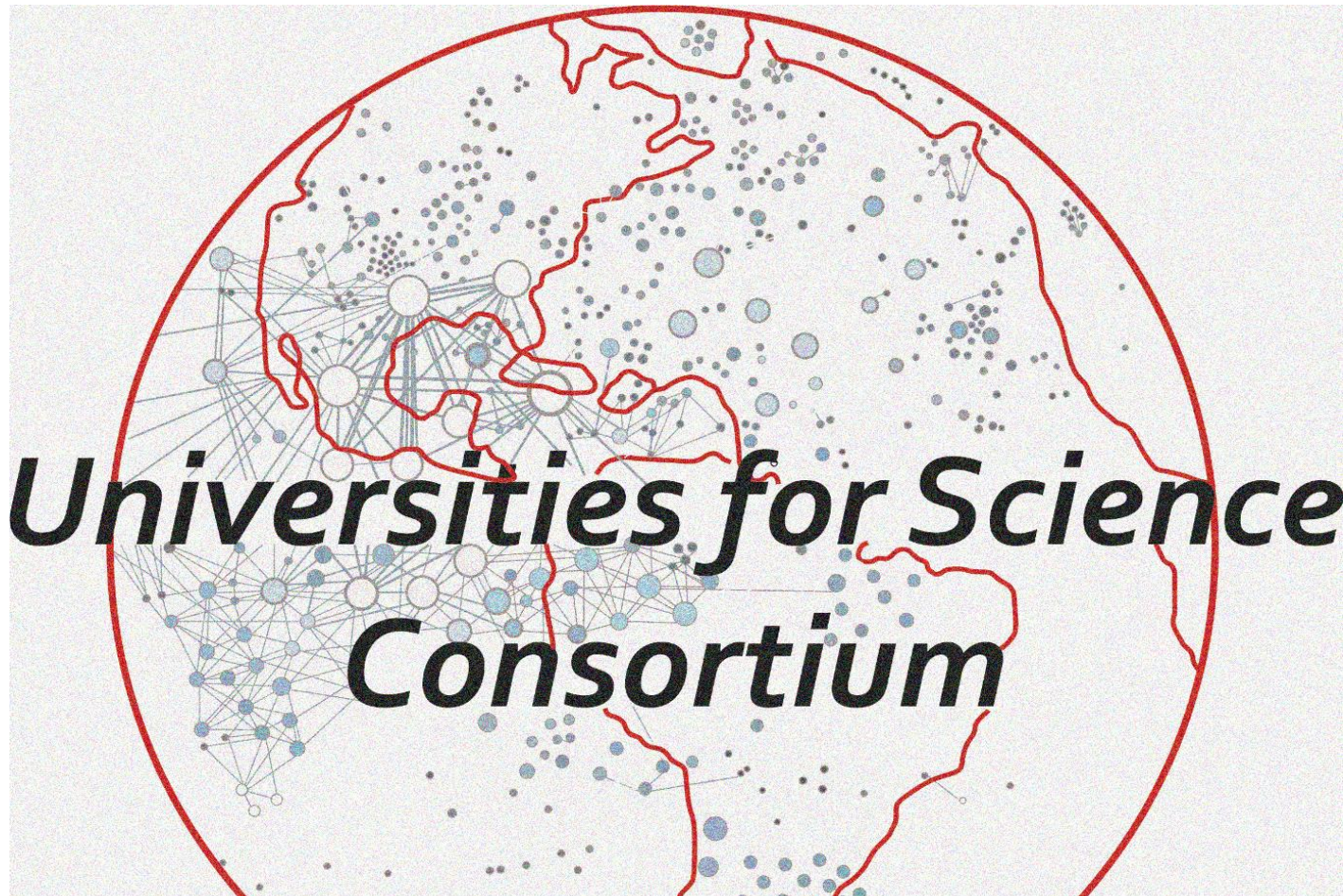
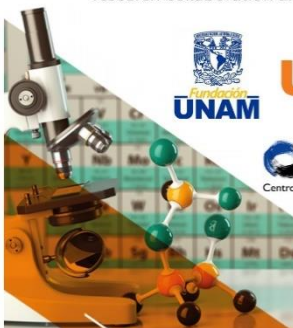


# Universities for Science Consortium Newsletter



## Universities for Science Consortium

Building bridges, our aim is to bring together scientists from around the globe to promote research collaboration and science communication using virtual platforms.



