

Assistant Professor of Biodiversity Data Science  
University of British Columbia

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Posted Oct. 26, 2020, expired Feb. 21, 2021

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| <b>Job Title</b>            | Assistant Professor of Biodiversity Data Science   |
| <b>Department</b>           | Department of Zoology<br><a href="https://www.zoology.ubc.ca/">https://www.zoology.ubc.ca/</a>   |
| <b>Institution</b>          | University of British Columbia<br>Vancouver,   |
| <b>Date Posted</b>          | Oct. 26, 2020  |
| <b>Application Deadline</b> | until position filled  |
| <b>Position Start Date</b>  | Jul. 1, 2021   |
| <b>Job Categories</b>       | Assistant Professor  |
| <b>Academic Field(s)</b>    | Natural Sciences<br>Environmental Sciences/Ecology/Forestry<br>Botany/Plant Sciences<br>Biology - Biostatistics<br>Biology - Genetics<br>Biology - General |
| <b>Job Website</b>          | <a href="https://www.zoology.ubc.ca/about/jobs">https://www.zoology.ubc.ca/about/jobs</a>  |
| <b>Apply Online Here</b>    | <a href="https://academicjobsonline.org/ajo/jobs/17215">https://academicjobsonline.org/ajo/jobs/17215</a>  |
| <b>Apply By Email</b>       |  |

**Job Description**

The University of British Columbia in Vancouver, British Columbia seeks applicants for five tenure-track positions at the level of Assistant Professor in the thematic area of restoring and protecting global biodiversity. The Faculty of Science, together with the Faculties of Arts, Forestry, and Land and Food Systems is sponsoring this unique cluster hire, which builds on existing excellence in this area at UBC. These new hires will join an existing interdisciplinary research and scholarship faculty team focused on

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solutions-oriented approaches to biodiversity loss and its connection to sustainability and adaptive capacity for humanity. For further information see <https://biodiversity.ubc.ca/cluster-hire>.

As one of the five positions, we seek a Biodiversity Data Scientist to be jointly appointed in the Departments of Botany and Zoology, with opportunities for strong interactions with UBC's Beaty Biodiversity Museum and Biodiversity Research Centre. Applicants must have completed their Ph.D. degree by June, 2021, show evidence of potential to develop a strong research program, and contributions to teaching and training at graduate and undergraduate levels. In evaluating candidates, we may also consider contributions to leadership, community service or engagement, and social or policy impacts of the candidate's work.

The Biodiversity Data Scientist will conduct research tackling current challenges in using and integrating disparate data streams to promote major advances in biodiversity monitoring and conservation. Relevant data streams are accumulating rapidly, including remote sensing (e.g., GPS telemetry, camera traps, audio recordings, satellite and aerial imagery), environmental DNA, citizen-science data, and the physical and digital databases of natural history collections, along with methodological advances such as machine learning. We seek a scholar who harnesses such data and methods, and applies them to conservation problems locally or globally. We welcome applications from scholars who use their analyses for programs and platforms that educate, inspire or engage citizens, stakeholders or decision-makers, or that guide choices in biodiversity conservation within their social context. The candidate's expertise may be in evolutionary biology, ecology (including statistical, computational, and applied ecology), environmental sciences, or related disciplines.

The successful candidate will be expected to develop an independent research program and contribute to undergraduate and graduate teaching and training, and academic service in their departments. They will also work collaboratively with other members of the Biodiversity Solutions team to develop approaches to solving social-ecological challenges related to biodiversity conservation. Applicants should have a strong interest in conducting collaborative, interdisciplinary work, as demonstrated through existing or proposed research, teaching, leadership, service, community engagement, outreach, contributions to diversity, equity and inclusion, or other relevant activities.

Applicants should submit to <https://academicjobsonline.org/ajo/jobs/17215> :

1. Cover letter (up to 2 pages) that summarizes briefly a. How your expertise, scholarship and planned research will advance the research vision of the Biodiversity Solutions Cluster, b. How you have demonstrated a strong interest or experience in conducting collaborative, interdisciplinary work, c. How you have displayed leadership, for example through existing or proposed research, teaching, service, community engagement, outreach, outreach, contributions to equity, diversity and inclusion, or other

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2. Curriculum vitae

3. Statement (up to 2 pages) describing your current and proposed research program, and showing how your work does or will connect to understanding of biodiversity or solutions to biodiversity crises.

4. Statement (up to 1 page) of teaching interests and accomplishments, addressing how you will teach core undergraduate courses in the UBC Biology program run by the Departments of Botany and Zoology.

5. Statement (up to 1 page) identifying your past contributions to equity, diversity and inclusion, along with your ability to work with a culturally diverse student body (giving specific examples where possible); as well as your philosophy of and potential future contributions to equity, diversity and inclusion

6. Up to 3 representative publications

7. Candidates should arrange for three referees to submit letters using Academic Jobs Online.

Equity, inclusivity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We particularly encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Métis, Inuit, or Indigenous person.

To see a detailed job description please go to <https://www.zoology.ubc.ca/about/jobs>

Applicants will be asked to complete an equity survey. The survey information will not be used to determine eligibility for employment, but will be collated to provide data that can assist us in understanding the diversity of our applicant pool and identifying potential barriers to the employment of designated equity group members. Your participation in the survey is voluntary and confidential. This survey takes only a minute to complete. You may self-identify in one or more of the designated equity groups. You may also decline to identify in any or all of the questions by choosing "not disclosed." All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. Review of applications will begin mid-November 2020 and continue until the position is filled.

### **EEO/AA Policy**

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**Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact**      Edythe Grant  
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