

# FALL 2021

COLLECTION OF HISTORICAL SCIENTIFIC INSTRUMENTS  
HARVARD MUSEUM OF NATURAL HISTORY  
HARVARD MUSEUM OF THE ANCIENT NEAR EAST  
PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY





# One world. Four museums.

VER LA PÁGINA SIGUIENTE PARA LEER EN ESPAÑOL

Museums are not merely cabinets of curiosity, they are also sites of courageous inquiry, innovation, creativity, interdisciplinary practice, and conduits of connection to the global communities to which we all belong. Beyond their intellectual virtues, museums are restorative environments that enable their communities to bask in sensory, physical, cognitive, social—and more recently—virtual experiences that can be as cathartic as they are invitations to explore and learn. In many ways, the multiple roles that museums play in our lives remind me of the tridimensional Tree of Life candelabra featured on our cover. It narrates intricate stories; it symbolizes life's universal events; and it brings into sharper focus the artisan's craftsmanship in illustrating Mexican folk traditions. Finally, when crowned with candles—the candelabra casts a brilliant scene of lights.

As we reimagine our collective “new normal” in Fall 2021, your presence and support for our programs, exhibitions, and classes are the metaphorical lights that fuel the Harvard Museums of Science & Culture mission and that drive our excitement about this season of renewal and reunion.

Experience Mexico's rich history through a new bilingual exhibition, *Muchos Méxicos*. Step into *Mediterranean Marketplaces: Connecting the Ancient World*, an exhibition on the movement of goods, peoples, and ideas around the ancient Mediterranean. Enjoy virtual lectures with renowned scholars and thought leaders speaking on a wide range of topics.

We welcome you to join us—virtually and eventually in person!

**Brenda Tindal, HMSC Executive Director**





# Un mundo. Cuatro museos.

SEE THE PREVIOUS PAGE TO READ IN ENGLISH

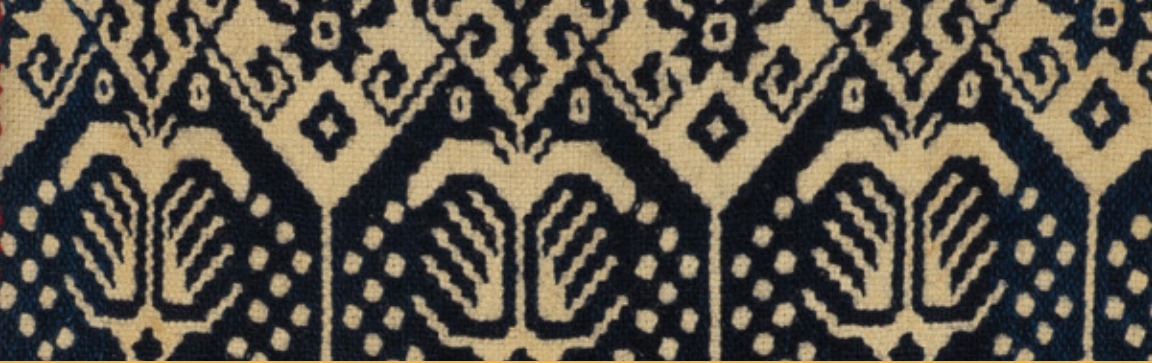
Los museos no son meras vitrinas de curiosidad, sino que también son lugares de investigación audaz, innovación, creatividad, práctica interdisciplinaria y vías de conexión con las comunidades globales a las que todos pertenecemos. Más allá de sus virtudes intelectuales, los museos son entornos fortalecedores que permiten a sus comunidades disfrutar de experiencias sensoriales, físicas, cognitivas, sociales -y más recientemente- experiencias virtuales que pueden ser tan catárticas ya que son invitaciones a explorar y aprender. En muchos sentidos, las múltiples funciones que desempeñan los museos en nuestras vidas me recuerdan al candelabro tridimensional del *Árbol de la Vida* que aparece en nuestra portada. Narra intrincadas historias; simboliza los acontecimientos universales de la vida; y pone de manifiesto el trabajo artesanal de los artistas para ilustrar las tradiciones populares mexicanas. Por último, cuando se corona con velas, el candelabro proyecta una brillante escena de luces.

Mientras reimaginamos nuestra “nueva normalidad” colectiva en el otoño del 2021, su presencia y apoyo a nuestros programas, exposiciones y clases, son las luces metafóricas que alimentan la misión de los Museos de Ciencia y Cultura de Harvard y que impulsan nuestro entusiasmo por esta temporada de renovación y reencuentro.

Experimente la rica historia de México a través de una nueva exposición bilingüe, “Muchos Méxicos”. Adéntrese en los “Mercados mediterráneos: conectando el mundo antiguo”, una exposición sobre el movimiento de mercancías, pueblos e ideas en el Mediterráneo antiguo. Disfrute de conferencias virtuales con reconocidos académicos y líderes del pensamiento sobre una amplia gama de temas.

Le invitamos a unirse a nosotros, tanto virtualmente como en persona.

**Brenda Tindal, Directora Ejecutiva del HMSC**



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## COVER IMAGE: Tree of Life Candelabra

Gift of Alice B. Melvin, in celebration of donor’s father and mother, Professor A. Gordon Melvin and Lorna Strong Melvin, donor’s sister, Mary Melvin Petronella, family friend, Luis Herrera Garcia, friend, Richard Paul Baydin, and donor’s cats, Miss Amiga, Sir Minky, and Pyewacket, 1993.

Image © President and Fellows of Harvard College, Peabody Museum of Archaeology and Ethnology, 993-24-20/27396

# Reopening Update

A red asterisk \* marks exhibitions with current restrictions

As of September 1, 2021 the Harvard Museums of Science & Culture are open, Monday–Friday from 9:00 am–5:00 pm for limited in-person visitation solely for Harvard faculty, students, and staff with a valid Harvard ID (guests of Harvard ID holders are not permitted at this time). Harvard faculty who want to schedule a class visit should contact the [HMSC Reservations Department](#).

