

# Sungsik Kong

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## CONTACT INFORMATION

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## SUMMARY

- I am a *computational evolutionary biologist* with trainings in biology, statistics, mathematics, computer science, and data science.
- My research focuses on *phylogenetic network inference*, *phylogenetic methods development*, and *reticulate evolution*.
- I am *adventurous* and *traveled* in Asia for a year on foot, bicycle, and motorbike.

## PROFESSIONAL EXPERIENCE

**Brown University, Providence, Rhode Island, USA** *Scheduled in Fall 2024*  
*Institute for Computational and Experimental Research in Mathematics* *Postdoctoral fellow*  
*(ICERM)* *in Mathematics*

**University of Wisconsin-Madison, Madison, Wisconsin, USA** **2023-present**  
*Wisconsin Institute for Discovery* *Postdoctoral research associate*  
Mentor: Dr. Claudia Solís-Lemus

## EDUCATION

**The Ohio State University, Columbus, Ohio, USA** **2018-2022**  
*Ph.D. in Evolution, Ecology, and Organismal Biology*  
*Presidential fellow* 2022  
Dissertation: Towards the network of life: Phylogenetic networks as a tool to understand complex evolutionary histories  
Advisor: Dr. Laura Kubatko

**University of Toronto, Toronto, Ontario, Canada** **2013-2015**  
*M.Sc. in Ecology and Evolutionary Biology*  
Thesis: On the use of Median-Joining networks: A philosophical and empirical evaluation of its suitability in evolutionary biology  
Advisor: Dr. Robert Murphy

**University of Toronto, Toronto, Ontario, Canada** **2006-2012**  
*B.Sc. in Zoology and Ecology and Evolutionary Biology*  
Undergraduate thesis advisors: Drs. Robert W. Murphy and Deborah A. McLennan

## PUBLICATIONS

**Total number**: 20  
**h-index**: 7 [[Google scholar](#)]  
\*Correspondence; ‡Co-correspondence; †Equal contribution

### Selected peer-reviewed journal articles

- [20] **Kong S\***, Swofford DL, and Kubatko LS. (Accepted, *Systematic Biology*) Inference of phylogenetic networks from sequence data using composite likelihood. Preprint available on *bioRxiv* at 10.1101/2022.11.14.516468v1
- [19] **Kong S\***, Sánchez-Pacheco SJ, and Murphy RW. (2023) Median-Joining Networks and Bayesian phylogenies often do not tell the same story. *Bulletin of the Society of Systematic Biologists* 2:1 1–13 doi:10.18061/bssb.v2i-1.9625
- [18] **Kong S** (2022) Digest: Frequent hybridization in *Darevskia* rarely leads to the evolution of asexuality. *Evolution* 76:9 2216–2217 doi:10.1111/evo.14587

- [17] **Kong S<sup>†</sup>**, Pons JC<sup>†</sup>, Kubatko LS, and Wicke K. (2022) Classes of phylogenetic networks and their mathematical and biological significance. *Journal of Mathematical Biology* 84:47 doi:10.1007/s00285-022-01746-y
- [16] **Kong S** and Kubatko LS. (2021) Comparative performance of popular methods for hybrid detection using genomic data. *Systematic Biology* 70:5 891–907 doi:10.1093/sysbio/syaa092
- [15] Sánchez-Pacheco SJ<sup>‡</sup>, **Kong S<sup>‡</sup>**, Pulido-Santacruz P, Murphy RW, and Kubatko L. (2020) Median-joining network analysis of SARS-CoV-2 genomes is neither phylogenetic nor evolutionary. *Proc. Natl. Acad. Sci. U.S.A* 117:23 12518–12519 doi:10.1073/pnas.2007062117
- [14] **Kong S<sup>†</sup>**, Sánchez-Pacheco S<sup>†</sup>, and Murphy RW. (2016) On the use of Median-Joining Networks in evolutionary biology. *Cladistics* 32: 691–699 doi:10.1111/cla.12147