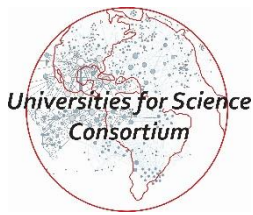
**UDLAP**



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Twitter: [@UniversidadesXCiencia](https://twitter.com/UniversidadesXCiencia) / [@UniversidadesX](https://twitter.com/UniversidadesX)





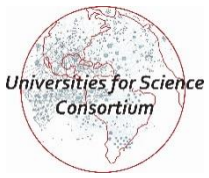
## Editorial

This is the first year of the **Universities for Science Consortium**. It has been a year of intense activity, achievements and challenges. It has also been an eventful time, building partnerships and collaborations and expanding frontiers.

This initiative seeks to open spaces for interacting, presenting research findings and collaborating in projects and proposals, by exploring inclusive friendly ways using the internet and telecommunication facilities.

The Universities for Science Consortium has as its core mission to shorten distances and build bridges, giving voice and presence to national and international researchers and students in order to promote collaboration in research and the dissemination of science. The virtual means are particularly useful during the difficult circumstances and isolation in which we find ourselves.

Activities have included the research seminar series, the cycle of science documentaries and special forums, organized by the Consortium. Additional activities organized by member institutions are also generously shared with the Consortium. The Universities for Science Consortium has attracted an elite group of universities and centres. The compromise is to do better, strengthening its potential.



## Universities for Science Consortium

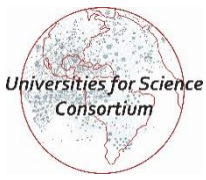
The UnivSci Consortium was started in May 2020, from an initiative by Martin Serrano Meneses, dean of the University of the Americas Puebla and Araxi Urrutia, researcher at the UNAM Ecology Institute and Milner Centre for Evolution, University of Bath, in collaboration with Dionisio Meade President UNAM Foundation, Araceli Rodriguez, Executive Director UNAM Foundation and Jaime Urrutia Fucugauchi, member of El Colegio Nacional and UNAM Foundation Council.

This initiative seeks to open spaces for interacting, presenting research findings and collaborating in projects and proposals, by opening inclusive friendly ways using the internet and telecommunication facilities.

The Universities for Science Consortium has as its core mission to shorten distances, build bridges, giving voice and presence to national and international researchers and students in order to promote collaboration in research and the dissemination of science. The virtual means are particularly useful during the difficult circumstances and isolation in which we find ourselves.

### **Activities**

Our activities so far include the seminar series, the cycle of science documentaries and special forums, organized by the Consortium. Additional activities organized by member institutions are also generously shared with the Consortium.



## Universities for Science Consortium

The consortium brings together 20 institutions in Mexico, United States, Brazil and United Kingdom, including UNAM Institute of Ecology, University of the Americas Puebla, National College, UNAM Foundation, UNAM Center for Complexity Sciences, Biosphere2 and University of Arizona, Milner Centre for Evolution of the University of Bath, UNAM Center for Genomic Sciences, Universidad Autónoma Metropolitana Unidad Lerma, Institute of Scientific Research and Advanced Studies Chicxulub, Instituto Tecnológico Autónoma de Mexico ITAM, University of Monterrey, UNAM-UK Center for Mexican Studies and the University of Campinas.

Membership of the consortium is open to institutions, interested in supporting and promoting scientific research as an institutional priority.

There are no associated costs and members make no commitments. Membership is voluntary, no agreement is required and any institution may withdraw at any time.

Members can assist by one or more of the following:

1. Spreading the consortium's activities
2. Propose speakers for seminar cycles organized by the consortium
3. Propose themes/topics for seminar series, symposia, courses, etc. to be organized by the Consortium
4. Share events organized by the member institution (which retains all control and credit for all shared events and activities).
5. Propose ideas on the strategy and vision of the consortium.
6. Any proposals, ideas and contributions!