We are working closely with Harvard University on the phased reopening and will soon share details about public access. [Sign up for our enews](#) to receive the latest updates.

In the meantime, we encourage you to enjoy the museums at home with new digital content, including virtual programs, tours, podcasts, and coloring pages on [HMSC Connects!](#) We look forward to welcoming everyone back to the museums soon!

# How to Join HMSC Virtual Events

## To register for an event:

- Visit our [Upcoming Events page](#)
- Find a program in calendar listing and select its registration link
- Complete and submit the registration form
- After submitting, you will receive a Zoom link to the program  
Click on this link in your email a few minutes before the program's starting time
- [Download the free Zoom app](#) in advance  
Select "Zoom Client for Meetings"
- Your audio and video settings are automatically disabled during the webinar, providing privacy



- Visit the HMSC website for [tips on maximizing your Zoom connection](#)
- If you experience technical difficulties using Zoom, we recommend visiting the [Zoom Help Center](#)
- Questions? Please email [hmscprograms@hmsc.harvard.edu](mailto:hmscprograms@hmsc.harvard.edu)

# FREE VIRTUAL EVOLUTION MATTERS LECTURE

Thursday, September 16, 6:00–7:15 pm ET

Advance Registration Required

HARVARD MUSEUM OF NATURAL HISTORY

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

## Testosterone

### The Hormone that Dominates and Divides Us

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#### CAROLE HOOVEN

Lecturer and Codirector of Undergraduate Studies  
Department of Human Evolutionary Biology, Harvard University

*In Conversation with*

#### DANIEL GILBERT

Edgar Pierce Professor of Psychology, Harvard University



While most people agree that sex differences in human behavior exist, they disagree about the reasons. But the science is clear: testosterone is a potent force in human society, driving the bodies and behavior of the sexes apart. As Carole Hooven shows in her new book *T: The Story of Testosterone, the Hormone that Dominates and Divides Us* (Henry Holt & Company, 2021), it does so in concert with genes and culture to produce a vast variety of male and female behavior. And, crucially, the fact that many sex differences are grounded in biology provides no support for restrictive gender norms or patriarchal values. In conversation with Harvard psychologist Daniel Gilbert, Hooven will discuss why an understanding of testosterone can lead to a better understanding of ourselves and one another—and how it can also help build a fairer, safer society.



**Evolution Matters Lecture Series**

Series supported by a generous gift from Drs. Herman and Joan Suit

# FREE VIRTUAL BOOK TALK FOR FAMILIES

Sunday, September 19, 11:00–11:45 am ET

Advance Registration Required

HARVARD MUSEUM OF NATURAL HISTORY



## The Fossils Are Talking!

### ELIZABETH SHREEVE

Children's Book Author

### FELICIA HO

Harvard College Student and Storywish Cofounder

Are you curious about what fossils tell us about life on Earth—and how dinosaurs and other ancient animals, in turn, awaken our imaginations to create true and imagined tales? Come along on a journey to find out! The adventure will kick off with children's book author Elizabeth Shreeve, reading and sharing surprising secrets from her newest book, *Out of the Blue: How Animals Evolved from Prehistoric Seas* (Candlewick Press, 2021). Elizabeth will make connections between the story of life on Earth and fossils that can be

seen in the museum. Harvard College student and Storywish Cofounder Felicia Ho will then guide our time-traveling crew in a conversation with Elizabeth about the inspirations and discoveries behind the book—and how to start making your own stories!

**In collaboration with the Harvard College Student Chapter of Storywish, a student-run organization that empowers chronically ill children to read, write, and share their own stories as a part of their Storywish Inspiring Young Authors Program (SWIYA).**



# FREE VIRTUAL EXHIBIT PREVIEW & CONVERSATION

## VER LA PÁGINA SIGUIENTE PARA LEER EN ESPAÑOL

Wednesday, September 22, 6:00–7:15 pm ET

Advance Registration Required

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

## Muchos Méxicos

### Crossroads of the Americas

#### DAVÍD CARRASCO

Neil L. Rudenstine Professor of the Study of Latin America, Harvard University

#### OCTAVIO MURILLO

Director of Archives, National Institute of Indigenous Peoples | Instituto Nacional de los Pueblos Indígenas (INPI), Mexico

#### MARIA LUISA PARRA-VELASCO

Senior Preceptor in Romance Languages and Literatures, Harvard University

Guide for Virtual Visit

#### ANDREW MAJEWSKI

Museum Education Specialist, Peabody Museum of Archaeology & Ethnology

#### Live interpretation in English and Spanish

Join us for a virtual preview and conversation about the *Muchos Méxicos* exhibition. Three scholars who contributed to the making of the show will discuss their favorite objects, and how they each tell stories of exchange and innovation—as well as loss and perseverance—across time and space.



# RECORRIDO VIRTUAL GRATUITO DE LA EXHIBICIÓN Y CONVERSACIÓN

SEE PREVIOUS PAGE TO READ IN ENGLISH

Miércoles, 22 de septiembre, 6:00–7:15 pm ET

Se requiere inscripción previa

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

## Muchos Méxicos Encrucijada de las Américas

### DAVÍD CARRASCO

Neil L. Rudenstine Professor of the Study of Latin America, Harvard University

### OCTAVIO MURILLO

Director of Archives, National Institute of Indigenous Peoples | Instituto Nacional de los Pueblos Indígenas (INPI), Mexico

### MARIA LUISA PARRA-VELASCO

Senior Preceptor in Romance Languages and Literatures, Harvard University

Guía de visita virtual

### ANDREW MAJEWSKI

Museum Education Specialist, Peabody Museum of Archaeology & Ethnology



Interpretación en vivo en inglés y español

Únase a un recorrido virtual y conversación sobre la exhibición *Muchos Méxicos*. Tres académicos que contribuyeron a la realización de la exhibición hablarán sobre sus objetos favoritos y cómo cada uno de ellos cuenta historias de intercambio e innovación, así como de pérdida y perseverancia, a través del tiempo y el espacio.