#### Collaborative peer-reviewed journal articles

- [13] Peng J, **Kong S**, and Kubatko L. (In Press) A likelihood ratio test for hybridization under the multispecies coalescent. *Bulletin of the Society of Systematic Biologists*; Preprint available on *bioRxiv* at doi:10.1101/2023.06.20.545699
- [12] Fu M, Eimes JA, **Kong S**, Lamichhaney S, Waldman B (2023) Identification of major histocompatibility complex genotypes associated with resistance to an amphibian emerging infectious disease. *Infection, Genetics and Evolution* 105470 doi:10.1016/j.meegid.2023.105470
- [11] Glon H, Häussermann V, Brewin P, Brickle P, **Kong S**, Smith M, and Daly M. (2023) There and back again: The unexpected journeys of *Metridium* de Blainville, 1824 between the old oceans and throughout the modern world. *Biological Bulletin* 244:1 doi:10.1086/723800
- [10] Nguyen HQ, Ho P-T, **Kong S**, Bae Y, Pham TH, and Jang Y. (2022) A time-calibrated mitogenomic phylogeny suggests that Korean *Hyalessa fuscata* is a bridge between Chinese and Japanese *H. maculaticollis*. *Journal of Genetics* 102:9 doi:10.1007/s12041-022-01405-7
- [9] Nguyen HQ, Kim E, Bae Y, Chae S, Ji S, Heo J, **Kong S**, Nguyen TK, Pham TH, and Jang Y. (2022) An effective method for accurate life-stage delimitation of cicadas. *Journal of Asia-Pacific Entomology* 101952 doi:10.1016/j.aspen.2022.101952
- [8] Glon MG, Broe MB, Crandall KA, Daly M, **Kong S**, Thoma RF, and Freudenstein JV. (2022) Anchored hybrid enrichment resolves the *Lacunicambarus* (Decapoda: Cambaridae) phylogeny. *Journal of Crustacean Biology* 42:1 ruab073 doi:10.1093/jcabi/ruab073
- [7] Kim M, Nguyen HQ, Yi Y, Ahn J, Kim YE, Jang S, Kim S, **Kong S**, and Borzée A. (2020) Policy recommendation on whaling, trade and watching of cetaceans in the Republic of Korea. *Biodiversity Journal* 11: 255–258 doi:10.31396/Biodiv.Jour.2020.11.1.255.258
- [6] Weiringa JG, Boot MR, Dantas-Queiroz MV, Duckett D, Fonseca EM, Glon H, Hamilton N, **Kong S**, Lanna FM, Mattingly KZ, Parsons DJ, Smith ML, Stone BW, Thompson C, Zuo L, and Carstens BC. (2020) Does habitat stability structure intraspecific genetic diversity? It's complicated... *Frontiers in Biogeography* e45377 doi:10.21425/F5FBG45377
- [5] Borzée A, Purevdorj Z, Kim YI, **Kong S**, Choe M, Yi Y, Kim K, Kim A, and Jang Y. (2020) Breeding preferences in the Treefrogs *Dryophytes japonicus* (Hylidae) in Mongolia, the northern limit of their range. *Journal of Natural History* 53: 2685–2698 doi:10.1080/00222933.2019.1704458
- [4] Bae Y, **Kong S**, Yi Y, Jang Y, and Borzée A. (2019) Additional new type of threat to *Hynobius* salamander eggs: predation by loaches (*Misgurnus* sp.) in agricultural wetlands. *Animal Biology* 69:4 451–461 doi:10.1163/15707563-20191070
- [3] Groffen J, **Kong S**, Jang Y, and Borzée A. (2019) The invasive American bullfrog (*Lithobates catesbeianus*) in the Republic of Korea: history and recommendation for population control. *Management of Biological Invasions* 10:3 517–535 doi:10.3391/mbi.2019.10.3.08

- [2] Borzée A, **Kong S**, Didinger C, Nguyen HQ, and Jang Y. (2018) A ring-species or a ring of species? Phylogenetic relationship between two treefrog species around the Yellow Sea: *Dryophytes suweonensis* and *D. immaculatus*. *The Herpetological Journal* 28: 160–170
- [1] Kim K, **Kong S**, Kim YI, Borzée A, Bae Y, and Jang Y. (2018) Japanese hard ticks (*Ixodes nipponensis*) parasitizing on the endangered leopard cat (*Prionailurus bengalensis euptilura*) in the Republic of Korea. *Animal Systematics, Evolution and Diversity* 34:1 23–26 doi:10.5635/ASED.2018.34.1.032

### Policy recommendation

- [1] Borzée A, Nguyen HQ, Ahn J, Kim M, Kim S, Jang S, **Kong S**, Kim YE, and Yi Y. (2017) Policy recommendation on the negative impact of infrastructure development on the population of endangered Long-Tailed Goral in Oseck-Kkeutchong. *Society for Conservation Biology Korean Chapter*

