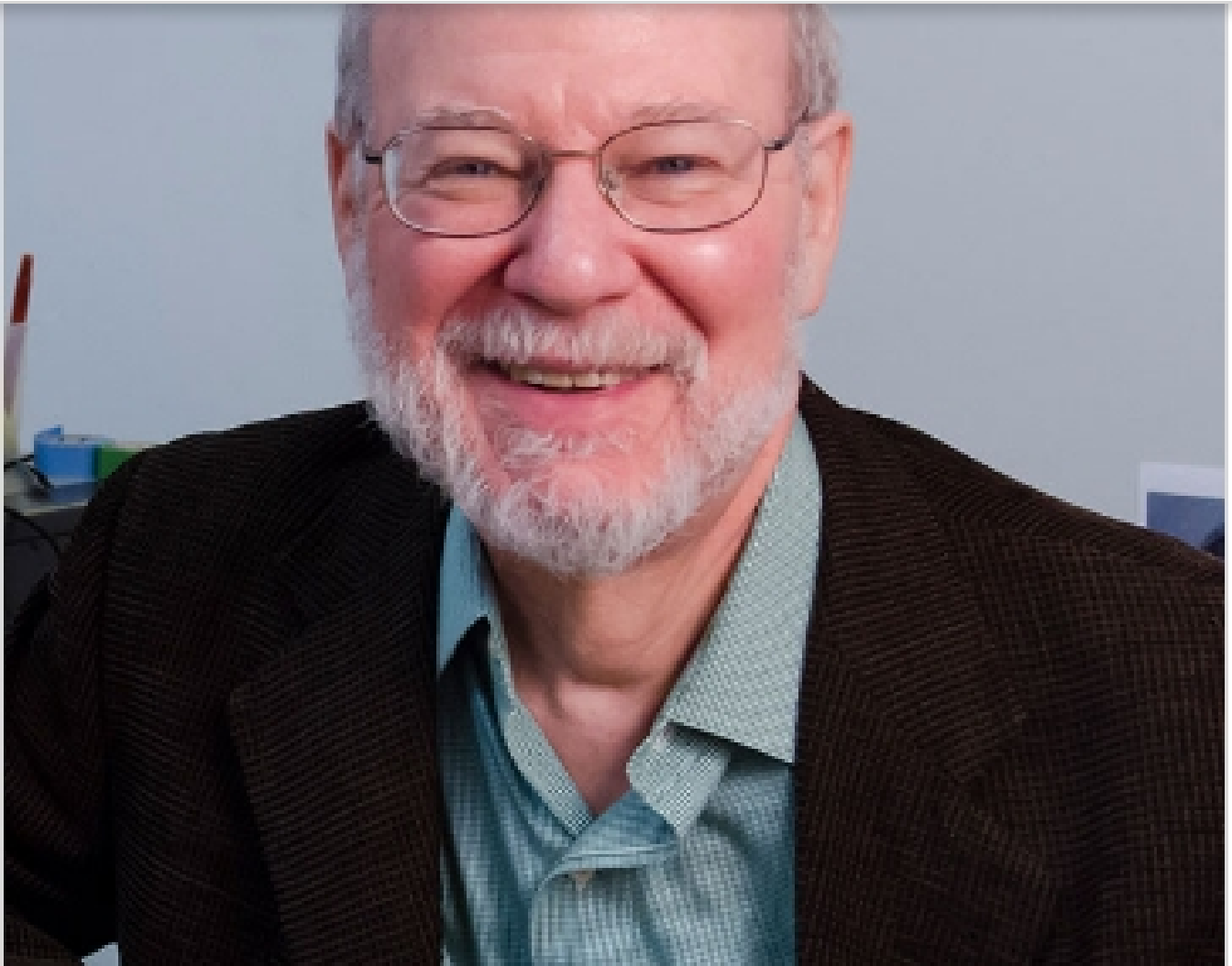
The 1st annual Wiley Prize in Biomedical Sciences was awarded jointly to H. Robert Horvitz and Stanley J. Korsmeyer.

Dr. Horvitz was selected for his seminal research on programmed cell death and the discovery that a genetic pathway accounts for the programmed cell death within an

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Dr. Stanley J. Korsmeyer



Dr. H. Robert Horvitz

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