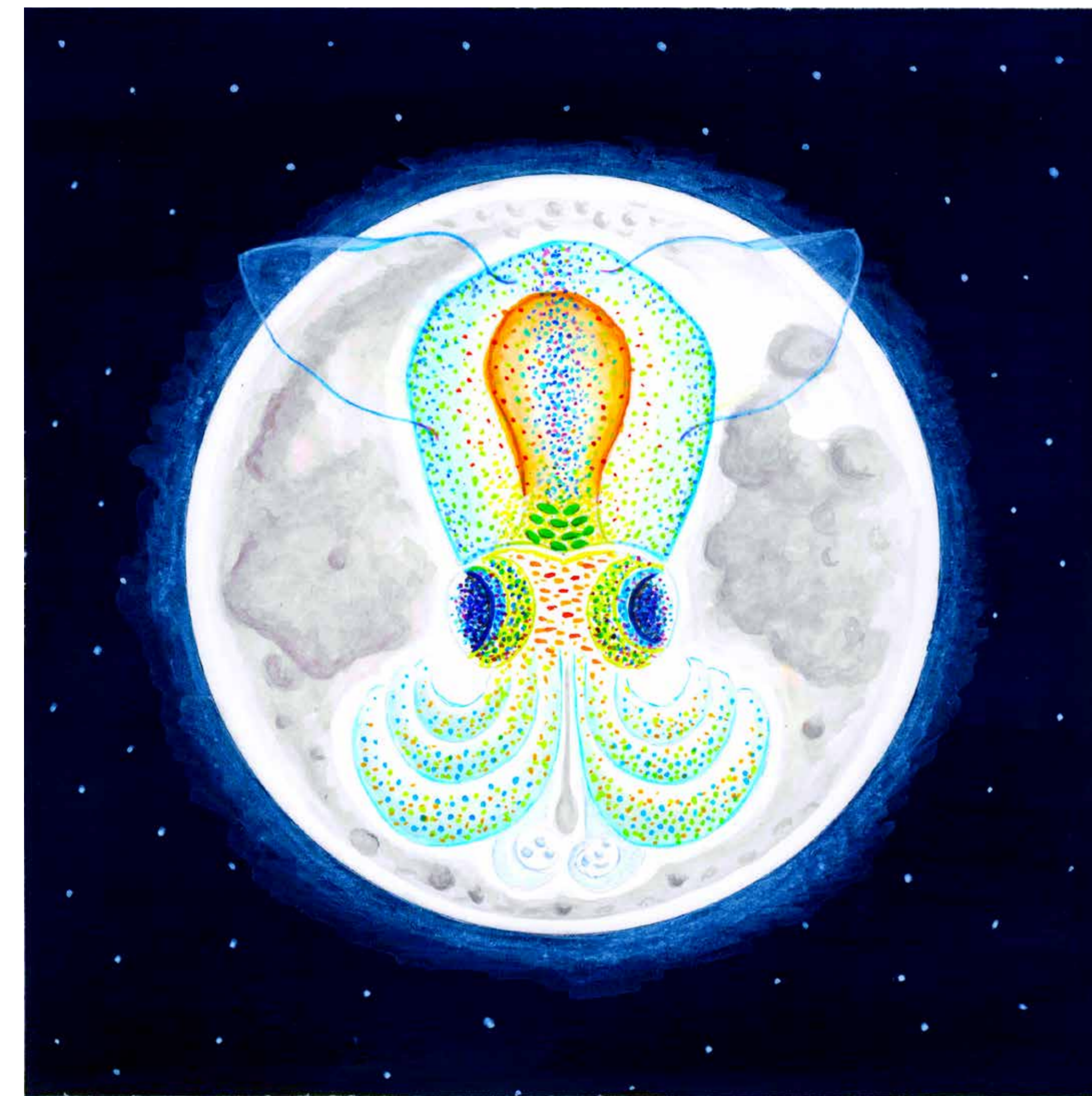


DAY 1: Monday, April 29th, 2024 - Symposium talks

Debbie and Justin Wragg-Schmidt ZGSA Spring Symposium 2024



Career talk
Judith Myers
Professor Emerita
Ecology
UBC Zoology

Plenary talk
Michele Nishiguchi
Professor
Cell and Molecular Biology
UC-Merced



BIOLOGICAL SCIENCES BUILDING (BIOSCI) 1000 - 6270 University Boulevard

AM 08:45 • Coffee and pastries - BYOM

| | | SPEAKERS | AFFILIATION | TITLE |
|-------|-----------------|-----------------------|------------------|---|
| 09:15 | Opening remarks | ZGSA | | |
| 09:25 | Plenary talk | Michele Nishiguchi | UC-Merced | Navigating the road map between ecological and evolutionary boundaries in a squid-bacterial mutualism |
| 10:25 | 3 mins thesis | Haocun Ye | Wei | Arms race between transposable elements and <i>Zelda</i> |
| 10:28 | 3 mins thesis | Keila Stark | O'Connor | Temperature effects on density-dependent dispersal in experimental protist metacommunities |
| 10:31 | 3 mins thesis | Michaela Honig | Milsom | Effects of postnatal development, temperature, the pons, and glycine/GABA on respiratory rhythm and pattern generation in neonatal mammals |
| 10:35 | Break - BYOM | | | |
| 10:50 | Student talk | Pei-Hsuan (Shelly) Wu | BMatthews/Leitch | The neurobiology of visually-guided ambush behaviour in South American horned frog |
| 11:02 | Student talk | Nathan Lewis | Benson-Amram | Exploring the coyote attacks of Stanley Park |
| 11:14 | Student talk | Carley Winter | Schulte/Wood | Road salt creating a slippery slope for Pacific salmon: unraveling the impact of road salt on the development and physiology of coho salmon (<i>Oncorhynchus kisutch</i>) |
| 11:26 | Student talk | Sophie Roth | Auld | Using FRET sensors to measure focal adhesion protein tension in <i>Drosophila</i> peripheral glia |
| 11:38 | 3 mins thesis | Sophia Fan | Tseng | Socioecological factors affecting plant-pollinator systems in Metro Vancouver's urban gardens |
| 11:41 | 3 mins thesis | Natalie Rivlin | Harley | Native and invasive species's ability to buffer ecological communities from atmospheric heatwaves |
| 11:44 | 3 mins thesis | Bryn Wiley | Otto | Imbalanced nuclear ratios in dikaryotic fungi - theoretical predictions |
| 11:47 | Student talk | Jolan Thierault | Altshuler | The optomotor response of hovering hummingbirds to large field visual stimuli |

BIOLOGICAL SCIENCES BUILDING COURTYARD - 6270 University Boulevard

PM 12:00 • Lunch

BIOLOGICAL SCIENCES BUILDING (BIOSCI) 1000 - 6270 University Boulevard

| | | SPEAKERS | AFFILIATION | TITLE |
|-------|-------------------------|--|-------------------|---|
| 01:00 | Student talk | Jennifer Green | Gaynor | Anthropogenic impacts on black bear spatiotemporal patterns in Yosemite National Park, CA, USA |
| 01:12 | Student talk | Sasha McDowell | Gordon | Modulation of attractive salt taste in <i>Drosophila</i> |
