

## Calendar of Events

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April 26, 2024

**The Evolution of Nautiloid and Ammonoid Cephalopod**

07:30 PM - 08:30 PM EST

*The Kentucky Paleontological Society (KPS) monthly meeting*

*Lexington, Kentucky, Mines and Minerals Resources Building, Room 101, Rose Street,  
UK Campus. PLEASE PRACTICE SOCIAL DISTANCING.*

*SPEAKER- Dan Phelps, President, KPS*

April 27, 2024

### **Climate Change in the High School Physics Classroom**

11:00 AM - 12:00 PM EST

*Climate Change in the High School Physics Classroom Talk Series: Talk #3:*

*Sat. April 27 at 8am PDT/Arizona time (11am EDT)*

*Presenter: Ms. Vandana Singh, Professor of Physics and Environment, Framingham State University*

*Talk Title: Beyond the Greenhouse Effect: Climate Change and Social Justice*

*Free; public invited. Via Zoom.*

*Register at this URL: [bit.ly/polstclimate](https://bit.ly/polstclimate)*

*(Or at:*

*[docs.google.com/forms/d/e/1FAIpQLScZADeBVRoB42y6lRen8Vn-\\_ZTI\\_EAj1OUYxCi3FGNzowTW5w/viewform](https://docs.google.com/forms/d/e/1FAIpQLScZADeBVRoB42y6lRen8Vn-_ZTI_EAj1OUYxCi3FGNzowTW5w/viewform) )*

*All are invited to contribute by asking questions or sharing their ideas. Also, a follow-up 'Coffee Hour' will be on THURSDAY, MAY 2, at 3pm PDT/AZ time (6pm EDT) via Zoom. Vandana will be there, to go deeper.*

*Summary: Climate change is part of a complex of global social-environmental problems that pose an existential threat to humanity and the biosphere. Unfortunately, we also live in an age of massive greenwashing, without good evaluative frameworks for so-called solutions. It is imperative that our students are able to think critically and ethically about climate change and climate solutions so that they can be inspired to take wise action.*

*Yet, scholars agree, broadly speaking, that mainstream education has failed us. An important reason for this is that the climate problem transcends conventional educational frameworks. It is a richly complex problem that spans large scales of space and time, it is inherently interdisciplinary and it is centrally concerned with issues of justice and equity. How to embrace these essential aspects despite our siloed education system? I'll describe development of a justice-centered transdisciplinary pedagogy of climate change in the context of a general physics classroom in which stories serve as jump-off points for explorations at the intersection of science, society and justice.*

*Bio: Vandana Singh is a theoretical particle physicist by training and a professor of physics and environment at Framingham State University. For the past fifteen years she has been working on a re-visioning of the climate crisis at the nexus of science, society and meaningful action, and has developed an always-in-progress transdisciplinary, justice-centered climate pedagogy for her general physics classes that has wide applicability across disciplines.*

April 29, 2024

### **Bench Talk: The Week in Science Podcast**

**106.5 FM or online at <https://www.forwardradio.org/bench-talk>**

07:30 PM - 08:00 PM EST

Forward Radio,

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April 30, 2024

**Deadline to Submit an Abstract- NANO + Additive Manufacturing Summit**

See website for details

<https://nanoamsummit.com/>

## **Deadline to apply for BIOMED-PREP program at U of L**

See website for details

### *Details:*

*<https://louisville.edu/medicine/departments/microbiology/research/ul-biomed-prep>  
The University of Louisville Biomedical Integrative Opportunity for Mentored Experience Development Post-baccalaureate Research Education Program (UL-BIOMED-PREP), is a National Institutes of Health (NIH) funded program that provides an extensive paid research experience in outstanding research facilities with leading investigators at the University of Louisville. This one year-long program also provides comprehensive professional development experiences and workshops to strengthen the professional skills necessary to apply and succeed in research and graduate school. Overall, this experience is designed to prepare individuals for admission into a biomedical sciences Ph.D. program.*

