



Photo by Michael Keating

Terri Roth

**Vice President of Conservation & Science and
Director of the Center for Conservation and Research of
Endangered Wildlife (CREW), Cincinnati Zoo &
Botanical Garden**

Principal Investigator

"I love the challenge of using science to unravel the mysteries of nature, but for me, the effort is only truly worthwhile when it is for a nobler cause; that cause is conservation."

Dr. Terri Roth oversees all of the Cincinnati Zoo & Botanical Garden's research activities, manages CREW facilities and programs, and provides the vision for CREW, a world-renowned endangered species research facility onsite at the Zoo.

An internationally recognized expert on rhinos, Dr. Roth is responsible for the scientific breakthroughs that led to the successful breeding of a Sumatran rhino and the first Sumatran rhino calf produced in captivity in 112 years – Andalus, born at the Cincinnati Zoo in 2001 and returned to Indonesia in 2007 – and the second and third calves, born in 2004 and 2007. Using her innovative, science-based approach, the Cincinnati Zoo was the only place in the world successfully breeding the Sumatran rhino for an entire decade. During that time, Dr. Roth worked with Indonesian, Malaysian, European, Australian, and American colleagues to establish breeding and husbandry recommendations for all Sumatran rhinos in captivity and has reviewed and advised on strategies for protecting wild populations. The global effort paid off in 2012 when Indonesia celebrated the birth of their first Sumatran rhino calf, the son of the Cincinnati Zoo's first-born calf.

Dr. Roth has served on the board of the International Rhino Foundation since 2002 and also on the Sumatran Rhino Global Management and Propagation Board. As Chair of the Rhino Research Council of the Association of Zoos and Aquarium's Rhino Taxon Advisory Group (TAG), she led the development of the Rhino TAG's 5-year plan for rhino research in 2003 and 2008. Dr. Roth was the 2004 recipient of a Chevron Texaco Conservation Award, "Honoring Our Environmental Heroes" for her Sumatran Rhino work and is the subject of an award-winning 2007 young people's book, *Emi and the Rhino Scientist*, published by Houghton Mifflin.

Dr. Roth earned both her B.S. and M.S. degrees in Animal Science at the University of California, Davis. She then was awarded a Board of Regents Fellowship at Louisiana State University, where she earned her Ph.D. in Animal Reproductive Physiology with a minor in Immunology. After completing her post-doctoral training at the Smithsonian Institution's National Zoological Park in Washington, D.C., she transferred to the National Zoo's Conservation and Research Center and was employed there as a gamete biologist for 3 years before coming to Cincinnati to join CREW in October 1996.

In addition to her role as the Cincinnati Zoo's Vice President of Conservation and Science, Dr. Roth has adjunct appointments at the University of Cincinnati's Biological Sciences Department, the U.C. Medical College's Ob/Gyn Department, and Miami University's Zoology Department. She also retains her previous affiliation as a Smithsonian Research Associate.

Dr. Roth has been invited to speak at conferences worldwide, including in South Africa, Malaysia, Indonesia, the Netherlands and the United Kingdom. She has published over 125 scientific papers and abstracts on species ranging from toads to rhinoceros. In addition to numerous interviews for daily local news stations, newspaper and magazine journalists, U.S. national news (Today Show), National Public Radio, and other U.S. radio stations, Dr. Roth has appeared in film and television specials including *Nigel Marvin's Rhino Adventure* (Image Impact Productions, 2007), PBS's *Nature's Rhinoceros* (Image Impact Productions and Thirteen/WNET New York, 2007), *Ultimate Zoo* (Mike Mathis Productions, Inc. for Animal Planet, 2004 and 2005), *That's My Baby* (KAOS Entertainment, for Animal Planet 2002 and 2003, and *Natural World: Rhinos – Built to Last?* (BBC 2002 and BBC/Discovery Channel co-production in 2007).