# FREE VIRTUAL SPECIAL EVENT

Thursday, September 23, 6:00–7:15 pm ET

Advance Registration Required

HARVARD MUSEUM OF NATURAL HISTORY



## Inspired by the Harvard Museum of Natural History

The Harvard Museum of Natural History inspires college students and life-long learners to explore myriad scientific and creative pursuits. In this program, a group of professionals discuss how their experiences in the museum inspired their careers in science communication and storytelling, while they share images of their favorite museum specimens and stories.

In collaboration with the Harvard College Student Chapter of Storywish, a student-run organization that empowers chronically ill children to read, write, and share their own stories as a part of their Storywish Inspiring Young Authors Program (SWIYA).

**ELIZABETH SHREEVE**  
Children's Book Author

**CAROLINE HU**  
Postdoctoral Researcher and  
Cartoonist

Moderated by  
**FELICIA HO**  
Harvard Undergraduate; President  
and Cofounder of Storywish



# FREE VIRTUAL LECTURE

Thursday, September 30, 6:00–7:15 pm ET  
Advance Registration Required

HARVARD MUSEUM OF NATURAL HISTORY

## Saving Seahorses to Save Seas



### AMANDA VINCENT

Director and Cofounder, Project Seahorse; Professor, Institute for the Oceans and Fisheries, The University of British Columbia

Amanda Vincent, the 2021 Indianapolis Prize winner, has dedicated her career to understanding and advocating for seahorses, which serve as a flagship species for a wide range of marine conservation issues. She is credited with bringing the world's attention to the 44 known species of seahorses and with developing a collaborative approach to marine conservation that is also improving the status of many other marine fishes, such as sharks, rays, groupers and eels. Hear how her determination and optimism is saving not only these iconic sea creatures but also our world's oceans.

Presented in collaboration with the Indianapolis Prize of the Indianapolis Zoological Society



# FREE VIRTUAL SPECIAL EVENT

Wednesday, October 13, 9:30-10:30 am and 3:30-4:30 pm ET

Advance Registration Required

HARVARD MUSEUM OF NATURAL HISTORY

## National Fossil Day

Have you ever wondered what it is like to be a paleontologist? Celebrate National Fossil Day—an event organized by the National Park Service—with Harvard paleontologists! Take a close look at museum fossils and learn how

they are used to help solve mysteries about ancient life. What amazing creatures lived together in ancient oceans? How do fossil tracks, traces, and burrows help us understand how extinct animals lived? How can we reconstruct an animal from just its bones? How did dinosaurs get so big? Bring your curiosity and questions to this online event for kids and families!



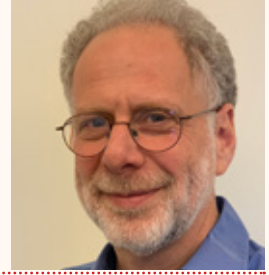
# FREE VIRTUAL EVOLUTION MATTERS LECTURE

Wednesday, October 13, 6:00–7:15 pm ET

Advance Registration Required

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

HARVARD MUSEUM OF NATURAL HISTORY



## Did We Evolve to Exercise?

### DANIEL LIEBERMAN

Edwin M. Lerner II Professor of Biological Sciences  
Professor of Human Evolutionary Biology, Harvard University



Exercise is a paradox: everyone knows it is healthy, but most of us struggle to do it. Further, as technology and machines increasingly replace human labor, fewer people are getting enough exercise. In this talk, Daniel Lieberman will explain how an evolutionary and anthropological perspective on exercise can help. How much exercise did we evolve to do? Is exercise really a magic bullet? Why, how, and to what extent does exercise slow aging and promote health? Is there a best way to exercise? And, most importantly, how can we help each other exercise without nagging or coercing?

**Evolution Matters Lecture Series**  
Series supported by a generous gift from  
Drs. Herman and Joan Suit

## FREE VIRTUAL LECTURE

Thursday, October 14, 6:00–7:15 pm ET

Advance Registration Required

HARVARD MUSEUM OF THE ANCIENT NEAR EAST

# How Beer Made Kings in Early Egypt



## MATTHEW DOUGLAS ADAMS

Director, Abydos Archaeology; Senior Research Scholar  
Institute of Fine Arts, New York University

The remains of a 5000-year-old brewery found in the ancient Egyptian city of Abydos are providing insights into the relationship between large-scale beer production and the development of kingship in Egypt. Archaeological evidence indicates that the Abydos brewery produced beer on a truly industrial scale—something unparalleled in early Egypt. Matthew Adams will share findings from recent excavations at the brewery and will consider it in context as part of a broad pattern of royal activity at the site that served to define the very nature of kingship at the beginning of Egypt's history.



## FREE WITH MEMBERSHIP BEHIND-THE-SCREENS

Tuesday, October 19, 6:00–6:45 pm ET

Advance Registration Required: [members@hmsc.harvard.edu](mailto:members@hmsc.harvard.edu)

HARVARD MUSEUMS OF SCIENCE & CULTURE



## A Fireside Chat with New HMSC Director Brenda Tindal

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HMSC members are invited to join us in welcoming our new Executive Director, Brenda Tindal. During this discussion, you will learn about Ms. Tindal's journey to the Harvard Museums of Science & Culture and her passion for museums as important places for inquiry, civic dialogue, interdisciplinary practice, and community engagement. She will unfold her vision for HMSC and share what most excites her in this new position. The event will take place in the Zoom meeting format to allow for conversation, so please bring your questions.

