

NATIONAL GEOGRAPHIC LIVE

# Coral Kingdom and Empires of Ice

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Coral Kingdom and Empires of Ice — Baby green sea turtle, French Polynesia, photo by David Doubilet.



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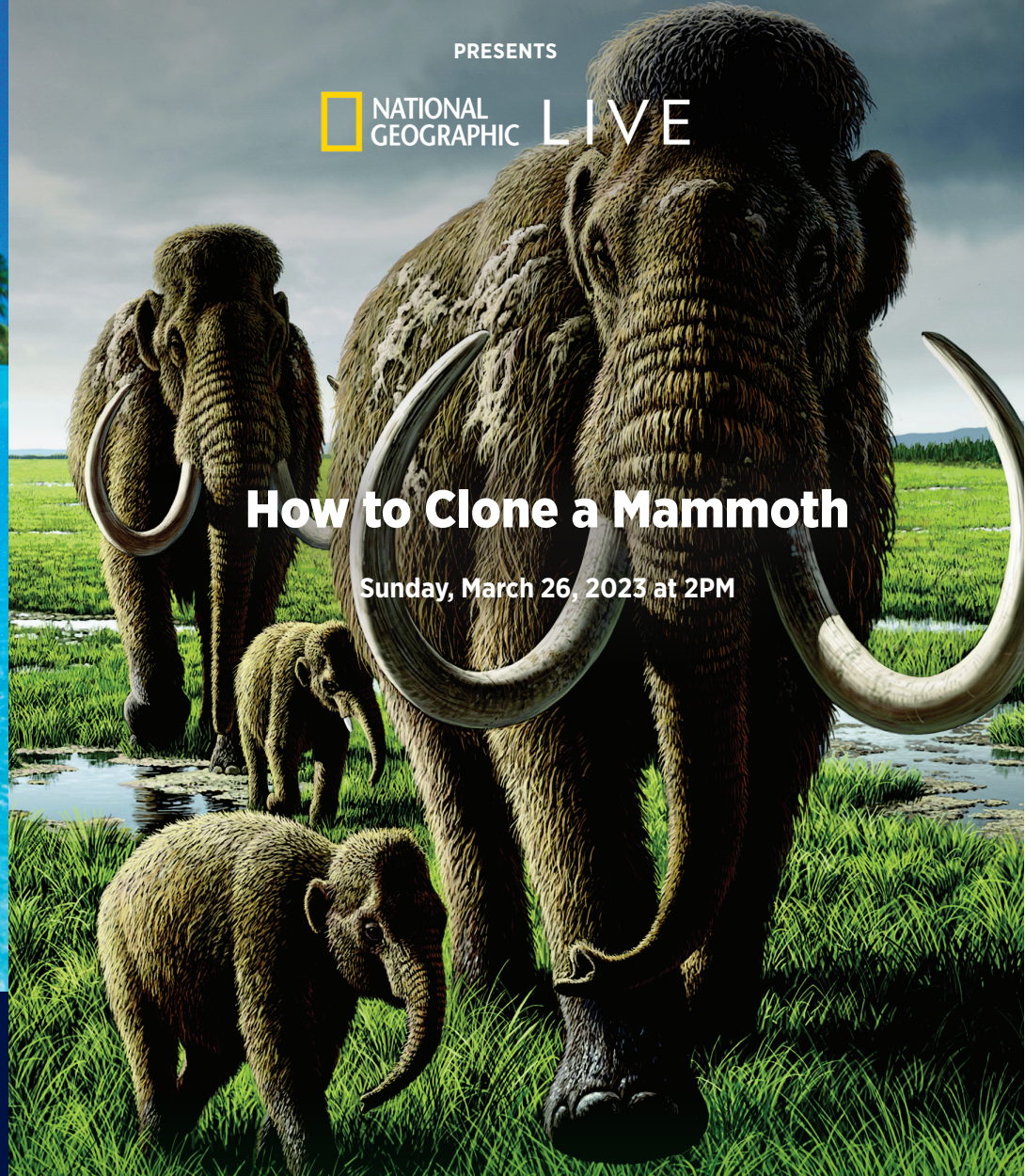


