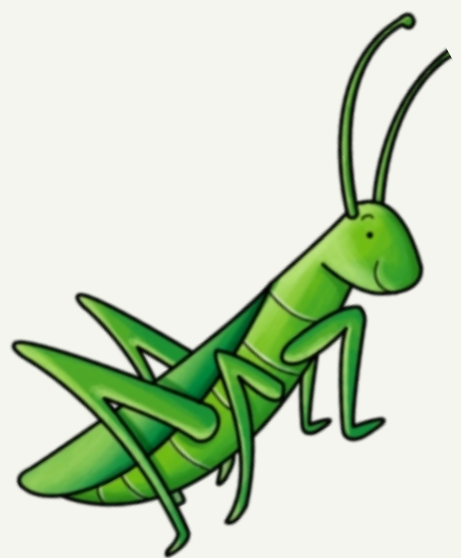


BIEN 200 Symposium

November 24th
MacDonald room 280



1:05-1:20

**Power of sound:
resonating devices for
information transfer**

*Henry Stephenson, Zachary
Flynn, Syphax Ramdani, and
Archinlin Wang*

1:21-1:35

**The mechanical properties
of the pincer, an
evolutionary wonder**

*Claire Levasseur, Maxim
Petkun, Alain Peng Zheng, and
Emilia Bridgeman*

1:36-1:51

**A mechanical and
chemical look into the
“bizarre” jaws of the
animal kingdom**

*Michelle Levy, Joseph Marsilio,
Irene Simier, and Riwa Itani*

1:52-2:07

**How does nature design
the turtle carapace**

*Elisabeth Lawton, Emma
Geoffroy, Osandi Hewage, and
Yitao Sun*

2:08-2:23

**Horns: a mechanical
structure that is
chemically sound**

*Toufic Jrab, Lily Trestan, Victor
Novakov, and Rachel Jung*



November 25th
MacDonald room 276



1:36-1:51

**The hormone dependent
regenerative basis of antlers**

*Laurianne Daoust, Annabelle
Huyng-Rondeau, Erica Song,
and Félix Lavoie*

1:52-2:07

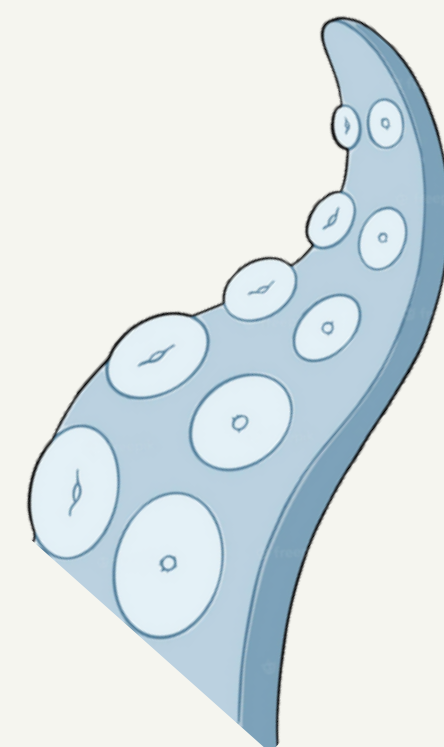
How shark scales reduce drag
*Rus Trana, Ève Barrette-Vanasse,
Jun Xiao, and Anne-Frederic
Laurin*



2:08-2:23

**Adaptations of marine
suction cups**

*Juan Manuel Rocha Angel,
Mika Chang, Emily Martin,
and Toky Raharison
Ralambomihanta*



BIEN 200 Symposium

November 29th
MacDonald room 280

1:05-1:20

Wondrous explorations of the claw : attack mechanisms and flight evolution paleontology

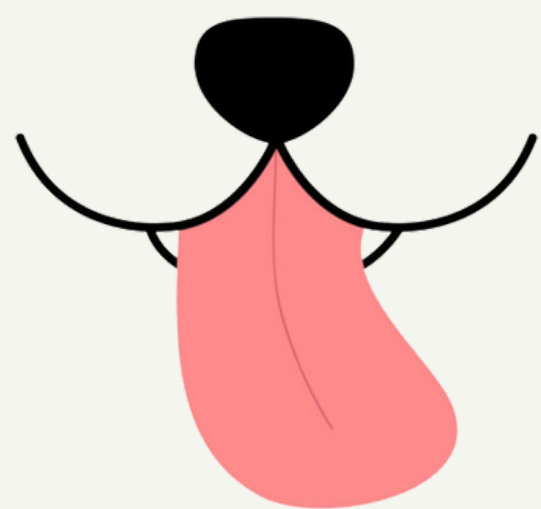
Liela Andringa, Oscar Cruz, Alan Fu, and Alex Jung



1:21-1:35

The biomechanics behind animal tongues

Marc Srour, Sophie Allard, and Shunyuan Xiao



1:36-1:51

Physical and chemical models in molluscan shell biomineralization

Elliott Cole, Gabriel Linaje-Ferrel, Salma Oraichi, and Mikaela Phung



1:52-2:07

Functional mechanics of the elephant and butterfly proboscis

Han Ru Liu, Letizia Mareello, Liam Sterne, and Kori Zhang



2:08-2:23

From fetus to fossil: an analysis of the hoof at different stages of life and environments

Claire Driedger, Yitian Zhang, Marshall Moussavi, and Emmanuel Menacho Tardieu



December 1st
MacDonald room 280

1:05-1:20

The multifarious nature of adipose tissue in animals

Josh Negenman, Milana Farah, Michelle Sayeh, and Edward Tong



1:21-1:35

A tale of tails: insight into a common yet diverse secret weapon

Moriah Campbell, Martin Pone, and Clementine Ruiz



1:36-1:51

Sensing through physics in whiskers and antennae

Ian Chuang, Giselle de Leon, Ella Wang, and Anna Shi



1:52-2:07

Spines: the multitudes and multi-functionalities of their mechanisms

Dan Voicu, Alexandra Schuck, Coty Ma, and Éloïse Söderbom



2:08-2:23

Underwater weapon: the optimized predatory mechanisms of the tentacle

Yousif Al Shajlawi, Henry Bain, Charles Barakett, and Julianna Bede