**Not a member? [Become a member today](#) so you can join us on October 19!**

## FREE VIRTUAL DISCUSSION

VER LA PÁGINA SIGUIENTE PARA LEER EN ESPAÑOL

Wednesday, October 20, 6:00–7:15 pm ET. Advance Registration Required.

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

# The Art of Making Day of the Dead Altars

## OFELIA ESPARZA

Visual Artist and *Altarista*

## ROSANNA ESPARZA AHRENS

Graphic Designer and *Altarista*

### Live interpretation in English and Spanish

*Día de los Muertos* (Day of the Dead) is a Mexican tradition that seeks to commemorate and celebrate the lives of loved ones who have passed away. The creation of an altar is a key component of this celebration, which is both bittersweet and joyful. In this program, Los Angeles-based artist, educator, and *altarista* Ofelia Esparza will share her philosophy and approach to making altars and to keeping *Día de los Muertos* alive in the U.S. She will be joined by her daughter, graphic artist and collaborator Rosanna Esparza Ahrens. Together they will discuss their creative process to make public altars—from remembering loved ones, to gathering materials, and working in community to create a final piece that invites reflection and healing.



# CONVERSACIÓN VIRTUAL GRATUITA

SEE THE PREVIOUS PAGE TO READ IN ENGLISH

Miércoles 20 de octubre, 6:00–7:15 pm ET. Se requiere inscripción previa.

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

## El arte de hacer altares del Día de los Muertos

### OFELIA ESPARZA

Visual Artist and *Altarista*

### ROSANNA ESPARZA AHRENS

Graphic Designer and *Altarista*

#### Interpretación en vivo en inglés y español

El Día de los Muertos es una tradición mexicana que conmemora y celebra la vida de seres queridos que han fallecido. La creación de un altar es un componente clave de esta celebración, que es a la vez agri dulce y alegre. En este programa, la artista, educadora y altarista de Los Ángeles Ofelia Esparza compartirá su filosofía y enfoque para hacer altares y mantener vivo el Día de los Muertos en los Estados Unidos. A ella se unirá su hija, la artista gráfica y colaboradora Rosanna Esparza Ahrens. Juntas discutirán su proceso creativo para hacer altares públicos, desde recordar a sus seres queridos hasta reunir materiales y trabajar en comunidad para crear una pieza final que invita a la reflexión y la sanación.



# FREE WITH MEMBERSHIP BEHIND-THE-SCREENS

Tuesday, October 26, 6:00–6:45 pm ET

Advance Registration Required. [members@hmsc.harvard.edu](mailto:members@hmsc.harvard.edu)

HARVARD MUSEUM OF NATURAL HISTORY



## In Conversation with Gonzalo Giribet

Professor of Organismic and Evolutionary Biology

Curator of Invertebrate Zoology

Alexander Agassiz Professor of Zoology

Director, Museum of Comparative Zoology, Harvard University

HMSC members are invited to a casual evening of conversation with Gonzalo Giribet, the new Director of Harvard's Museum of Comparative Zoology. The MCZ holds 21-million animal specimens used for research and teaching. A subset of this collection is found in the Harvard Museum of Natural History. Join us on Zoom to hear about Professor Giribet's background, research, teaching interests, and what he is most looking forward to in this new role. This event will be a Zoom meeting to allow for conversation, so please bring your questions.

**Not a member? [Become a member today](#) so you can join us on October 26!**

# FREE IN-PERSON & ONLINE SPECIAL EVENT

## VER LA PÁGINA SIGUIENTE PARA LEER EN ESPAÑOL

Monday, November 1: Peabody Museum, 11 Divinity Avenue, Cambridge  
4:00–5:00 pm ET / Harvard ID holders / 5:15–7:00 pm ET / General Public  
Advance Registration Required by October 31

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

## Día de los Muertos Day of the Dead Commemoration

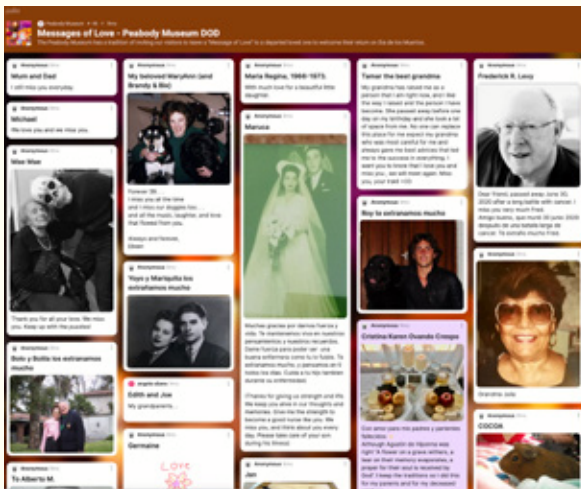
### Free Outdoor Candle Lighting



Stop by the Peabody Museum for a short moment of personal reflection on the past year which brought losses to so many. The front steps of the museum will be set up as a simple outdoor altar and staff will distribute lighted candles to visitors in observance of those we have lost. Pause and remember as you

place your candle in our community display. [Post a Message of Love to our online Virtual Altar before attending.](#) And join us next year when our annual fiesta returns to the Peabody galleries! Rain or shine.

Cosponsored by the Peabody Museum of Archaeology & Ethnology, the Harvard Museums of Science & Culture, the Consulate General of Mexico in Boston, and the Mexico Program at the David Rockefeller Center for Latin American Studies, Harvard University.