# CICLO UNIVERSIDADES POR LA CIENCIA

**Junio de 2020**

**Coordinan:**  
**Dionisio Meade García de León**  
Fundación UNAM  
**Araceli Rodríguez de Fernández**  
Fundación UNAM  
**Martin Serrano Meneses**  
Universidad de las Américas Puebla  
**Araxi Urrutia**  
Universidad Nacional Autónoma de México  
**Jaime Urrutia Fucugauchi**  
Integrante de El Colegio Nacional

**Martes 9 • 18 h**

Conferencia

**Las neurociencias del sabor dulce**

**Araxi Urrutia Odabachian**

Imparte: **Ranier Gutiérrez**, Centro de Investigación y de Estudios Avanzados

**Jueves 11 • 18 h**

Conferencia

**Consecuencias de los cambios climatológicos en los suelos, océanos y selvas tropicales**

Imparte: **Joaquín Ruiz**, University of Arizona

**Martes 16 • 12 h**

Conferencia

**El pollo magnífico: New fossil evidence on the origin of birds**

Imparte: **Daniel Field**, Cambridge University

**Martes 23 • 12 h**

Conferencia

**Historia de la domesticación animal**

Imparte: **Pablo Orozco**, Cardiff University

**Viernes 26 • 12 h**

Conferencia

**Orígenes de la civilización maya examinados con Lidar**

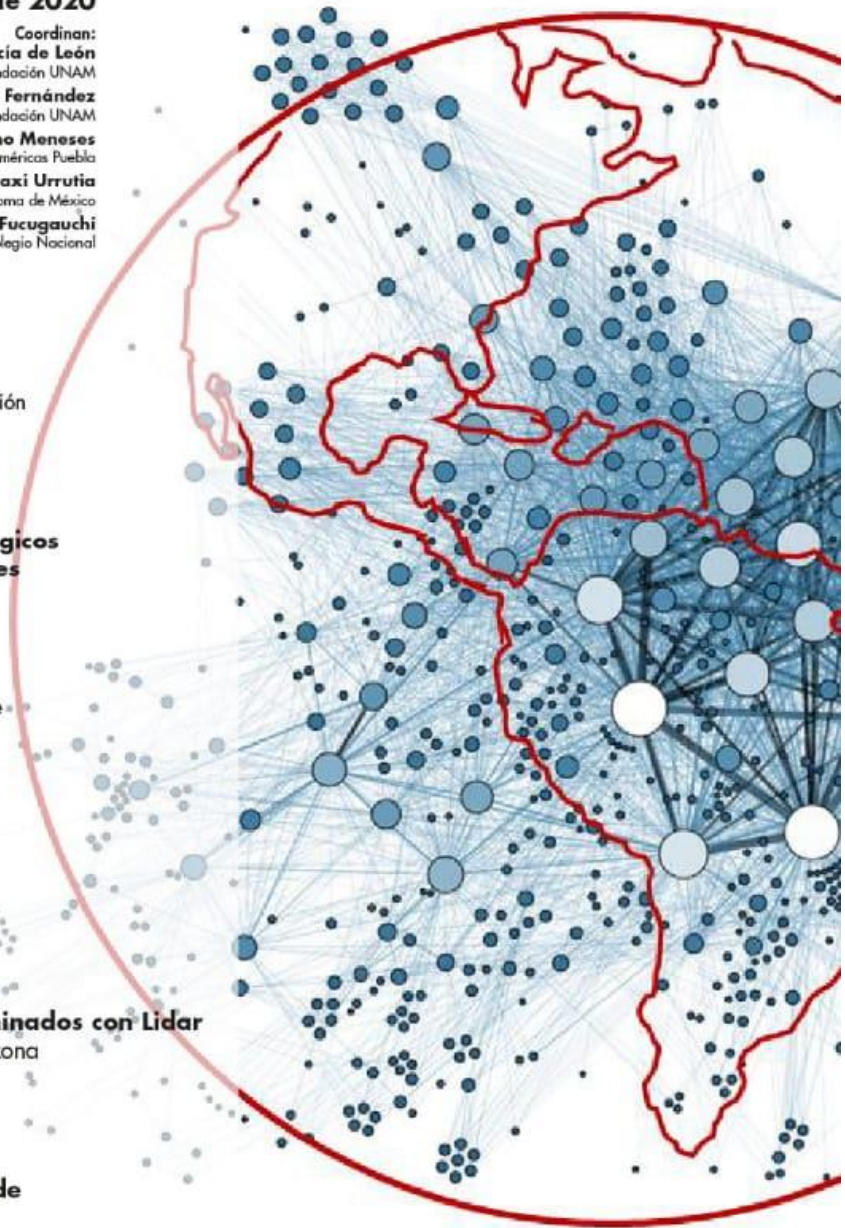
Imparte: **Takeshi Inomata**, University of Arizona

**Martes 30 • 12 h**

Conferencia

**The role of small RNAs in parasitism**

**by a gastrointestinal parasitic nematode**  
Imparte: **Vicky Hunt**, University of Bath



Transmisión  
en **VIVO**

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 [elcolegionacionalmx](#)

[www.colnal.mx](#)



**UDLAP**



CICLO  
UNIVERSIDADES POR LA CIENCIA

# WHAT DO WILD MICE HYBRIDS TELL US ABOUT SPECIATION?

Martes 8 de diciembre  
de 2020 • 12:00 p. m.