### *Our Mission*

*UL-BIOMED-PREP is supported by the National Institute of General Medical Sciences, which aims to enhance diversity in the scientific workforce. UL-BIOMED-PREP supports individuals underrepresented in STEM who graduated recently (<36 months). The mission of the UL-BIOMED-PREP is to train the next generation of underrepresented scientists in STEM fields represented in our Schools of Medicine, Dentistry, Arts and Sciences, and Engineering. UL-BIOMED-PREP is a unique integrated education program among these four schools; it will provide graduates from Kentucky and surrounding areas who are underrepresented in the STEM fields with extensive mentored development and research opportunities in these disciplines with access to an extensive array of scientific projects, tailored courses designed to develop skills that will prepare them to apply to a Biomedical Sciences Ph.D. program, and cohort-building activities geared toward building resiliency and developing critical thinking and life-long learning skills necessary for becoming a successful scientific leader.*

### *Why Choose UL-BIOMED-PREP?*

*Receive 12 months of paid research experience with access to health benefits and tuition support for PREP courses*

*Access to state-of-the-art research facilities*

*Access to a diverse UofL faculty (>60) from different disciplines with graduate student mentoring experience*

*Rotation in two laboratories before selection of a mentor*

*Exposure to graduate-level courses*

*Access to GRE test preparation services and tutoring opportunities*

### *Unique workshops*

*Emphasize and discuss the most effective learning strategies with current graduate students*

*Acquire Molecular Biology skills including library preparation for RNAseq analysis (1 full week)*

*Professional development workshops focusing on communication and writing as well as*

*goal setting, motivation, and perseverance*

*Access to senior graduate students as Peer Mentors*

*Participation in the UL-BIOMED-PREP journal club/Research in progress meetings and formal training in reading and presenting data/primary literature*

*Networking opportunities including lab meetings, group journal clubs, presentation of research findings at an annual symposium and travel allowance for an opportunity to present at a National Research Meeting*

*Financial Aid/advance provided on a case-by-case basis for flight and housing deposit/first month rent*

*biomed@louisville.edu*

May 6, 2024

**Bench Talk: The Week in Science Podcast**

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**07:30 PM - 08:00 PM EST**

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May 8, 2024

**KAS Science Policy Committee meeting**

**Virtual**

**12:30 PM - 01:30 PM EST**

Rob Weber,

[policy@kyscience.org](mailto:policy@kyscience.org)

*This committee works on various initiatives advancing scientifically sound public policy in Kentucky. Join us! Email KAS Communications & Policy Director Rob Weber for meeting details*

May 9, 2024

**Sharing Our Science: Challenges and Opportunities in Communicating STEM**

**03:30 PM - 05:00 PM EST**

*All are welcome - this event is virtual!*

*Dr. Brandon Brown's talk will be followed by a panel discussion. Dr. Brown will be joined by Megan Poole (University of Louisville English department), Lindsay Della (University of Louisville Communication department) and Jessica Gottbrath from the U of L writing center*

May 10, 2024

**Film Screening: This is the Ohio**

See website for details

May 13, 2024

**Bench Talk: The Week in Science Podcast**

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May 14, 2024

**How to Apply for Land Conservation Funding - workshop from KLTC**

Begins at 10am - afternoon field trip optional

*The KLTC's efforts with the Kentucky General Assembly to fund the Kentucky Heritage Land Conservation Fund (KHLCF) was a SUCCESS! The 2024-25 state budget added \$2 million to the KHLCF, the first time the KHLCF will receive general funds in its 30-year history! This is a tremendous starting point for seeking new conservation revenue sources in future sessions.*

*The Ky Land Trusts Coalition (KLTC) will hold a free in-person meeting on Tuesday, May 14 at the Paul Sawyer Public Library in Frankfort focusing on developing successful applications for Kentucky Heritage Land Conservation Fund grants, including requirements for applications, advantageous partnerships, how to maximize KHLCF funding, and examples of successful projects. The KLTC would like to see multiple groups take advantage of this funding opportunity, it is important to show officials that there is a demand for conservation funding!*

*Additional information will be presented on the the Kentucky Ohio River Regional Recreation Authority (KORRRA) and Regional Conservation Partnership Program (RCPP) projects that were also part of recent legislation. There will also be time to network with other conservation groups.*

*10 AM: Speakers will include-*

*Zeb Weese, Kentucky Land Trusts Coalition and retired KHLCF Chair*

*Christy Noll, Boone Conservancy Executive Director*

*Jessie Hancock, Bluegrass Land Conservancy Executive Director*

*Justin Merrifield, Land Trust Alliance Senior Project Manager*

*11:30 AM: Lunch from Kentucky Coffeetree Cafe (\$10 per person payable online)*

*12 PM: Outing led by Heather Housman, Woods and Waters Land Trust Executive Director, to the West 6th Farm in Franklin County*