# EVENTO EN PERSONA GRATUITO

## SEE PREVIOUS PAGE TO READ IN ENGLISH

Fecha: Lunes, 1 de noviembre: Peabody Museum, 11 Divinity Avenue, Cambridge  
4:00–5:00 pm ET / Sólo para los titulares de identificación de Harvard  
5:15–7:00 pm ET / Miembros y público en general  
Es necesario inscribirse antes del 31 de octubre

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

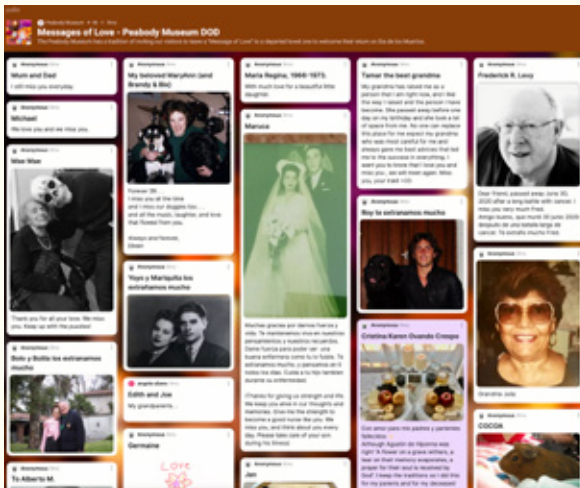
## Commemoración del Día de los Muertos Iluminación gratuita de velas al aire libre



Pase por el Museo Peabody para un breve momento de reflexión personal sobre el año anterior, que ha traído pérdidas para tantos. La escalinata del museo se convertirá en un sencillo altar al aire libre y el personal distribuirá velas encendidas a los visitantes en recuerdo de las personas que hemos perdido. Haga una pausa y recuerde mientras coloca su vela en nuestra

exhibición comunitaria.

Coloque un mensaje de amor en nuestro altar virtual en línea antes de asistir. Lleva o haga sol. ¡Y acompáñenos el próximo año cuando nuestra fiesta anual regrese a las galerías del Peabody! Lleva o haga sol.



Copatrocinado por el Museo Peabody de Arqueología y Etnología, los Museos de Ciencia y Cultura de Harvard, el Consulado General de México en Boston y el Programa de México del Centro David Rockefeller de Estudios Latinoamericanos de la Universidad de Harvard.

# FREE VIRTUAL EVOLUTION MATTERS LECTURE

Wednesday, November 10, 6:00–7:15 pm ET

Advance Registration Required

HARVARD MUSEUM OF NATURAL HISTORY

## Biogeography across Broken Continents and Sunken Islands

### GONZALO GIRIBET

Professor of Organismic and Evolutionary Biology

Curator of Invertebrate Zoology

Alexander Agassiz Professor of Zoology

Director, Museum of Comparative Zoology, Harvard University

The major continents of the Southern Hemisphere—Africa, South America, Australia, Antarctica—as well as India and islands in the Pacific, were once part of Gondwana, an ancient supercontinent that began to break up about 180 million years ago. How did this break up influence the evolution of ecosystems and organisms found on modern continents and islands?



This is one of the questions that biogeography, the study of how organisms are distributed across space and time, seeks to answer. Gonzalo Giribet will discuss how he uses biogeography and tiny invertebrate species to understand the biological and geological history of New Zealand and New Caledonia, two islands that were once part of Gondwana.

**Evolution Matters Lecture Series**

Series supported by a generous gift from  
Drs. Herman and Joan Suit

## FREE VIRTUAL LECTURE

Thursday, November 18, 6:00–7:15 pm ET

Advance Registration Required

HARVARD MUSEUM OF THE ANCIENT NEAR EAST

# Reconstructing Queen Amanishakheto's Musical Instruments



## SUSANNE GÄNSICKE

Senior Conservator and Head of Antiquities Conservation  
J. Paul Getty Museum, Los Angeles

Double reed pipes, known as *auloi*, were popular musical instruments in the ancient Mediterranean. In 1921, archaeologists exploring the necropolis of Meroë (northern Sudan)—as part of the Harvard University-Boston Museum of Fine Arts Expedition—found a large collection of *auloi* in the pyramid of Nubian Queen Amanishakheto. Susanne Gänsicke will discuss the discovery's importance and what it reveals about the connections between Nubia and the Mediterranean world as well as the significance of far-reaching musical traditions. She will also share recent efforts to conserve and reconstruct these ancient musical instruments.



# FREE VIRTUAL LECTURE

Thursday, December 2, 6:00–7:15 pm ET

Advance Registration Required

HARVARD MUSEUM OF NATURAL HISTORY

## Evolution and Conservation in the Deep Sea



### RUS HOELZEL

Professor of Molecular Ecology, Department of Biosciences, Durham University, U.K.; 2020–2021 Sarah and Daniel Hrdy Visiting Fellow in Conservation Biology, Department of Organismic and Evolutionary Biology, Harvard University

The deep sea, a dark, cold habitat, was once thought to be inhospitable to life and uniform across its vast expanses. Technologies such as remotely operated vehicles have shown scientists that it is, in fact, home to highly diverse organisms uniquely adapted to its harsh conditions. We still have

much to learn, however, about how species and populations evolved in the deep sea. This has important conservation implications because the depletion of nearshore and shallow water species has moved fisheries increasingly into deeper waters. Rus Hoelzel will discuss some of the key environmental drivers and adaptations promoting the evolution of diversity in the deep sea, with a focus on those associated with depth itself.



Presented in collaboration with the  
Harvard Department of Organismic and  
Evolutionary Biology

## FREE IN-PERSON SPECIAL EVENT

VER LA PÁGINA SIGUIENTE PARA LEER EN ESPAÑOL

Saturday, December 11, 5:15–7:00 pm ET

Reservations Required for contact-tracing purposes

HARVARD MUSEUM OF NATURAL HISTORY



# Hear Me Out/Escúchame

## Winter Event

Save the date for an evening to enjoy the new work from the Hear Me Out/Escúchame Project, which brings teens of Latina/o/x descent into contact with our spaces. Listen to their new playlist on your own device as you roam the galleries looking for favorite creatures. Use your member discount at The Shop at HMNH. Visit activity carts for demonstrations. For more



information check the website closer to the date. Please note that only the Harvard Museum of Natural History will be open for the evening.