Imparte:

**Leslie Turner**

Milner Center for Evolution,  
University of Bath, UK

Coordinan:

**Dionisio Meade García de León**  
Fundación UNAM

**Araceli Rodríguez de Fernández**  
Fundación UNAM

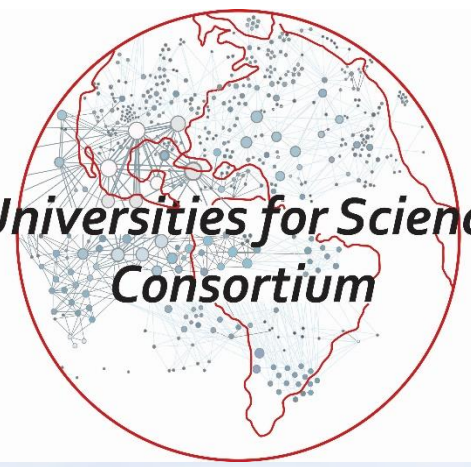
**Martín Serrano Meneses**  
Universidad de las Américas Puebla

**Araxi Urrutia Odabachian**  
Universidad Nacional Autónoma de México

**Jaime Urrutia Fucugauchi**  
Miembro de El Colegio Nacional



Universities for Science  
Consortium



LA CIENCIA

# DE LA CIVILIZACIÓN MINADOS CON LIDAR

Imparte:

**Takeshi Inomata**

University of Arizona



CICLO  
UNIVERSIDADES POR LA CIENCIA

# EVOLUCIÓN DE LAS POBLACIONES EN MÉXICO: GENÓMICA Y SALUD

Imparte:

**Víctor Acuña Alonzo**

Escuela Nacional de Antropología e Historia

Coordinan:

**Dionisio Meade García de León**  
Fundación UNAM

**Araceli Rodríguez de Fernández**  
Fundación UNAM

**Martín Serrano Meneses**  
Universidad de las Américas Puebla

**Araxi Urrutia**  
Universidad Nacional Autónoma de México

**Jaime Urrutia Fucugauchi**  
Integrante de El Colegio Nacional



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UNIVERSIDADES POR LA CIENCIA

CONFERENCIA

# VACCINE WASTAGE: A NANOTECHNOLOGY SOLUTION

Imparte:

**Asel Saribaeva**  
University of Bath UK

Coordinan:

**Dionisio Meade García de León**  
Fundación UNAM

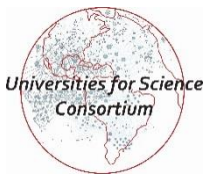
**Araceli Rodríguez de Fernández**  
Fundación UNAM

**Martín Serrano Meneses**  
Universidad de las Américas Puebla

**Araxi Urrutia**  
Universidad Nacional Autónoma de México

**Jaime Urrutia Fucugauchi**  
Integrante de El Colegio Nacional





## Universities for Science Consortium

The seminar series has attracted increased attention, with participation of researchers from different disciplines and universities. The online conferences have been well attended, with participants joining from different places, forming an international group. The multi- and interdisciplinary approach that has been part of the initial aims of the program has enriched and fostered interactions and collaborations.

Conferences in the seminar series have included a wide range of research areas, on life evolution, paleontology, genetics, genomics, mass extinctions, health, climate change, Covid pandemic, anthropology and archaeology.

Special activities have included a symposium on Covid pandemic and virus vectors in the Aleph Festival and conferences and forums on cosmology and quantum physics. The conference on cosmology presented by Carlos Frenk was co-organized with the UK-UNAM Centre for Mexican Studies. The forum on quantum physics on the 120th anniversary of the black body radiation by Plank was organized in honor of Noble Prize winner Mario Molina. Participants included William Phillips Nobel Prize winner, Luis Orozco, Drew Schindell and Juan Villoro.

The conference titles and invited speakers in the list below give an overview of the program.

