



To Whom It May Concern:

Lucy McCroskey has proven to be a successful participant for the remote internship program at St. George's University within the Center for BioMedical Visualization. Lucy has shown maturity, self-motivation and confidence when dealing with clients, during critiques with her respective mentors and through her production projects. She had 6 mentors that guided her through 4 challenging projects, with myself as supervisor for each. These projects aided lecture presentations within the department of Biology, Ecology and Conservation for the courses "Cell and Developmental Biology (BIOL344)", "General Biology (BIOL220)" and "Conservation and the Environment (BIOL217)". The professors were grateful and satisfied with what she produced and will continue using her work in future lectures and coursework. Lucy was able to delve into ZBrush with the lead of our director, Charles Wes Price, where he taught a solid beginner foundation.

She produced the following projects over the course of 16 weeks:

- 2D scientific poster comparing the species *Rattus Rattus* and *Rattus Norvegicus*
- 2D illustrations for various cell and developmental biology lectures
- 2D illustrations of Common Octopus anatomy
- 2D animation on Habitat Fragmentation as it relates to the Grenada Dove

Due to Lucy having multiple mentors, they each had a sentiment to express:

"Working with Lucy was a great experience. I was fascinated by her approach to create illustrations, focusing very much in detail and getting a good tonal base image before completing it into a final colourful and sharp illustration. I am sure she will keep learning and improving in her path as a scientific illustrator". Claudia Cárceles Román

"Lucy is a very talented and accomplished illustrator. Her rendering skills and eye for detail are fantastic, and her pursuit of perfection is commendable. She shows a professional demeanour and attitude always striving for quality and a striking look. Her work could take on a more scientific approach by using research as a tool to create her own version of a subject, and not be limited to illustrate straight from a photograph. I am confident this will come with more experience. Her artwork is very much appreciated as it will greatly benefit students and general public alike". Lucia Garces Torres

"Lucy has a general understanding and mastery of artistic concepts. Her strengths are speed, communication, and decisiveness. Lucy can improve on being adaptive and learning new techniques. Constructive criticism will propel her forward in this field. I know Lucy will be successful throughout her career if she works to improve her weaknesses and continues to polish her strengths". Brandon Holt





"It was a pleasure to work with Lucy and watch her skills grow over the course of the internship. She showed willingness to work in new mediums such as 3D sculpting in Zbrush, and 2D animation in After Effects. While managing a busy schedule, Lucy was able to consistently deliver projects and attend weekly meetings with a positive attitude. She is a very talented illustrator with an eye for detail and I know she will be a strong addition to any team".

Jack Nelson

"What first struck me about Lucy was her ambition. With each project she has been given she has gone beyond what I was expecting, and has worked hard to fulfill the goals and needs of the client. I appreciate her enthusiasm and willingness to make each project the best it can be. She will definitely be one to watch in the future". Sue Simon

"Lucy created several portfolio pieces that makes us proud. Not only did she inspire her intern peers with her advanced digital painting and illustration skills, Lucy went above and beyond to help me teach this year. She drove over two hours to serve as an in-person Teaching Assistant for my ZBrush for Science Illustration course at the University of Georgia, while I taught the course from Grenada over Zoom. I really appreciate her dedication to the profession of science illustration." Charles Wes Price

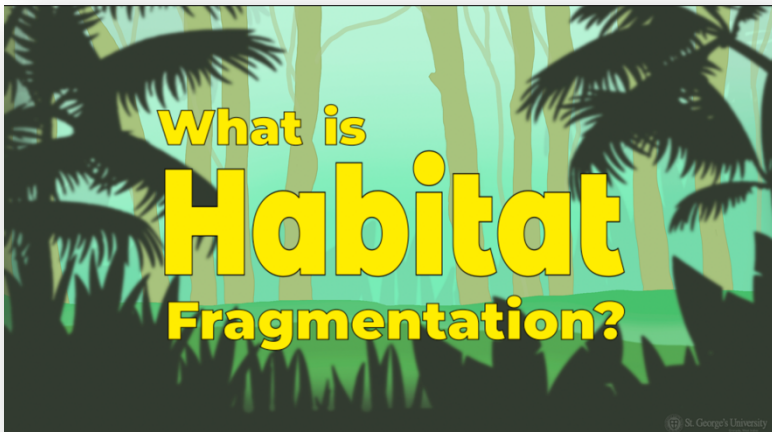
It was an honour to host Lucy in our Remote Internship program this semester. While it has been an interesting year with new challenges, transitioning to an online environment has been exciting and a great learning experience for all. She is constantly seeking to advance herself in this field and remains determined and steadfast in her pursuit of always improving her skillset. I am grateful we could help foster her growth in this remarkable field. We wish Lucy all the best in her future endeavours.