**TO REGISTER BY MAY 7th PLEASE GO TO**

**<https://www.kentuckylandtrusts.org/spring-event>**

May 20, 2024

**Bench Talk: The Week in Science Podcast**

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May 21, 2024

**Film Screening: This is the Ohio**

See website for details

May 23, 2024

**eeHEN (Environmental Education Higher Education Network) Spring Summit**

See website for details

*Make plans to join us for the eeHEN Spring Summit on May 23 at the KSU Research Farm in Frankfort, KY! Registration is officially open on our site as well as our newest webpage dedicated to the eeHEN: [kaee.org/eehen](https://kaee.org/eehen). Registration is free and lunch is provided! You can expect a day filled with opportunities to network, collaborate, learn from, and partner with higher education professionals from across the state.*

May 27, 2024

**KAS Education & Engagement Committee**

10:00 AM - 11:00 AM EST

*This committee works on initiatives advancing science education, science literacy and community engagement. The group meets 4th Mondays of the month at 10am ET. Join us! Email KAS Communications & Policy Director Rob Weber for meeting details*

May 27, 2024

**Bench Talk: The Week in Science Podcast**

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May 31, 2024

**Early Bird Registration Deadline - Biennial Conference on Chemical Education at UK**

See website for details

*Registration for the Biennial Conference on Chemical Education at the University of Kentucky is now open at <https://bcce.divched.org/>*

May 31, 2024

**Deadline to Apply - U of L Summer Robotics Accelerator for Ages 17+**

May 31 is deadline to apply

June 3, 2024

**Bench Talk: The Week in Science Podcast**

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07:30 PM - 08:00 PM EST

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June 12, 2024

**KAS Science Policy Committee meeting**

**Virtual**

12:30 PM - 01:30 PM EST

Rob Weber,

[policy@kyscience.org](mailto:policy@kyscience.org)

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June 24, 2024  
- June 26, 2024

**The ABC's of Water Quality - free Professional Development for elementary teachers**  
**Thomas More University Biological Field Station**

See website for details

Shane Campbell,  
campbes@thomasmore.edu.

*The Thomas More University Biology Field Station is hosting this event. This opportunity is geared towards elementary grade teachers and is designed to empower them to teach hands-on science to their students. Teachers will experience engaging STEM workshop sessions and produce usable materials for the classroom. Complimentary breakfast and lunch will be provided each day. Registration is open online and potential participants can direct any questions to Shane Campbell at campbes@thomasmore.edu.*

June 24, 2024

**KAS Education & Engagement Committee**

10:00 AM - 11:00 AM EST

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July 13, 2024

**West Louisville Math & Science Day: Exploring Human Anatomy**

**Kentucky Center for African American Heritage**

**1701 W Muhammad Ali Blvd**

**Louisville, KY**

01:00 PM - 04:00 PM EST

info@wlmsp.org

*Exploring Human Anatomy will be taking place on Saturday, July 13th and we'd love to see you there!*

*Students & families can register here:*

*<https://www.eventbrite.com/e/exploring-human-anatomy-tickets-862524041627>*

July 27, 2024

**Raisin' Hellbenders on the River - Concert for Conservation**

03:00 PM - 09:00 PM EST

July 28, 2024  
- August 1, 2024

**Biennial Conference on Chemical Education at UK**

See websites for details

*The Biennial Conference on Chemical Education will be held on the campus of the University of Kentucky on July 28-August 1. Teachers at all levels are encouraged to attend. Abstracts are now being accepted for oral and poster sessions (information at <https://bcce.divched.org/>). We strongly encourage K-12 teachers to submit an abstract so that we have a robust program for teachers at all levels. This conference includes talks on a variety of topics including classroom practices (i.e. sharing things you've done), chemical education research presentation, and workshops to learn new things.*

*To make it easier for K-12 teachers to attend when PD funds are limited, we have a reduced registration cost of \$100 for all K-12 teachers. More information about registration is available at <https://bcce.divched.org/node/16>*

November 8, 2024  
- November 9, 2024

**Ky Science Teachers Association Annual Conference**  
**Knically Conference Center**  
See website for details

November 14, 2024  
- November 16, 2024

**Ky Psychological Association & Foundation 2024 Annual Convention**  
See website for details