

Job description for student assistants

Both UBC campuses and the David Hardwick Pathology Museum are working on an Open Education Pathology e-textbook and accompanying instructor and student study resources. These materials will be housed on Pressbooks with interactions with H5P . This project is funded by a UBCV 2022-2023 UBCV Open Education Implementation grant as well as the UBCO CTIG and ALT2040 grants. These undergraduate education resources will ensure that free, high-quality, easily accessible course resources are available for Pathophysiology students. Students hired for this project will assist with the creation of the Pathology e-textbook, as well as student and instructor resources all of which will include **background human anatomy and physiology content. We are currently looking for students to assist with the development of the following aspects of this project:**

- a) **Inclusive Language Guides** to promote a culture of equity, diversity and inclusivity in Health Care
- b) **Knowledge Spotlights:** each of which will be one short summative paragraph with an illustration to honour knowledge contributions to the field by traditionally marginalized and neglected people in STEM including IBPOC, women, and members of the LGBTQS+ community. Spotlights are short paragraphs that highlight a contributor or a historical people's work alongside either a photo of the contributor, or an image of their field of study or contribution. See <https://scientistspotlights.org/> for format.
- c) **3D rotatable virtual anatomical structures** for use as figures as well as within some of the following:
- d) **Student and Instructor Resources:** including the interactive practice questions, 3D labelling activities, clickable flashcards (Vocabulary, picture and disease chart) flashcards, eCase Studies, video clips, animations, audio-glossaries, lesson plans as well as hands-on and demo activities.

We welcome interested students to apply for any of the applicable positions listed below. Some positions have a start date of May/June 2022 and a finish date of Aug 2022; and other positions have a start date of Sept. 2022 with an end date of Dec. 2022 or Apr. 2023. All of these positions do have the possibility of an extension.

Work is to be done with supervision from UBCO Biology faculty member, Zoë Soon (ZS) and guidance from the UBCO Centre for Teaching and Learning (CTL), UBCO and UBCV librarians, and/or UBC studio services (where indicated). There is also a possibility of working as part of a larger team including students at UBCV.

Student assistants will meet with project supervisor Biology Faculty member ZS once every week with a full team meeting every month or as needed.

Interested applicants may apply for more than one position if they feel they are qualified.

*Please view the pressbook pilot OER *Pathology: from the tissue level to clinical manifestations and inter-professional care* by Jennifer Kong & Helen Dyck can be accessed at <https://pressbooks.bccampus.ca/pathology/> password "DHPLC"

UBCO Student Job Postings:

Undergrad Assistant for 3D Virtual Anatomy Creation: (each position: approx. 280hr x \$15.65/h+14% benefits, up to \$5,000 total) May - Aug. 2022. Assisted and supervised by ZS.

Roles:

- At times students will work independently though there will be team work as well.
- One student will create 3D rotatable virtual images with the assistance of UBC Studios Okanagan using 3D Photogrammetry at UBCO Studios Okanagan (COM building, UBCO campus).
- The second student will work in collaboration with UBCO STAR personnel in creating 3D images using 3D scanning <https://www.youtube.com/watch?v=sn0MHjE4p5U> at UBCO STAR (EME building, UBCO campus).
- More information: <https://www.youtube.com/watch?v=q55N0zZoLMA>
- Once each 3D image is perfected, students will then create both Unlabelled and Labelled versions of each 3D virtual image created using Sketchfab <https://sketchfab.com/>
- Students will then embed each 3D image file into the Pressbook Media Library with appropriate Figure Legends
- Students will then evaluate all finished 3D image files providing written/verbal feedback. Feedback will be presented on the value and usability of the 3D images from student perspective with future recommendations
- Please refer to <https://open.ubc.ca/creating-open-educational-resources-oer/> for an overview of Open Ed and your role as a contributor to an Open Ed resource.

Qualifications:

Ideal candidates must be familiar with basic computer skills and a quick learner of basic web-based functions on Sketchfab, Pressbook & H5P (with training from ZS and UBC librarians). Due to the nature of publishing, attention to consistency and detail while editing is essential. Candidates studying either human biology or graphic design are preferred. Time management skills are required.