**- Las neurociencias del sabor dulce**

June 9 2020

**Ranier Gutiérrez**

Centro de Investigación y Estudios Avanzados CINVESTAV

**- Consecuencia de los cambios climatológicos en los suelos, océanos y selvas tropicales**

June 11 2020

**Joaquín Ruíz**

Global Environmental Futures Biosphere 2 University of Arizona

**- El pollo magnífico: New fossil evidence on the origin of birds**

June 16 2020

**Daniel Field**

Cambridge University, UK

**- Historia de la domesticación animal**

June 23 2020

**Pablo Orozco**

Cardiff University, UK

**- Orígenes de la civilización Maya examinados con lidar**

June 26 2020

**Takeshi Inomata**

University of Arizona

**- The role of small RNAs in parasitism by a gastrointestinal parasitic nematode**

June 30 2020

**Vicky Hunt**

University of Bath, UK

**- The recovery of life after the end Cretaceous mass extinction**

July 7 2020

**Christopher Lowery**

The University of Texas at Austin

**- Conservación del fenómeno migratorio de la mariposa monarca**

July 14 2020

**Víctor Sánchez Cordero**

Instituto de Biología, UNAM

**- Fossils, genomes and uncertainties in the molecular clock**

August 4 2020

**Mario Dos Reis**

Queen Mary University of London, UK

**- Genetics of adaptation in sticklebacks**

August 11 2020

**Catherine Peichel**

University of Bern, Switzerland

**Universities for Science Consortium**

Building bridges, our aim is to bring together scientists from around the globe to promote research collaboration and science communication using virtual platforms.





**- Cuatro Ciénegas: un oasis que nos puede ayudar a entender el origen de la diversidad**

August 18 2020

**Valeria Souza**

Instituto de Ecología, UNAM

**- Polyploidy in plants: Is more always better?**

August 25 2020

**Paula Kover**

Milner Centre for Evolution, University of Bath, UK

**- Cambio climático y salud: anatomía de una pandemia**

September 1st 2020

**Jaime Martínez Urtaza**

Universidad Autónoma de Barcelona

**- Vaccines: A nanotechnology solution to the cold chain problem**

September 8 2020

**Asel Sartbaeva**

University of Bath, UK

**- Migración: retos y realidades**

September 15 2020

**Marianne Marchand**

Universidad de las Américas Puebla

**- Mitos y realidades del efecto placebo**

September 22 2020

**Gustavo Pacheco**

Universidad Autónoma Metropolitana

**- ¿Nos pueden proteger las bacterias de nuestro cuerpo de los virus?**

September 29 2020

**Esperanza Martínez**

Centro de Ciencias Genómicas, UNAM

**- Maternal Brain: from placentas to caregiving behaviour**

October 6 2020

**Ross John**

Cardiff University, UK

**- Evolución de las poblaciones en México: genómica y salud**

October 13 2020

**Víctor Acuña Alonso**

Escuela Nacional de Antropología e Historia

**- Evolución en marcha rápida: ¿qué podemos aprender de la maleza?**

October 20 2020

**Ana Caicedo**

University of Massachusetts



- **Raíces: la mitad oculta de las plantas que no entendemos**

October 27 2020

**Ulises Rosas**

Instituto de Biología, UNAM

- **Mating systems and sex roles**

November 3 2020

**Tamás Székely**

Milner Centre for Evolution University of Bath, UK

- **La edad de las plantas con flor**

November 17 2020

**Susana Magallón Puebla**

Instituto de Biología, UNAM

- **En el tiempo de la pandemia: las enfermedades detrás del exterminio de los anfibios**

November 24 2020

**Patricia Burrowes**

University of Puerto Rico

- **Trastornos cardiometabólicos: ¿Cuál es la contribución del genoma nativo americano?**

December 1st 2020

**María Teresa Villarreal**

Instituto Nacional de Medicina Genómica

- **What do wild mice hybrids tell us about speciation?**

December 8 2020

**Leslie Turner**

Milner Centre for Evolution, University of Bath, UK

- **Fronteras de la cosmología Todo de la Nada: ¿Cómo se formó nuestro universo?**

December 10 2020

**Carlos Frenk**

University of Durham, UK

- **Origen de la Física Cuántica**

**120 Aniversario de la radiación de cuerpo negro de Plank**

- **Homenaje al Premio Nobel Mario Molina**

December 14 2020

**William Philips, Luis Orozco, Drew Schindel**

**Juan Villoro, J Urrutia Fucugauchi**

- **Ondas y Partículas**

**Luis Orozco**

## Universities for Science Consortium

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Twitter: UniversidadesXCiencia @UniversidadesX

