



# Forensic methods, trade networks, and impacts of shark removal

**Date: 27 Nov 2020 (Friday)**

**Time: 1430 - 1515**

**Venue: KBSB 6N-11**



## About the speaker:

Vicki Sheng is a PhD candidate supervised by Dr. David M. Baker and Prof. Yvonne Sadovy. Her current research focuses on wildlife trade and ecological modeling.



## Abstract:

Despite endured success as one of the oldest predators in existence, sharks today are severely threatened by direct and indirect exploitation.

Major challenges facing sustainable management of sharks include lack of species-specific monitoring and enforcement, lack of geographic provenance and trophic data on which to base management decisions, lack of knowledge and intervention strategies for shark supply chain trade dynamics, and lack of understanding regarding the impacts of shark removal on wider ecosystem dynamics.

These questions are addressed by i) developing tools to increase and improve available data, particularly for species and regions, ii) evaluating the structure and evolution of trade networks to discern implications for intervention and iii) understanding impacts of predator removal from ecosystems, particularly the role of sharks in nitrogen cycling.

Overall, these multidisciplinary approaches contribute integrated insights to a complex problem and provide actionable implications for marine management.