### Submitted (or very close to be submitted)

- [1] **Kong S**, Solís-Lemus CR, and Tiley GP. (In Review) Phylogenetic networks empower speciation biology
- [2] Fonseca EM, Camurugi F, Magalhães FM, **Kong S**, Colli GR, Werneck FP, and Carstens BC. (In Preparation) Geographic distance, rivers, and historical climate explain genetic structure and differentiation in a widely distributed tropical skink
- [3] **Kong S**, Kolbow N, Chafin T, and Solís-Lemus CR. (In Preparation) SNaQ2: Improved scalability for phylogenetic network inference

### TALKS AND PRESENTATIONS

#### Invited talks (\*Virtual presentation)

- |   |                          |
|---|--------------------------|
| [1] Creighton University, Omaha, NE., USA<br><i>Department of Mathematics Colloquium Series</i>   | <i>Scheduled in 2024</i> |
| [2] ICERM, Brown University, Providence, RI., USA<br><i>From Phylogenetics to Phylogenomics:<br/>Mathematical and Statistical Challenges in the era of Big Data Workshop</i>  | <i>Scheduled in 2024</i> |
| [3] Joint Congress on Evolutionary Biology, Montréal, QC., Canada<br><i>Networks in Population Genetics and Phylogenetics:<br/>Theory, Methods, and Applications Symposium</i>  | 2024                     |
| [4] University of Hawai'i at Mānoa, Honolulu, HI., USA<br><i>Algebraic Methods in Phylogenetics Workshop, Just-in-time talk</i>   | 2024                     |
| [5] University of Science and Technology of Hanoi,<br>Vietnam Academy of Science and Technology, Hanoi, Vietnam [ <a href="#">press</a> ]   | 2024                     |
| [6] Sungshin Women's University, Seoul, South Korea   | 2024                     |
| [7] Ewha Womans University, Seoul, South Korea  | 2024                     |
| [8] The International Society for Computational Biology (ISCB),<br>Society for Molecular Biology and Evolution (SMBE)*<br><i>EvolCompGen webinar series</i>   | 2023                     |
| [9] Society for Industrial and Applied Mathematics,<br>New York-New Jersey-Pennsylvania Section (SIAM-NNP),<br>New Jersey Institute of Technology (NJIT), Newark, NJ., USA<br><i>Mathematics of Evolution Minisymposium</i> | 2023                     |
| [10] University of Wisconsin-Madison, WI., USA [ <a href="#">video</a> ]<br><i>UW-Madison Fall 2023 Evolution Seminar Series</i>  | 2023                     |

- [11] University of Wisconsin-Madison, WI., USA 2023  
*UW-Madison Postdoctoral Research Symposium Blitz Talks Competition*
- [12] Taming the BEAST, Squamish, BC., Canada 2023  
*Squamish BEAST Tamers*
- [13] Botany Meeting, Boise, ID., USA 2023  
*Seeing the Network for the Trees Symposium*
- [14] Algorithms and Complexity in Phylogenetics\* [[video](#)] 2022
- [15] Indiana University, Bloomington, IN., USA 2022
- [16] University of California San Diego, CA., USA\* 2022
- [17] Evolution Meeting, Cleveland, OH., USA 2022  
*Society of Systematic Biologists (SSB) Ernst Mayr Award Competition*
- [18] Louisiana State University, Baton Rouge, LA., USA 2022  
*Department of Biological Sciences Seminar*
- [19] The Korean Association of Biological Sciences, Seoul, South Korea\* 2021  
*The Ecological Society of Korea Section*
- [20] Workshop in Mathematical and Computational Biology\* [[video](#)] 2021  
*Bioinformatics Section*
- [21] Misericordia University, Dallas, PA., USA\* 2021  
*Biology Seminar Series*
- [22] The Stone Laboratory, Gibraltar Island, OH., USA 2019  
*EEOB 1930 Introduction to Biological Studies–Aquatic Biology*
- [23] Ewha Womans University, Seoul, South Korea 2016  
*Eco-science/Eco-creative Graduate Seminar*
- [24] Ewha Womans University, Seoul, South Korea 2013  
*Laboratory of Behavior and Ecology Weekly Seminar*