**Presented in collaboration with the Institute of Museum & Library Services, Chelsea Recreation & Cultural Affairs Division, Somerville Media Center, and The Welcome Project**

# EVENTO EN PERSONA GRATUITO

SEE PREVIOUS PAGE TO READ IN ENGLISH

Sábado, 11 de diciembre, 5:15–7:00 pm ET

Se requiere inscripción previa

HARVARD MUSEUM OF NATURAL HISTORY



## Hear Me Out/Escúchame

### Evento de Invierno

Reserve la fecha para una noche en la que podrá disfrutar del nuevo trabajo del proyecto Hear Me Out/Escúchame, que conecta a adolescentes de ascendencia latina/o/x con los espacios de nuestra galería. Escuche el nuevo lista de reproducción en su propio dispositivo mientras recorre las galerías en busca de sus criaturas favoritas. Utilice su descuento de miembro en la tienda de regalos en el HMNH. Visite los carritos de actividades para ver demostraciones. Para más información, consulte el sitio web cuando se acerque la fecha. Tenga en cuenta que sólo el Museo de Historia Natural de Harvard estará abierto por la noche.



**Presentado en colaboración con el Instituto de Servicios de Museos y Bibliotecas, la División de Asuntos Culturales y Recreativos de Chelsea, el Centro de Medios de Comunicación de Somerville y The Welcome Project**

FALL 2021 LECTURE SERIES

# EVOLUTION MATTERS

Thursday, September 16, 6:00–7:15 pm ET



## Testosterone

The Hormone that Dominates and Divides Us

**CAROLE HOOVEN**

Lecturer and Codirector of Undergraduate Studies  
Department of Human Evolutionary Biology  
Harvard University



*In Conversation with*

**DANIEL GILBERT**

Edgar Pierce Professor of Psychology, Harvard University

Wednesday, October 13, 6:00–7:15 pm ET



## Did We Evolve to Exercise?

**DANIEL LIEBERMAN**

Edwin M. Lerner II Professor of Biological Sciences and  
Professor of Human Evolutionary Biology  
Harvard University

Wednesday, November 10, 6:00–7:15 pm ET



## Biogeography across Broken Continents and Sunken Islands

**GONZALO GIRIBET**

Professor of Organismic and Evolutionary Biology;  
Curator of Invertebrate Zoology; Alexander Agassiz  
Professor of Zoology; and Director, Museum of  
Comparative Zoology, Harvard University

HARVARD  
MUSEUM of  
NATURAL  
HISTORY

SUPPORTED BY A GENEROUS GIFT FROM DRS. HERMAN AND JOAN SUIT

## BILINGUAL EXHIBITION

VER LA PÁGINA SIGUIENTE PARA LEER EN ESPAÑOL

Opens Tuesday, September 7 ✦ *see page 5*

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

# Muchos Méxicos

## Crossroads of the Americas



*Muchos Méxicos* explores Mexico's rich history as a site of human innovation, creativity, and cultural diversity. Featuring Mexican objects from the Peabody Museum collections, this bilingual exhibit tells the story of Mexico as a multicultural and geographic crossroads—one where the exchange of resources, products, and ideas among Indigenous peoples throughout the Americas before the Spanish invasion, and then with cultures around the globe—have all created a vibrant nation. *See related lecture on page 9.*



# EXPOSICIÓN BILINGÜE

SEE PREVIOUS PAGE TO READ IN ENGLISH

Abre el martes 7 de septiembre ✱ *ver la página 5*

PEABODY MUSEUM OF ARCHAEOLOGY & ETHNOLOGY

## Muchos Méxicos

### Encrucijada de las Américas



*Muchos Méxicos* explora la rica historia de México como un sitio de innovación humana, creatividad, y diversidad cultural. Con objetos mexicanos de las colecciones del Museo Peabody, esta exposición bilingüe cuenta la historia de México como encrucijada multicultural y geográfica, donde el intercambio de recursos, productos e ideas entre los pueblos indígenas de toda América antes de la invasión española, y luego con culturas alrededor del mundo, han creado una nación vibrante. *Ver la conferencia relacionada en la página 10.*



# EXHIBITION

Opens Tuesday, September 7 ✨ see page 5

HARVARD MUSEUM OF THE ANCIENT NEAR EAST

## Mediterranean Marketplaces

### Connecting the Ancient World

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Much like today, ancient “consumers” were connected to distant markets. Both basic and precious goods from faraway lands “shipped” to royal palaces, elite estates—sometimes even rural households—and technological advances in craftsmanship and commerce transcended boundaries of language, religion, or culture to spread rapidly. *Mediterranean Marketplaces* explores how the movement of goods, peoples, and ideas around the ancient Mediterranean transformed the lives and livelihoods of people at all levels of society, driving innovations that had lasting impacts—even on the modern world.



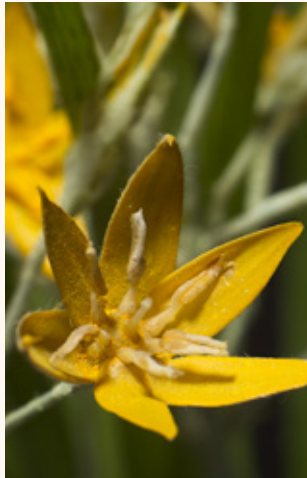
# EXHIBITION

Opens Thursday, November 18 \*see page 5

HARVARD MUSEUM OF NATURAL HISTORY

## From the Hands of the Makers

Over their fifty years of creating the Glass Flowers, Leopold and Rudolf Blaschka, father and son, continually experimented with materials and methods that pushed the boundaries of glassworking. Years later, their complex and varied practices presented unique challenges for the conservators preserving and protecting the models, which led to a suite of conservation processes nearly as varied as the Blaschka's techniques. *From the Hands of the Makers* explores what it takes to both make and conserve a model and investigates the lingering mysteries surrounding the making of the glass flowers—closely held secrets that only modern technology can reveal.



