

**From:** Holly Ernest  
**Subject:** Tenure-Track position openings: Aquatic Ecosystem Ecologist, Biogeochemist, Computational Biologist, Plant-Microbe Interactions

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The University of Wyoming seeks to hire four tenure-track faculty members associated with the Program in Ecology.

1. Assistant professor with expertise in computational biology in the Department of Botany ([https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_www.uwyo.edu\\_botany&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxcqsYYY1Xs5ogLxWPA\\_2Wlc4&r=e2OJ1azRFn8ihzh2HxZT0AqoiqLvxfeeTyN59ZLoI&m=C0eWxx2e3f9G6uKnmbSzcZUsx29gxdTvXkFuMCCYY&s=UO\\_WcoxsZD8GAZTTT5S6IAIUoqz7dPxxqOtecv6M&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.uwyo.edu_botany&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihzh2HxZT0AqoiqLvxfeeTyN59ZLoI&m=C0eWxx2e3f9G6uKnmbSzcZUsx29gxdTvXkFuMCCYY&s=UO_WcoxsZD8GAZTTT5S6IAIUoqz7dPxxqOtecv6M&e=)). The successful candidate

is expected to build a strong research program that includes developing novel computational methods and tools for ecology, evolution, and genomics. Preferred qualifications include expertise in computational tools for genomics and sequencing technology, computational statistical modeling, mechanistic process modeling, and microbial biology. Review of applications will begin Nov. 6, 2017 (Job 9136).

2. Assistant professor with expertise in plant-microbe interactions in the Department of Molecular Biology ([https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_www.uwyo.edu\\_molecbio\\_&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxcqsYYY1Xs5ogLxWPA\\_2Wlc4&r=e2OJ1azRFn8ihzh2HxZT0AqoiqLvxfeeTyN59ZLoI&m=C0eWxx2e3f9G6uKnmbSzcZUsx29gxdTvXkFuMCCYY&s=THBSnjG9Sf4dMYsQ5j9-hnVzhmizq7LWong5Cq\\_8oqE&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.uwyo.edu_molecbio_&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihzh2HxZT0AqoiqLvxfeeTyN59ZLoI&m=C0eWxx2e3f9G6uKnmbSzcZUsx29gxdTvXkFuMCCYY&s=THBSnjG9Sf4dMYsQ5j9-hnVzhmizq7LWong5Cq_8oqE&e=)). We

particularly seek candidates whose research interests and expertise focus on the molecular basis of plant-microbe interactions, and who incorporate a variety of approaches such as genomics, genetics, molecular biology, biochemistry, cell biology, molecular ecology and evolution, computational biology, and high-throughput phenotype screening. Review of applications will begin Nov. 27, 2017 (Job 9142).

3. Assistant professor with expertise in biogeochemistry in the Department of Geology & Geophysics ([https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_www.uwyo.edu\\_geolgeophys\\_&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxcqsYYY1Xs5ogLxWPA\\_2Wlc4&r=e2OJ1azRFn8ihzh2HxZT0AqoiqLvxfeeTyN59ZLoI&m=C0eWxx2e3f9G6uKnmbSzcZUsx29gxdTvXkFuMCCYY&s=pF8Ds3uUiv7q3cBanLflb\\_sCPC6izsOjX68yHq\\_6zc&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.uwyo.edu_geolgeophys_&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihzh2HxZT0AqoiqLvxfeeTyN59ZLoI&m=C0eWxx2e3f9G6uKnmbSzcZUsx29gxdTvXkFuMCCYY&s=pF8Ds3uUiv7q3cBanLflb_sCPC6izsOjX68yHq_6zc&e=)). The successful

candidate is expected to build a strong research program in biogeochemical processes and analyses, and address questions spanning broad scales (e.g., from organisms, molecules, and minerals to landscapes and global dynamics). The research focus may range broadly including topics such as microbial processes, weathering, ecosystem stoichiometry, organic geochemistry, and global elemental cycles. Review of applications will begin Nov. 13, 2017 (Job 9150).

4. Assistant or associate professor with expertise in aquatic ecosystem ecology in the Department of Zoology and Physiology ([https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_www.uwyo.edu\\_zoology\\_&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxcqsYYY1Xs5ogLxWPA\\_2Wlc4&r=e2OJ1azRFn8ihzh2HxZT0AqoiqLvxfeeTyN59ZLoI&m=C0eWxx2e3f9G6uKnmbSzcZUsx29gxdTvXkFuMCCYY&s=GyYh0n9c702fz8FstsbXY9HDKIPDETqD3LXjRpopGXo&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.uwyo.edu_zoology_&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihzh2HxZT0AqoiqLvxfeeTyN59ZLoI&m=C0eWxx2e3f9G6uKnmbSzcZUsx29gxdTvXkFuMCCYY&s=GyYh0n9c702fz8FstsbXY9HDKIPDETqD3LXjRpopGXo&e=)). The successful candidate is expected to

develop a strong research program that integrates biological and chemical or physical processes to understand aquatic ecosystems. Candidates can have expertise in lotic or lentic systems and address questions from the population to ecosystem level, with biological interests ranging from elemental cycling to production, population dynamics, food webs, and global change. Review of applications will begin Nov. 13, 2017 (Job 9140).

In addition to departmental graduate programs and the interdisciplinary Program in Ecology, candidates may also participate in Ph.D. programs in Hydrologic Science, and Molecular and Cellular Life Sciences. The cluster hire is supported in part by a new 5-year, \$20 million NSF EPSCoR RII Track-1 grant to the University. In this project we will study microbial life and its ecological consequences. Faculty hired in these searches will benefit from the project's infrastructure and scientific outcomes and will contribute to the project's institutional capacity building in the candidates' areas of expertise. Additional details and links to the application process are available ([https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_www.uwyo.edu\\_epscor\\_microbial-2Decology\\_facsearches.html&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxcqsYYY1Xs5ogLxWPA\\_2Wlc4&r=e2OJ1azRFn8ihzh2HxZT0AqoiqLvxfeeTyN59ZLoI&m=C0eWxx2e3f9G6uKnmbSzcZUsx29gxdTvXkFuMCCYY&s=WxngnElx3aKX9OY9DkiFSzfmYsxC0ZE1rcb7W4WCrQ&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.uwyo.edu_epscor_microbial-2Decology_facsearches.html&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihzh2HxZT0AqoiqLvxfeeTyN59ZLoI&m=C0eWxx2e3f9G6uKnmbSzcZUsx29gxdTvXkFuMCCYY&s=WxngnElx3aKX9OY9DkiFSzfmYsxC0ZE1rcb7W4WCrQ&e=)).

The University of Wyoming invites diverse applicants to consider our employment opportunities. We are also especially interested in candidates who have experience working with diverse populations, initiatives, or both.