### Regular talks

- [1] University of Wisconsin-Madison, WI., USA 2024  
*Friday@4*
- [2] University of Wisconsin-Madison, WI., USA 2023  
*Wisconsin Institute for Discovery Symposium*
- [3] Evolution Meeting\* 2021
- [4] The Ohio State University, Columbus, OH., USA\* 2021  
*Evolution, Ecology, and Organismal Biology (EEOB) Annual Darwin Series*
- [5] The Ohio State University, Columbus, OH., USA 2019, 2020  
*Evolution & Ecology Club*
- [6] SSB Standalone Meeting, Gainesville, FL., USA 2020
- [7] Ewha Womans University, Seoul, South Korea 2017  
*Animal Communication Symposium*

## Poster presentations

- [1] Intelligent Systems for Molecular Biology (ISMB), ISCB, Madison, WI., USA 2022  
*Best Poster Award Winner*
- [2] Evolution Meeting, Providence, RI., USA 2019
- [3] The Korean Association of Biological Sciences, Yong-In, South Korea 2017
- [4] Korean-American Scientists and Engineers Association (KSEA),  
Young Generation Technical and Leadership Conference (YGTLC), Houston, TX., USA 2014
- [5] University of Toronto, Toronto, ON., Canada 2012  
*Department of Ecology and Evolutionary Biology undergraduate research Fair*

## ACADEMIC EXPERIENCE

### Academic visit

- [1] University of Wisconsin–Madison, WI., USA 2022  
*Wisconsin Institute for Discovery* *Visiting Ph.D. student*  
Mentor: Dr. Claudia Solís-Lemus
- [2] Louisiana State University, Baton Rouge, LA., USA 2022  
*Department of Biological Sciences* *Visiting Ph.D. student*  
Mentor: Dr. Jeremy Brown

### Research experience

- [1] Ewha Womans University, Seoul, South Korea 2013, 2016–2017  
*Division of Eco-science* *Researcher*  
Mentors: Drs. Jae Chun Choe and Yikweon Jang
- [2] University of Toronto, ON., Canada 2011–2013  
*Faculty of Forestry* *Work-study student & Biodiversity technician*  
Mentors: Dr. Sandy Smith and Eric Davies
- [3] Royal Ontario Museum, Toronto, ON., Canada 2012  
*Centre for Biodiversity and Conservation Biology* *Student researcher*  
Mentor: Dr. Robert Murphy
- [4] University of Toronto, ON., Canada 2011–2012  
*Department of Ecology and Evolutionary Biology* *Student researcher*  
Mentor: Dr. Deborah McLennan
- [5] University of Toronto, ON., Canada 2010  
*Cities Centre, Department of Geography* *Student data collector*  
Mentor: Dr. Kristian Larsen

### Fieldwork experience

- [1] Indonesia, Laos, Indonesia, Mongolia, China, and South Korea 2016–2017
- [2] Greater Toronto Area (GTA) 2010–2013

## TEACHING AND MENTORING EXPERIENCE

### International workshops

#### *Instructor*

- [1] Methodological Advances in Reticulate Evolution, Botany Meeting, Boise, ID., USA 2023
- [2] Squamish BEAST Tamers, Taming the BEAST, Squamish, BC., Canada 2023

#### *Teaching assistant (†Lead teaching assistant)*

- [1] Workshop on Molecular Evolution, Woods Hole, MA., USA† 2024  
*Instructed Introduction to Computing Laboratory*

- [2] Workshop on Molecular Evolution, Woods Hole, MA., USA 2023

## The Ohio State University

### Teaching assistant

- [1] *EEOB 3310* Evolution (Spring, Fall) 2021  
(Spring, Summer, Fall) 2020  
(Spring, Fall) 2019
- [2] *EEOB 2520* Human Physiology (Summer) 2021
- [3] *EEOB 1930* Introduction to Biological Studies–Aquatic Biology (Summer) 2019
- [4] *BIOL 1113* Energy Transformation and Development (Fall) 2018

## University of Toronto

### Teaching assistant

- [1] *BIO 120* Adaptation and Biodiversity (Summer) 2015  
(Summer) 2014  
(Fall) 2013
- [2] *BIO 220* From Genomics to Ecosystems in a Changing World (Spring) 2015
- [3] *EEB 362* Macroevolution (Fall) 2014
- [4] *EEB 386* Avian Biology (Spring) 2014

