



Oregon Academy of Science Newsletter

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October 2018

Linfield College

is pleased to host the 78th Annual OAS Meeting, February 23, 2019

Linfield College is pleased to host the Oregon Academy of Science for its 78th Annual meeting on Saturday, February 23, 2018. The OAS Council and I invite you to McMinnville and the beautiful Yamhill County area for an exciting meeting designed to promote scientific research and education in Oregon. The conference is an excellent opportunity for Oregon researchers in all areas of Natural, Social and Applied Science fields to converge, collaborate and communicate with one another. I look forward to seeing you at my home institution.

-Andrew Baggett, Ph.D., OAS President

Meeting Registration & Abstract Submission

To learn about OAS, please visit
<http://oregonacademyscience.org/>

Guidelines for Abstract Submission can be found in the **Join OAS** section of the web site: (<http://oregonacademyscience.org/join/>). You may also contact the appropriate section chair for additional information on abstract submission; email addresses for section chairs are listed on the last page of the newsletter. **The deadline for abstract submission is January 31, 2019.**

All presenters must be members of the Oregon Academy of Science. Your meeting registration fee includes membership dues for OAS, so it's easy to simultaneously submit an abstract and become a member. We welcome the participation of all continuing and prospective OAS members in the meeting, so please register and join OAS today!

2019 OAS Meeting Schedule

8:00-9:00	Registration, Continental Breakfast and Poster set up
9:00-10:00	Poster Session
10:00-Noon	Oral Presentations
Noon-12:45	Lunch
1:00-2:30	Awards and Plenary Presentation
2:30-4:00	Oral Presentations

The meeting check-in/registration, continental breakfast and poster session will take place on the ground floor of T.J. Day Hall. Discipline specific section presentations will also take place in T. J. Day Hall as well as Taylor Hall, Murdock Hall, and Graf Hall. Lunch will be served in Graf Hall 100. Immediately following lunch, the annual awards will be presented and the plenary lecture will be given by the 2018 OAS Outstanding Scientist of the Year, Niles Lehman, Professor of Chemistry at Portland State University and President of the International Society for the Study of the Origin of Life (ISSOL). His talk is entitled "*The Origins of Life on the Earth: A Biochemical Perspective*".

A campus and parking map can be found on the OAS website (<http://oregonacademyscience.org/>). Parking is free anywhere on campus, either along the streets or in any lots. Parking closest to meeting locations is found along Linfield Avenue and Blaine street at the northwest of campus.

OAS 2018 Meeting Recap

The 2018 Oregon Academy of Science meeting at George Fox University was a wonderful success. The meeting comprised 81 oral presentations and 33 posters covering 7 subject divisions.

Marshall Gannett, 2017 OAS Outstanding Scientist, presented the keynote address entitled *Hydrology and Groundwater-Dependent Ecosystems of Central Oregon*. Marshall recounted a career of research on the mapping of groundwater features and cycles in Oregon.

Niles Lehman received the 2018 OAS Outstanding Scientist Award. He is a Professor of Chemistry at Portland State, working to discover knowledge about the biochemical aspects of the origins of life. Niles has provided a strong foundation for the theory of RNA recombination as a driving force in the early evolution of life.

Jacque Van Hoomissen received the 2018 Outstanding Educator Award-Higher Education. Jacque is recognized for her excellence in teaching at University of Portland, and for a variety of programs she has pioneered there to reach out to the local K-12 community.

Cara Benfield, Adam Kirsch, and Shari Read each received an OAS 2018 Outstanding Educator Award, K-12. Cara is recognized for her excellence as a life science teacher at Amity High School, Shari for her excellence as a biology teacher at Silverton High School, and Adam for his excellence in STEM education at Crescent Valley High School in Corvallis, OR.

Seeking Nominations! 2019 OAS Awards

The OAS seeks nominations for the following awards. Nominations may be made by any member of the Academy. Award presentations will be made at the Annual Meeting. The nomination deadline is Monday December 15, 2018.

2018 Outstanding Oregon Scientist Award

Nominees should have made significant contributions to basic or applied research in the natural, physical, or social sciences. Nominees must have been Oregon residents during the time that they made their distinguished contributions. The letter of nomination should include a brief discussion of the nominee's accomplishments, along with supporting letters and documents.

2018 Outstanding Educator - Higher Education

Nominees for this award should have a demonstrated record of outstanding teaching in any of the subject areas encompassed by the Academy. Letters of nomination should clearly describe the unique contributions made by the candidate to teaching excellence in higher education science and/or mathematics classrooms.

2018 Outstanding Educator - K-12

This award is to recognize outstanding teaching in science or mathematics at the K-12 level. Nominees should have a demonstrated record of outstanding teaching in any of the subject areas encompassed by the Academy. Letters of nomination should clearly describe the unique contributions made by the nominee to teaching excellence in science or mathematics in K-12 classrooms.

Submit two or more letters of nomination, nominee curriculum vita or resume and supporting materials to Andrew Baggett, abaggett@linfield.edu

Call for Nominations for High School Students + Teachers to Attend AJAS National Meeting

The Oregon Academy of Sciences invites Oregon secondary-school level student-teacher teams to submit a ~2 page document detailing a student-teacher collaborative research project. The document should describe the background and significance of the project, the findings and details of the project, information about how the project relates to broader societal scientific issues or challenges, and relevant references. Figures are encouraged. The OAS council will review the submissions and potentially choose to nominate a student/teacher team to attend the American Junior Academy of Sciences national meeting in Washington, DC, on **February 14-17, 2019**. Further details about conference attendance will be shared with nominees.

Please send the research report to abaggett@linfield.edu by **Nov. 23, 2018** to receive full consideration.

Oregon Academy of Science Officers and Council Members

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OAS Sections & Chairs

<u>Section</u>	<u>Chair</u>	<u>E-mail</u>
Biology	Position(s) Open	
Chemistry	Angela Hoffman, University of Portland	hoffman@up.edu
Economics	Position Open	
Geography	Position Open	
Geology	Scott Burns, Portland State University Jeff Myers, Western Oregon University	burnsS@pdx.edu myersj@wou.edu
Health Science and Kinesiology	Brad Cardinal, Oregon State University	brad.cardinal@oregonstate.edu
History/Philosophy/Soc. Science/ Environmental Ethics	Randall Smith, Portland State University	smithran@pdx.edu
Mathematics/Computer Science	Corban Harwood, George Fox University	rhawood@georgefox.edu
Physics	Scott Prah, Oregon Institute of Technology	scott.prah@oit.edu
Political Science	Position Open	
Psychology	Björn Bergström, Pacific University	bpb@pacific.edu
STEM Education	Dean Walton, University of Oregon	dpwalton@uoregon.edu
Sociology/Anthropology	Aaron Greer	aaron@pacificu.edu

Leadership Opportunity!

The OAS is seeking energetic individuals to Chair sections including **Biology**, **Economics**, **Geography**, and **Political Science** for the **upcoming 2019 meeting**. Please consider serving as a section Chair in your area of expertise. Contact OAS President Andrew Baggett abaggett@linfield.edu if you are interested or would like to set up a conversation with a former section Chair about the position and its responsibilities.