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Vision and Change Tags:

- V&C: Evolution
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Christopher Schell

To help us prepare for what we are about to study in our class, we are going to explore the work of Christopher Schell. Dr. Schell received his B.A. in Psychology in 2009 from Columbia University and his Ph.D. in Evolutionary Biology in 2015 from the University of Chicago. After an NSF postdoctoral fellowship with Colorado State University and the National Wildlife Research Center, Dr. Schell joined the faculty as an assistant professor of the Science and Mathematics Division at the University of Washington Tacoma. His research centers around the ecological and evolutionary mechanisms that promote genetic, physiological and behavioral adaptations in carnivores to urban environments. The field of urban ecology is relatively new. Dr. Schell evaluates various socio-economic factors, with examples of red-lining and other disparities in human resource allocation, that may contribute to within-city variation in canid evolution.

Visit this website to learn more about the background of Christopher Schell:

Information
Flow

- V&C: Systems

NGSS Tags:

- LS2.A:
Interdependent
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- LS2.C:
Ecosystem
Dynamics,
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- LS2.D: Social
Interactions and
Group Behavior
- LS3.A:
Inheritance of
Traits
- LS3.B: Variation
of Traits
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- LS4.C:
Adaptation
- LS4.D:
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Visit this website to learn about the research of Christopher Schell:

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About the Author



My name is Andrew Mularo. I am a PhD student at Purdue University that is studying the effects of human encroachment on wildlife from a genomics perspective. I focus on how human-induced bottlenecks, as a result of habitat fragmentation due to urbanization or the introduction of invasive species, influence the genetic and genomic variance of populations, and how those populations can adapt to changing environments through mutation-accumulation and selective pressures.