# ONLINE EXHIBITIONS AND MORE

New perspectives and behind-the-scenes takes on our galleries and exhibits

HARVARD MUSEUMS OF SCIENCE & CULTURE



## HMSC Museum Virtual Tours

Book a private virtual tour of the famous Glass Flowers gallery! This docent-led tour will delve into the history, artistry, and significance of the collection and give participants the opportunity to explore the gallery online. These interactive tours are one hour long and offer time for Q&A with your tour guide. You can also explore the Harvard Museums of Science & Culture from home with [free interactive self-guided tours](#) such as the Hear Me Out/ Escúchame Project virtual tour (in both English and Spanish), *A World of Connections*, *Nature as Artist*, and more.

## HMSC Connects! Podcast



[This lively podcast, hosted by Jennifer Berglund](#), goes behind-the-scenes of the four HMSC museums to talk with the scholars, researchers, collection keepers, exhibit designers, and other fascinating individuals who keep the museums humming along and create a dynamic array of exhibits and programs.

# VIRTUAL DRAWING WORKSHOPS

Instructor: Artist and Educator Erica Beade

Advance Registration Required

HARVARD MUSEUM OF NATURAL HISTORY



## Drawing Birds

**Wednesday, September 15, 9:30-11:30 am • \$30 members / \$35 nonmembers**

Capture the beauty of birds with pencil and paper in this online workshop. We will explore avian anatomy, step-by-step methods for developing bird drawings, and techniques for drawing feather textures. Group will be limited to ten, allowing ample time for individual feedback. All skill levels are welcome.

## Drawing Plants and Flowers

**Wednesday, September 22, 9:30-11:30 am • \$30 members / \$35 nonmembers**

Capture the beauty and variety of plant forms with pencil and paper in this online workshop. We will explore botanical drawing techniques through close observation and practice creating contour, gesture, foreshortening, and shading. Group will be limited to ten, allowing ample time for individual feedback. All skill levels are welcome.

## The Art and Science of Frogs

**Saturday, October 23, 10:30 am-12:30 pm • \$40 members / \$45 nonmembers**

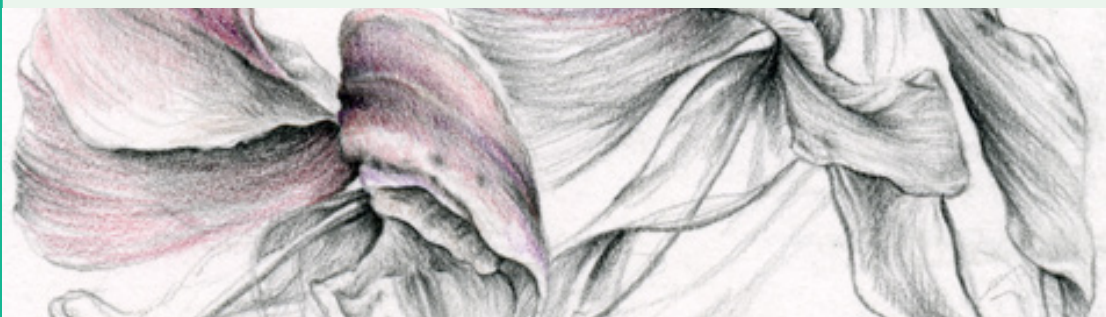
Explore the rich diversity of frogs by observing and sketching 3D models printed from Harvard's research collections. Erica Beade will introduce techniques for achieving accurate shapes and capturing volume in your drawings, while herpetologist and researcher, Dr. Mara Laslo, will explain how evolution has generated their amazing diversity. Group will be limited to twelve, allowing ample time for questions and discussion.

# VIRTUAL DRAWING WORKSHOPS

Instructor: Artist and Educator Erica Beade

Advance Registration Required

HARVARD MUSEUM OF NATURAL HISTORY



## Sketching and Mindfulness

**Wednesday, December 8, 9:30-11:30 am • \$30 members / \$35 nonmembers**

Explore how sketching can be a practice for deepening mindful awareness of our surroundings, and how mindful awareness can enrich our sketching practice by helping to quiet inner voices. Using natural objects as our subject matter, we will find ways to focus our attention, learn to see more deeply, and record our observations more carefully. Group will be limited to twelve, allowing ample time for individual feedback. All skill levels are welcome.

## Botanicals in Colored Pencil

**Wednesday, December 15, 9:30-11:30 am • \$30 members / \$35 nonmembers**

Explore the beauty and variety of plant forms using pencil and colored pencil. This workshop will introduce botanical drawing techniques beginning with close observation, and follow with techniques for achieving greater accuracy, capturing depth, volume, texture, and color. We will look at examples, discuss techniques, and have plenty of time for drawing and individual feedback. Group will be limited to twelve, allowing ample time for individual feedback. All skill levels are welcome.

# FREE VIRTUAL AFTER-SCHOOL SPECIAL EVENT

Once each month from September 14–November 9, 4:00–4:45 pm ET  
Advance Reistration Required

HARVARD MUSEUM OF NATURAL HISTORY

## After-School Animal Encounters

What might your life be like if you spent half your day on land and the other half in the ocean? How would you hunt for food if you were only a few inches long? Is one type of snake really all that different from another? Get the answers to these questions and more as human museum staffers Javier and Ryan introduce you to several live animals. Each month we will discuss a different theme while feeding and interacting with some of the museum's incredible animals!