Undergrad Assistant for Science History Writing: (approx. 280hr x \$15.65/h+14% benefits, up to \$5,000 total) May/June - Aug. 2022 or Sept. 2022 – Apr. 2023. Assisted and supervised by ZS.

Roles:

- Creation of Knowledge Discovery and Scientist Spotlights that highlight contributions to the fields of human pathology by traditionally marginalized and neglected peoples including IBPOC, women, and members of the LBTQS+ community. See <https://scientistspotlights.org/> for format.
- Assistance will be provided by UBC librarians as well as CTL Education Specialists
- Please refer to <https://open.ubc.ca/creating-open-educational-resources-oer/> for an overview of Open Ed and your role as a contributor to an Open Ed resource.

Qualifications:

The ideal candidate enjoys reading about the history of human disease and discoveries that have shed light on various facets of disease. The candidate should be good at writing summary paragraphs and working with librarians. Basic computer skills is an asset (with training from ZS and UBC librarians). Due to the nature of publishing, attention to detail and proper referencing while editing is essential. A candidate studying human biology with good time management skills is preferred.

Undergrad Assistant for creation of digital educational resources: (each position is approx. 280hr x \$15.65/h+14% benefits, up to \$5,000 total) Sept. 2022 – Apr. 2023. Assisted and supervised by ZS.

Roles:

- Students will create Pressbook embedded click-reveal Disease Chart, Picture, and Word Flashcards. Creation of content (e.g. for all 11 organ system including word list and details) will be assisted by ZS.
- Students will use the existing style guide created by UBC Librarians, for Pressbook content to ensure consistency in appearance, organization, glossary, etc. (guidance from chapter authors and UBC librarians)
- Students will use <https://open.ubc.ca/oer-accessibility-toolkit/> when making edits and ensuring consistency (guidance from UBC librarians)
- Please refer to <https://open.ubc.ca/creating-open-educational-resources-oer/> for an overview of Open Ed and your role as a contributor to an Open Ed resource.
- use <https://open.ubc.ca/oer-accessibility-toolkit/> when making edits and ensuring consistency (guidance from UBC librarians)

Qualifications:

The ideal candidates should enjoy reading, writing, and researching various facets of anatomy, physiology and disease. Candidates should enjoy working with others and have good time management abilities. Basic computer skills and being a quick learner of basic web-based functions on Pressbook & H5P is an asset (with training from ZS and UBC librarians). Due to the nature of publishing, short-concise writing, and attention to detail with proper referencing while editing is essential. Candidates studying human biology are preferred.

Student Volunteer Helper in Anatomy, Physiology, Pathophysiology: (each position is approx. 10-20hr and lasts for 2-3 weeks; extensions are possible if desired) Sept. 2022 – Apr. 2023. Assisted and supervised by ZS.

Roles:

- Students will assist in running the Human Anatomy, Physiology, and Pathophysiology Teaching and Learning Centre.
- Students will create, write up, and demonstrate hands-on activities in order help to teach undergraduate students various aspects of human anatomy, physiology and pathophysiology with the assistance of ZS.
- Students will use the existing style guide created by UBC Librarians, for Pressbook content to ensure consistency in appearance, organization, glossary, etc. (guidance from chapter authors and UBC librarians)
- Students will use <https://open.ubc.ca/oer-accessibility-toolkit/> when making edits and ensuring consistency (guidance from UBC librarians)
- Students will help to create close captioning when producing any new videos by using Kaltura and conversion to .vtt files for upload into H5P on Pressbooks.
- Please refer to <https://open.ubc.ca/creating-open-educational-resources-oer/> for an overview of Open Ed and your role as a contributor to an Open Ed resource.

Qualifications:

The ideal candidates should enjoy both hands-on and virtual activities in anatomy, physiology and disease as well as have an interest in developing their own teaching and learning abilities. Candidates should enjoy working with others and have good time management abilities. Candidates studying human biology are preferred.