# CICLO UNIVERSIDADES POR LA CIENCIA

Agosto de 2020 • 12 h

Coordinan:

**Dionisio Meade García de León**  
Fundación UNAM

**Araceli Rodríguez de Fernández**  
Fundación UNAM

**Martín Serrano Meneses**  
Universidad de las Américas Puebla

**Araxi Urrutia**  
Universidad Nacional Autónoma de México

**Jaime Urrutia Fucugauchi**  
Integrante de El Colegio Nacional

**Martes 4**

Conferencia

**Fossils, genomes and uncertainties  
in the molecular clock**

Imparte: **Mario dos Reis**, Queen Mary University  
of London UK

**Martes 11**

Conferencia

**Genetics of adaptation in sticklebacks**

Imparte: **Catherine Peichel**, University of Bern Switzerland

**Martes 18**

Conferencia

**Cuatro Ciénegas: un oasis que nos puede  
ayudar a entender el origen de la diversidad**

Imparte: **Valeria Souza**, Instituto de Ecología-UNAM

**Martes 25**

Conferencia

**Polyploidy in plants: Is more always better?**

Imparte: **Paula Kover**, Milner Centre for Evolution,  
University of Bath UK

# Science Documentaries

## Universities for Science Consortium

El Colegio Nacional

**Jueves de Ciencia**

Fundación UNAM

# CHICXULUB

## EL METEORITO QUE CAMBIÓ EL MUNDO

Documental dirigido por  
Fernando González-Sitges

El Colegio Nacional

**Jueves de Ciencia**

Fundación UNAM

# EL ESCORPIÓN

Documental dirigido por Rodolfo Juárez

PARTICIPAN:

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- Lic. Dionisio A. Meade
- Lic. Araceli Rodríguez
- Mtra. Margarita Flores
- M. en C. Osiris Quezada
- Dr. Lourival Domingos
- Dr. Edson Cárcamo
- Dr. Enrique Sandoval
- Dra. Juana María Vargas
- Matías Becerril

Jueves 29 de octubre, 18 hrs.  
Transmisión en vivo  
Fundación UNAM  
www.funam.mx

CIENCIA EN TODOS LOS IDIOMAS

El Colegio Nacional

**Jueves de Ciencia**

Fundación UNAM

# CIENCIA Y CINE

Documental dirigido por Mariana Casarada

PARTICIPAN:

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- Dionisio A. Meade
- Araceli Rodríguez
- Margarita Flores
- Ivan Trujillo
- Eduardo de la Vega
- Manuel Martínez
- Rodrigo Ordóñez
- Paulina del Paso

Jueves 22 de octubre, 18 hrs.  
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**Jueves de Ciencia**

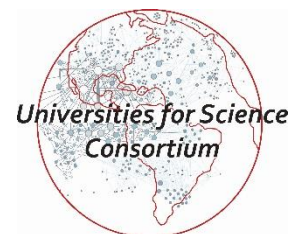
# CONTAMINACIÓN LUMÍNICA

Documental dirigido por Felipe Bracho

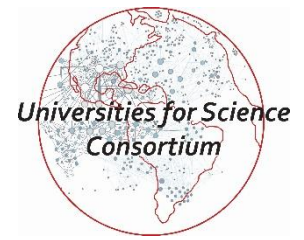
Jueves 8 de octubre, 18 hrs.  
Transmisión en vivo  
Fundación UNAM  
www.funam.mx

Dra. Silvia Torres  
Dra. Inene Cruz-González  
Dr. William Lee  
Dr. José Franco  
M. en C. Fernando Ávila

CIENCIA EN TODOS LOS IDIOMAS



## Editorial Board



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Instituto de Ecología UNAM

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Universidad de las Americas Puebla

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Fundacion UNAM

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Fundacion UNAM

Ligia Perez Cruz

Coordinacion Plataformas Oceanograficas UNAM

Jaime Urrutia Fucugauchi

El Colegio Nacional & Fundacion UNAM

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<https://www.youtube.com/channel/UCaNtTWZwx0vN9nTeh43BZeQ>

(All events available on playlists)

# Universities for Science Consortium

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Twitter: UniversidadesXCiencia @UniversidadesX

# 2021

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