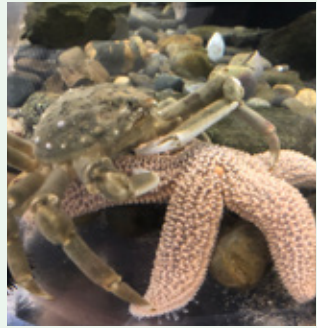
**Tuesday, September 14**  
**Pint-Sized Predators**



**Tuesday, October 5**  
**Radical Reptiles**



**Tuesday, November 9**  
**Teeming Tidepools**



# One membership. Four museums ...and countless opportunities!

Membership in the Harvard Museums of Science & Culture opens the doors to four museums and provides special access and opportunities. In return, members support everything we do, from free public lectures and educational outreach to new exhibitions.

## Early Access!

HMSC members will be among our first visitors when the museums reopen this fall. We will welcome members before opening our doors to the public! From October 4 through November 24, you will be able to see new exhibitions, reconnect with old favorites, and meander through uncrowded galleries. Dates subject to change.

[Visit the website for museums hours and updates.](#)

## Great Benefits

As a member, you will enjoy benefits all year, including unlimited admission to the four HMSC museums, the Harvard Art Museums, and science centers worldwide through the ASTC Travel Passport Program. Members also receive invitations to exclusive in-person and virtual programs, special prices on museum classes, discounts in our shops, and access to several Harvard libraries. Free parking and guest passes are included at some membership levels. [See the full list of benefits and become a member today](#), or [contact the Membership Office](#).



## members only behind-the-screens

Tuesday, October 19, 6:00–6:45 pm ET

▪ [see page 16 for more details](#)

## A Fireside Chat with New HMSC Director Brenda Tindal



## members only behind-the-screens

Tuesday, October 26, 6:00–6:45 pm ET

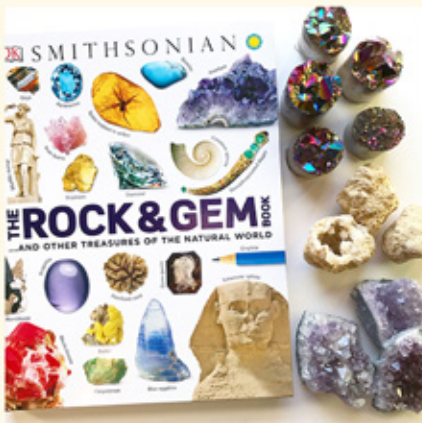
▪ [see page 19 for more details](#)

## In Conversation with Gonzalo Giribet

Director, Museum of Comparative Zoology  
Professor of Organismic and Evolutionary Biology

# The Shop at HMNH

Inspired by the museum collections



Looking for the perfect gift? Let us help you find the perfect item from the museum shop. We're here to answer questions, send photos, or even set up a virtual shopping appointment.

- For details, [visit hmn.harvard.edu/shop](https://hmn.harvard.edu/shop)
- HMSC members receive a 10% everyday discount and 25% off during December

**HMSC**  
HARVARD MUSEUMS OF  
SCIENCE & CULTURE

# Photo Credits

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Pages 2-3: Detail, *Acer rubrum*, (Red Maple), Model 726, Leopold and Rudolf Blaschka. The Ware Collection of Blaschka Glass Models of Plants, Harvard University Herbaria/Harvard Museum of Natural History © President and Fellows of Harvard College

Page 4: Detail of woven bag. Museum Purchase, Huntington Frothingham Wolcott Fund, 1902. Image © President and Fellows of Harvard College, Peabody Museum of Archaeology & Ethnology, 02-45-20/C3248

Page 7: Left: Katherine Sayn-Wittgenstein

Page 8: Top: courtesy of Candlewick Press. Bottom: Ken Robinson

Page 9 and 10: Zapotec Ceramic Effigy Vessel, Monte Albán III B, Oaxaca, 500-700 CE, Late Classic. Exchange with Davenport Public Museum © President and Fellows of Harvard College, Peabody Museum of Archaeology and Ethnology, 64-38-20/22832

Page 11: Top: *Conognatha fisheri*, The David Rockefeller Beetle Collection. Bottom: Alex Jaffe

Page 12: Top: Matt Mays. Bottom left: Claudia Gravenstein-GuyLian

Page 17-18: Left portrait: Tonalli Studio

Page 20-21: Top: Shutterstock by Brian A. Jackson

Page 24: Bottom: Tom McInnes

Page 25-26: bottom: Shutterstock by Iakov Filimonov

Page 28-29: Top: Zapotec Ceramic Effigy Vessel, Monte Albán III B, Oaxaca, 500-700 CE, Late Classic. Exchange with Davenport Public Museum © President and Fellows of Harvard College, Peabody Museum of Archaeology & Ethnology, 64-38-20/22832. Bottom: Anquera, Probably Mexico City, c. 1750-1800. Gift of the Heirs of David Kimball © President and Fellows of Harvard College, Peabody Museum of Archaeology & Ethnology, 99-12-20/52900

Page 30: Right: Bottle, green glass, mold-blown, date uncertain, 1936.2.82

Page 31: Left to right:

*Proboscidea louisianica* (Ram's horn), Model 297, Leopold and Rudolf Blaschka, 1892.

*Hypoxis hirsuta* (Common goldstar), Model 307, Leopold and Rudolf Blaschka, 1892.

*Dichanthelium xanthophysum* (Slender rosette grass), Model 774, Rudolf Blaschka, 1892.

The Ware Collection of Blaschka Glass Models of Plants, Harvard University Herbaria/Harvard Museum of Natural History © President and Fellows of Harvard College

Pages 33-34: Both drawings by Erica Beade