| 01:24 | Student talk | Regine Manglicmot | Leander | Diversity of <i>Acoela</i> : the other half of bilateria |
| 01:36 | Student talk | Evan McKenzie | PMatthews | The world's deepest freely diving insect (<i>Chaoborus edulis</i>) resists extreme hydrostatic pressure in Lake Malawi |
| 01:48 | Student talk | Josh Yang | Richards/Marshall | Drivers of post-freezing metabolism in the intertidal mussel, <i>Mytilus trossulus</i> |
| 02:00 | Student talk | Duncan MacNaughton | Kremen | The effect of habitat loss due to agricultural expansion on pollinator communities in British Columbia's at-risk shrubsteppe ecosystem |
| 02:12 | PPT roulette | Michelle Tseng, Doug Altshuler, Vanessa Auld, Dolph Schluter | | |
| 02:30 | Break - BYOM | | | |
| 02:45 | 3 mins thesis | Nathaniel Moyes | Marshall | Bioprospecting BC's intertidal for novel ice binding proteins |
| 02:48 | 3 mins thesis | Caleigh Charlebois | Irwin | Transposable element diversity in the greenish warbler ring species |
| 02:51 | 3 mins thesis | Jenna Melanson | Kremen | The impacts of agricultural management and <i>Bombus impatiens</i> introduction on bumble bee parasite prevalence |
| 02:54 | Student talk | Niki Love | Otto | Optimizing wildlife management decisions in a dynamic food web |
| 03:06 | Student talk | Yuying Lin | Mank | Early stage of sex chromosome evolution in <i>Poecilia wingei</i> |
| 03:18 | Set-up elevator pitches | | | |
| 03:23 | Elevator talk | Natalie Westwood | Srivastava | Untangling the treehole food web |
| 03:24 | Elevator talk | Viktorija Juciute | Sugioka | Investigating the role of cortical flow in Wnt-dependent asymmetric cell division |
| 03:25 | Elevator talk | Nick Wright | Gaynor | Exploring the ecological effects of African wild dog reintroduction |
| 03:26 | Elevator talk | Clare Kilgour | Schulte/Wood | The scale of road salt contamination in urban freshwater streams of Vancouver's Lower Mainland: effects of repeated salt pulses on developing coho salmon (<i>Oncorhynchus kisutch</i>) |
| 03:27 | Elevator talk | Finola Fogarty | Irwin | Similar feathers, different species? |
| 03:28 | Career Talk | Judith Myers | UBC | The only woman in the room: my life's journey in population ecology |

BIODIVERSITY RESEARCH CENTER, 2212 Main Mall

04:00 • Poster Session and Social Event

| POSTERS BY | AFFILIATION |
|------------------------|-------------|
| Ankita Chauhan | Wei |
| Sean Edgerton | Otto |
| Gopal Khanal | Gaynor |
| Asad Hasan | Whitlock |
| Claudie Pageau | Irwin |
| Bing Liu | Richards |
| Mohammadjavad Meghrazi | Otto |
| Jess Kowalski | Germain |
| Andrew Snow | Mizumoto |

Graduate Student Appreciation Night

GALLERY - PATIO AND LOUNGE, AMSThe Nest level 4, 6133 University Boulevard:
06:00 pm - 9:00 pm • Graduate Student Appreciation Night