Best wishes,

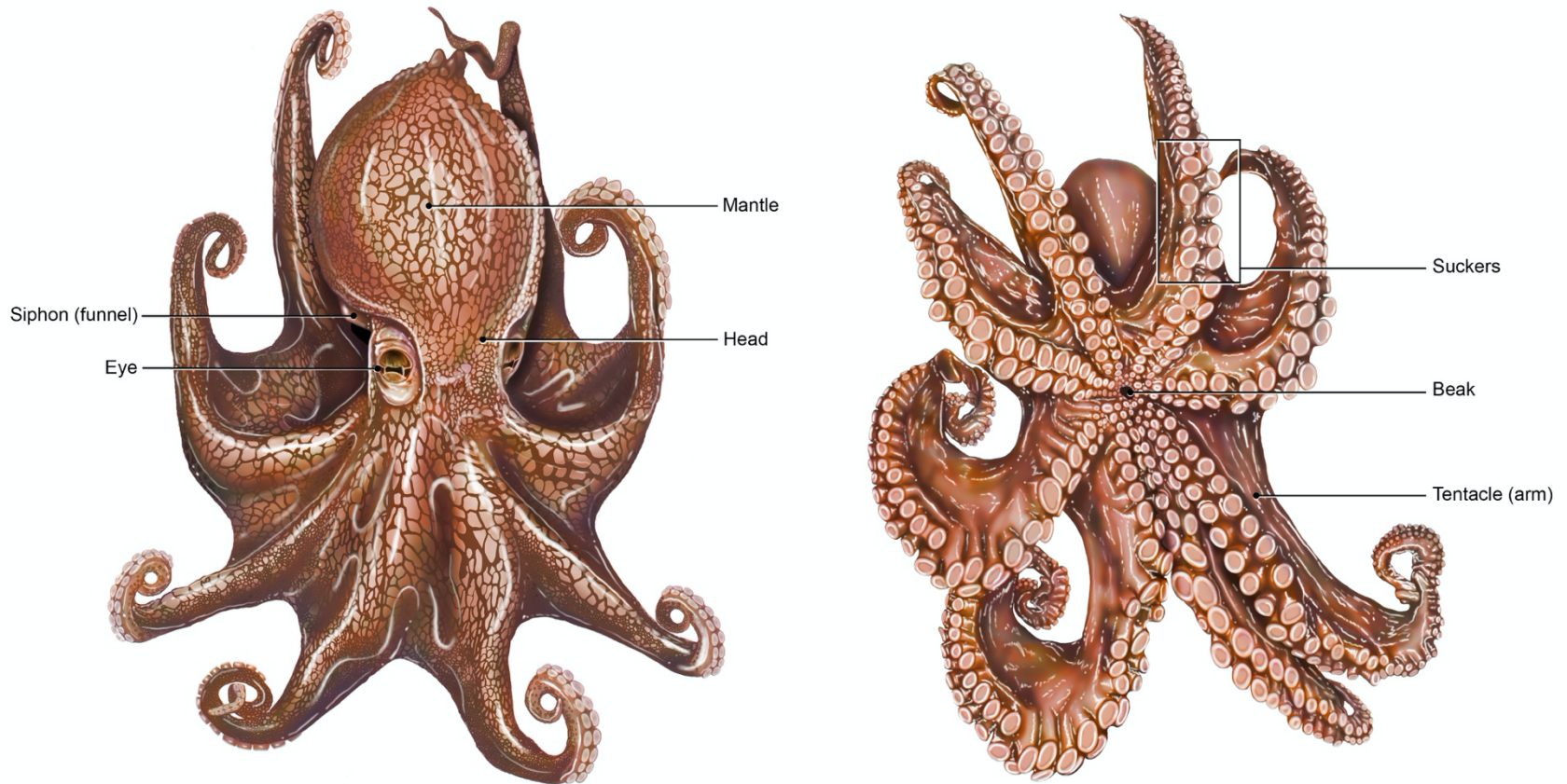
Fariyah Khan

Internship coordinator

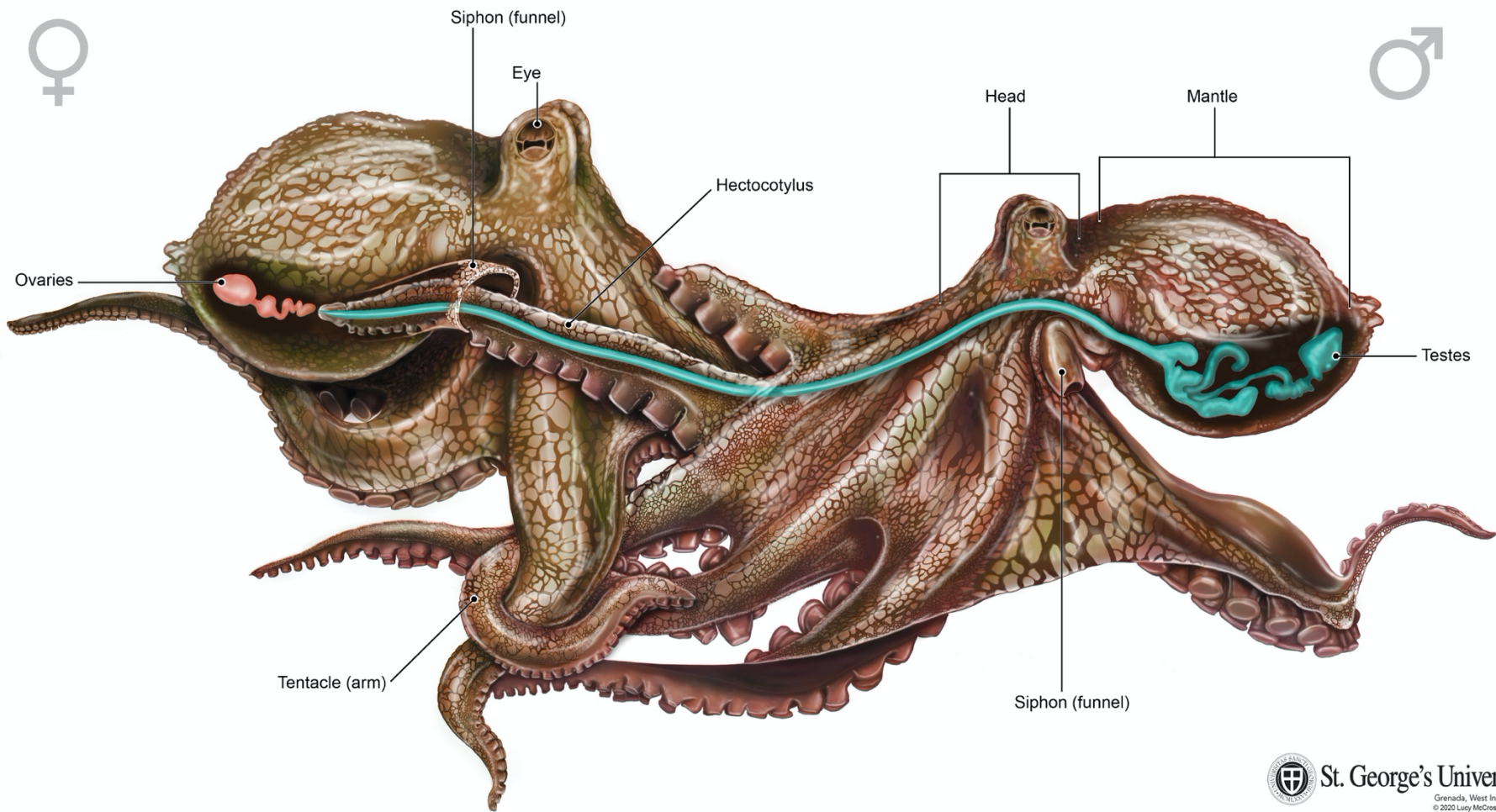




Screenshots capturing scenes from the 2D Habitat Fragmentation animation



2D Illustrations of Common Octopus anatomy: ventral and dorsal view



2D Illustrations of Common Octopus anatomy: mating

Rattus rattus & *Rattus norvegicus*

Black "Roof" Rat
Rattus rattus



Roof Rats have short, soft hair and a slender build. They have round eyes, large ears and a pointed snout. Their tail length exceeds their body length



Omnivorous mammals; diet of fruits, grains, and eggs

Commonly found in the tropics, prefers urban areas

They are prolific breeders, producing several litters throughout the year

Each litter consists of 8 young

Females reach sexual maturity around 2-4 months



Brown "Norway" Rat
Rattus norvegicus



Norway Rats have long, coarse hair, a heavy build, small ears and eyes, and slanted snouts. Their tail is shorter than their body length



Omnivorous mammals; meat-heavy diet from fish, mice, birds, eggs, and lizards

The Norway rat is efficient at catching fish and prefers burrowing outdoors

They are prolific breeders, producing several litters throughout the year

Each litter consists of 2-22 young

Females reach sexual maturity at 2-3 months



Collaboration with Ashley Mastin: Scientific poster comparing the two rat species found in Grenada, W.I.