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PRESENTS

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# How to Clone a Mammoth

Sunday, March 26, 2023 at 2PM

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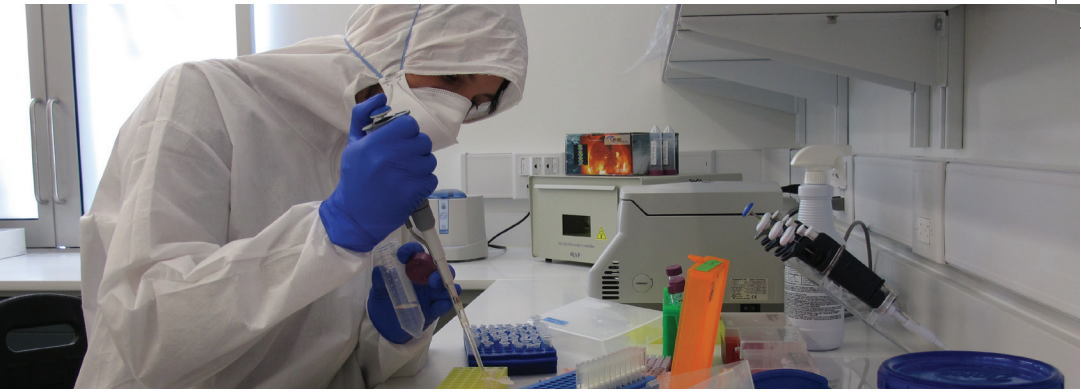
Kristina Blaschek

How to Clone a Mammoth Program Sponsors

William Blair

isc ILLINOIS Science Council

How to Clone a Mammoth Event Partner



## BETH SHAPIRO Evolutionary Biologist

Dr. Beth Shapiro is a pioneer and global leader in the high-profile field of ancient DNA and a clear voice in the debate over the future of genetic engineering. A Rhodes Scholar, MacArthur “genius,” and National Geographic Explorer, Shapiro is Professor of Ecology and Evolutionary Biology at UC Santa Cruz, Director of the UCSC Paleogenomics Lab, and a Howard Hughes Medical Institute Investigator.

Shapiro travels extensively through the Arctic regions of Siberia and North America, where she collects the bones, teeth, and other remains of ice age giants, including mammoths, saber-toothed cats, and giant camels. She extracts DNA from these remains and uses this information to understand how changing climates and increasing human activity have shaped the present-day distribution of species. Her goal is to use this information from the past and, increasingly, genomic tools developed in the present, to save living species from the same fate as so many ice age animals.

Shapiro’s research has been published in many top scientific journals, including *Science* and *Nature*, and she has written for *Popular Science*, *the Times Higher Education*, and *The Observer*. Shapiro’s dynamic and fluid style and ability to present complex scientific ideas in an easy-to-digest manner have made her a highly sought-after to speaker for public and scientific audiences. A regular on *BBC*, *National Geographic*, *Discovery*, and others, Shapiro is one of the most prominent popularizers of science in her generation.

## NATIONAL GEOGRAPHIC LIVE

### About National Geographic Live

National Geographic Live brings to life the remarkable stories of National Geographic Explorers through in-person and virtual live events. Its broad roster of speakers, including renowned photographers, scientists, filmmakers, and adventurers, shares their behind-the-scenes stories from the front lines of exploration — alongside unforgettable imagery and gripping footage — with audiences in performing arts centers throughout North America and abroad. National Geographic Live is a part of Disney Parks, Experiences and Products — a segment of The Walt Disney Company. For more information on National Geographic Live, visit [NatGeoLive.com](http://NatGeoLive.com) and follow @NatGeoLive on Facebook and Twitter.

### Stay after Dr. Shapiro’s presentation for a special Q&A discussion with Dr. Thom Sanger from Illinois Science Council and Loyola University Chicago.



### Dr. Thom Sanger

Dr. Sanger received a Ph.D. in 2008 from Washington University in St. Louis and began teaching at Loyola University Chicago Department of Biology in 2016. Sanger’s research strives to create a deeper understanding of the evolutionary mechanisms underlying animal diversity. Sanger’s work is inherently integrative, pulling tools from fields as diverse as ecology, evolution, developmental biology, and genetics. The consistent, uniting theme across all of his studies is a passion for understanding organismal form and function. Learn more information about the Sanger Lab at [anolisevodevo.space](http://anolisevodevo.space)

### About Illinois Science Council

Illinois Science Council (“ISC”) is an independent 501c3 organization that engages, educates, and entertains the public about science, technology, engineering and math (STEM) in our everyday lives. ISC serves as the adult complement to student-focused science efforts, and the science & tech counterpart to the region’s arts & culture offerings by raising STEM understanding and appreciation. To learn more about ISC, and hosted science events like the popular Pi Day Pi K Run, Chicago Science Fest and Science Cocktail Party, visit [illinoisscience.org](http://illinoisscience.org)