

involved reproductive endocrinology, and he examined the mechanism by which thyroid hormones influence female reproductive physiology.

From recruiting and mentoring students to serving as associate dean and interim dean of the graduate school, Holland's commitment to the university was exceptional. He was a recipient of IU's Distinguished Service Award, the Herman B Wells Lifetime Achievement Award, and the Distinguished Alumni Service Award. He was the first to receive the Chancellor's Medallion for his "transcendent efforts on behalf of the university." One of Holland's greatest legacies was his devotion to education; over 11,000 undergraduate students took his classes. This talent for teaching earned Holland a FACET award, given to exceptional teachers who inspire both students and colleagues.

It was his wife who created the James Philip Holland Teaching Award for Exemplary Teaching and Service to Students. Constance Holland, a highly respected secondary school teacher, established the award to recognize others who shared the Hollands' passion for teaching.

## The James P. Holland Fellowship

The IU Department of Biology established the **James P. Holland Graduate Fellowship in Biology** to honor Professor Holland, who died of cancer in 1998 at the age of 63. The goal of the Holland Fellowship is to support the training of a first-year Ph.D. student from groups underrepresented in the life sciences.

**Karly Miller**, the 2020–21 Holland Fellow, is pursuing a Ph.D. in Genome, Cell, and Developmental Biology through the IU Department of Biology. Her research interests include developmental neuroscience, cell-fate specification, and neurodegeneration. Karly is a first-generation scientist and college graduate. She earned a B.S. in Genetics and Biotechnology from New Mexico State University in Las Cruces. Karly considers herself very fortunate to have already worked in several distinguished labs in her short science career. She is from Farmington, New Mexico.



Karly Miller | Courtesy photo

### Make a gift that lasts a lifetime!

Help us reach our endowment goal so promising science students like Karly can launch their careers with your support. Visit <http://go.iu.edu/252c> for more information about the Holland Graduate Fellowship or to make an online gift in support of the fellowship.

Twenty-first lecture in the series

## James P. Holland Memorial Lecture

# Braiding sweetgrass: Indigenous wisdom, scientific knowledge, and the teachings of plants



Robin Wall Kimmerer | Photo by Dale Kakkak

## Robin Wall Kimmerer

Distinguished Professor of Environmental and Forest Biology and Director of the Center for Native Peoples and the Environment

State University of New York

Mon., Oct. 5, 2020 • 4 p.m. • On Zoom



### Many thanks to our generous IU Holland lecture sponsors:

Office of the Vice President for Diversity, Equity, and Multicultural Affairs  
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Department of Biology  
Medical Sciences Program  
Environmental Resilience Institute

## Program

### Introduction:

Heather Reynolds, Associate Professor of Biology and Holland Lecture Committee member

Welcome

Opening remarks on James P. Holland and the James P. Holland Lecture Series

Acknowledgment of Michael McGerr, Paul V. McNutt Professor of History, recipient of the James P. Holland Morley Award for Exemplary Teaching and Service

Acknowledgment of Karly Miller, recipient of the James P. Holland Graduate Fellowship in Biology

Introduction of speaker

### James P. Holland Lecture:

Robin Wall Kimmerer, Ph.D.

Distinguished Professor of Environmental and Forest Biology and Director of the Center for Native Peoples and the Environment, State University of New York

“Braiding sweetgrass: Indigenous wisdom, scientific knowledge, and the teachings of plants”

## The Speaker

**Robin Wall Kimmerer** integrates traditional and scientific knowledge in her research on ecological restoration, forest resilience to climate change, and the ecology of mosses. In addition to her scientific publications, she has written two award-winning books and numerous essays on nature's gifts, human relationships with land, and the value of integrating indigenous wisdom with scientific perspective.

Kimmerer is Distinguished Professor of Environmental and Forest Biology as well as Director of the Center for Native Peoples and the Environment at State University of New York. She has taught courses in botany, ecology, ethnobotany, indigenous environmental issues as well as a seminar in application of traditional ecological knowledge to conservation. She is the co-founder and past president of the Traditional Ecological Knowledge section of the Ecological Society of America. Kimmerer also serves as a Senior Fellow for the Center for Nature and Humans. Of European and Anishinaabe ancestry, she is an enrolled member of the Citizen Potawatomi Nation.

Kimmerer earned her Ph.D. and M.S. in Botany at the University of Wisconsin. She obtained her B.S. in Botany from State University of New York ESF. She is the author of numerous scientific papers on plant ecology, bryophyte ecology, traditional knowledge, and restoration ecology. As a writer and a scientist, her

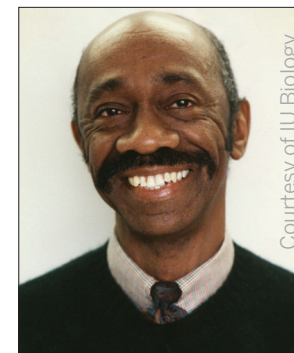
interests in restoration include not only restoration of ecological communities, but restoration of our relationships to land. She lives on an old farm in upstate New York, tending gardens both cultivated and wild.

Kimmerer received the John Burroughs Medal Award for her book, *Gathering Moss: A Natural and Cultural History of Mosses*. Her first book, it incorporated her experience as a plant ecologist and her understanding of traditional knowledge about nature. Her second book, *Braiding Sweetgrass: Indigenous Wisdom, Scientific Knowledge, and the Teachings of Plants*, received the 2014 Sigurd F. Olson Nature Writing Award. *Braiding Sweetgrass* is about the interdependence of people and the natural world, primarily the plant world. She won a second Burroughs award for an essay, “Council of the Pecans,” that appeared in *Orion* magazine in 2013. Kimmerer received an honorary M.Phil. degree in Human Ecology from College of the Atlantic in June 2020.

## James P. Holland Lecture Series

The **James P. Holland Memorial Lecture Series** was initiated in the fall of 2000 and is now organized by the Department of Biology and the Herman C. Hudson and James P. Holland Scholars Program. The lectures honor the memory of one of the most beloved faculty members on the IU Bloomington campus. Professor Holland had a passion for teaching that earned him virtually every teaching award offered on campus, including the President's Award for Distinguished Teaching. The Holland Lecture Series honors his legacy and is designed to bring awareness of and support to diversity in the life sciences.

Professor Holland worked tirelessly to address the needs of minority students. He created Biology's summer enrichment program, which brings Indiana underrepresented high school students to campus to attend science lectures and participate in hands-on laboratory research designed to spark interest in science and provide a taste of the college experience. At the university level, Holland and the late Herman C. Hudson joined forces to found the Minority Achievers Program (MAP) and the Mathematics and Science Scholarship Program (MASS). In 2003 the programs were renamed to honor the efforts of these two men. The programs have been combined and are now the Herman C. Hudson and James P. Holland Scholars Program.



James P. Holland, 1934–1998

Courtesy of IU Biology

## James P. Holland

**Jim Holland** came to IU to study zoology, earning a master's degree in 1958 and a doctorate three years later. Holland served on the Howard University faculty until 1967, when he returned to IU as an associate professor in the Department of Biology, advancing to full professor in 1974. His research