Briggs and King: Nuclear Transplant Experiment (1952)

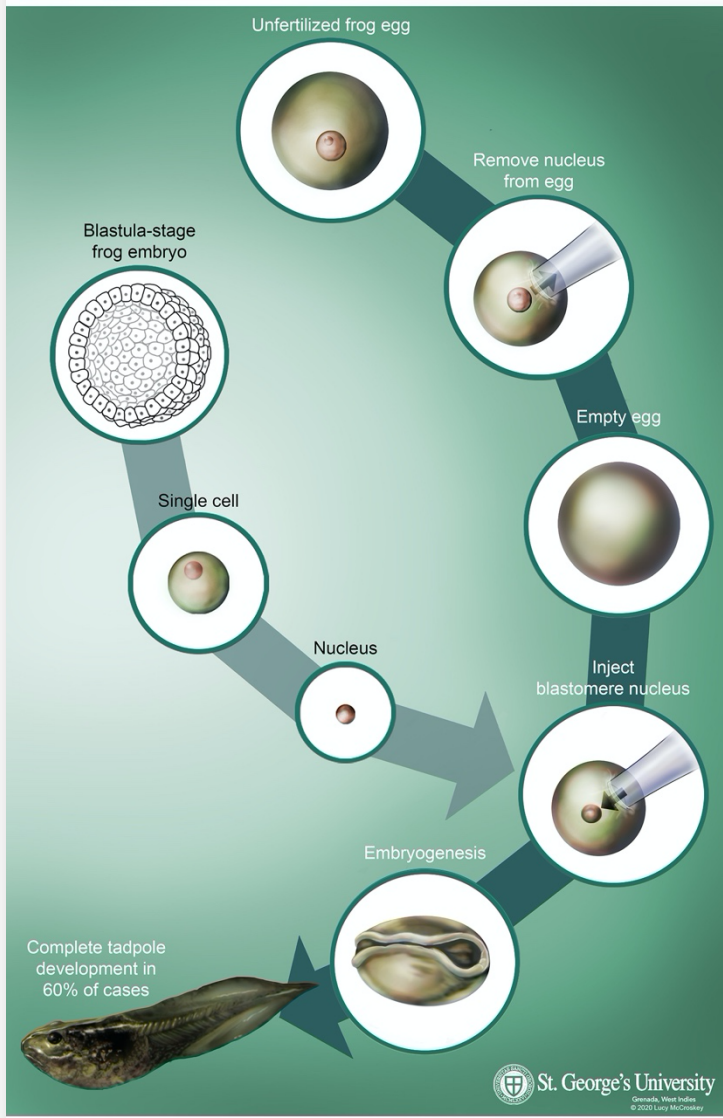
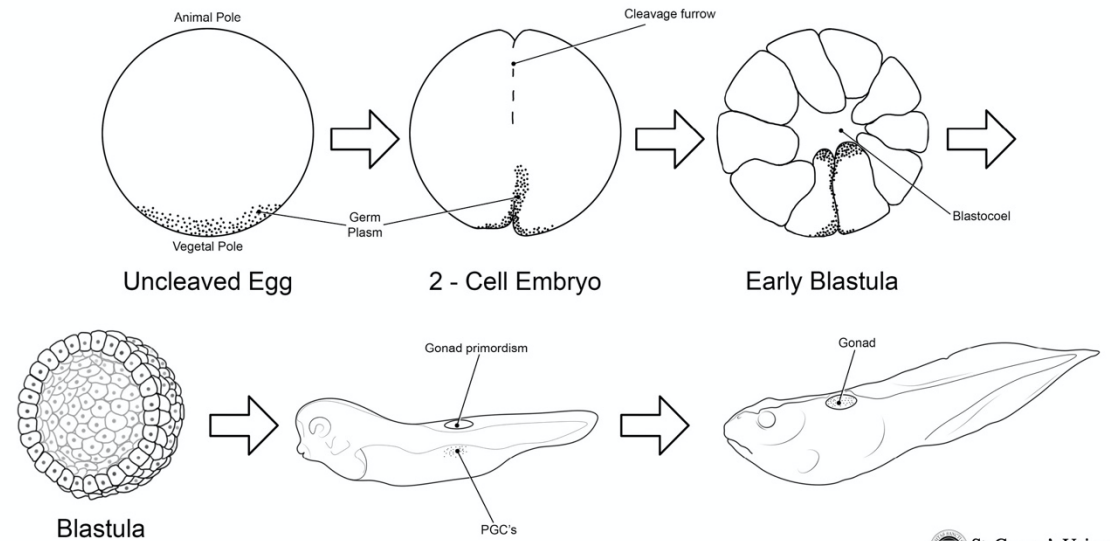


Illustration of Pit1 protein binding to DNA



St. George's University
Grenada, West Indies
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Illustration of germ plasm movement in amphibian embryo



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2D Illustrations for cell and developmental biology