## (Co-)supervision of undergraduate and graduate students

- [1] Alanna Kong (University of Toronto) 2021–2022  
*Mentored through University of Toronto Woodsworth Mentorship Program*
- [2] Devansh Pandey (Indian Institute of Technology Kharagpur) 2021–2022  
*Mentored through Científico Latino*  
Currently a graduate student at University of Texas at Austin
- [3] McKenna Molnar (The Ohio State University) 2020–2021  
*Mentored through OSU EEOB Graduate Mentoring Program*
- [4] Shelby Jansens and Kimberly Wiles 2020  
*Co-supervised with Dr. Laura Kubatko through*  
*Mathematical Biosciences Institute Research Experiences for Undergraduates program*  
Project title: Detecting shifts in the evolutionary process in SARS-CoV-2 genomes
- [5] Tulio Soares and Ellen Southam 2014–2015  
*Co-supervised with Dr. Pedro Bernardo at*  
*University of Toronto and Royal Ontario Museum*
- [6] Shreeram Senthivasan 2014  
*Co-supervised with Drs. Pedro Bernardo, Santiago Sánchez-Pacheco, and Robert Murphy at*  
*University of Toronto and Royal Ontario Museum*

## Miscellaneous

- [1] Daruma Eco-Farm, Bang Phra, Si Racha District, Chon Buri, Thailand 2016
- [2] Cheong-Shim International School English Camp, Ga-Pyeong, South Korea 2009

CONFERENCE AND WORKSHOP PARTICIPATION	<b>Participation with a role (*Virtual event)</b>	
	[1] Joint Congress on Evolutionary Biology, Montréal, Quebec, Canada <i>Participated as EvoAllies for safe and inclusive meeting</i>	2024
	[2] Evolution Meeting, Albuquerque, NM., USA <i>SSB Mayr Award Abstract Reviewer &amp; Society of Study of Evolution (SSE) Hamilton Award Judge</i>	2023
	[3] ISMB, ISCB, Madison, WI., USA <i>Technical Moderator</i>	2022
	[4] Evolution Meeting, Cleveland, OH., USA <i>SSB Symposium Co-organizer (with Dr. Md Rejuan Haque)</i> <i>Symposium title: Towards the network of life: Phylogenetic networks as a tool to understand complex evolutionary histories.</i>	2022
	[5] Evolution Meeting* <i>Chair/Moderator in multiple Faux-Live Sessions</i>	2021

### Participant

[1] Algebraic Methods in Phylogenetics Workshop, University of Hawai'i at Mānoa, Honolulu, HI., USA [ <a href="#">press</a> ]	2024
[2] Wisconsin Institute for Discovery Symposium, University of Wisconsin-Madison, WI., USA	2022, 2023
[3] Midwest Machine Learning Symposium, University of Illinois Chicago, IL., USA	2023
[4] Workshop in Mathematical and Computational Biology*	2022
[5] Annual Conference of the Korean Association of Biological Sciences, South Korea*	2021
[6] iEvoBio (Informatics for Phylogenetics, Evolution and Biodiversity), Evolution Meeting*	2021
[7] Workshop in Mathematical and Computational Biology*	2021
[8] SMRT Leiden 2021 – Young Investigator Virtual Conference*	2021
[9] Virtual Asilomar 2021, American Society of Naturalists*	2021
[10] Future of Systematics Workshop at SSB Standalone Meeting, University of Florida, Gainesville, FL., USA	2020
[11] SSB Standalone Meeting, Gainesville, FL., USA	2020
[12] Evolution Meeting, Providence, RI., USA	2019
[13] Midwest Phylogenetics Workshop, Itasca Biological Station, University of Minnesota, MN., USA	2019
[14] Annual Conference of the Korean Association of Biological Sciences, Yong-In, South Korea	2017
[15] Society for Conservation Biology (SCB) Asia Section, Workshop on Conservation policy, Bangkok, Thailand	2017
[16] World Congress of Herpetology, Hangzhou and Tonglu, China	2016
[17] Phylogenomics Symposium and Software School at SSB Standalone Meeting, University of Michigan, Ann Arbor, MI., USA	2015

DIVERSITY AND  
INCLUSION  
ACTIVITIES

**Participation with a role**

- |   |      |
|---|------|
| [1] Joint Congress on Evolutionary Biology, Montréal, Quebec, Canada<br><i>Participated as EvoAllies for safe and inclusive meeting</i>   | 2024 |
| [2] International Mixer, Evolution Meeting*<br><i>Moderator</i>   | 2021 |
| [3] Decolonizing Evolution Workshop, Evolution Meeting*<br><i>Moderator</i>   | 2021 |
| [4] Strategies for Responding to Harassment and Bullying:<br>Improving Workplace Climate, Evolution Community Resources for<br>Early Career Researchers 2020 (ECR <sup>2</sup> )*<br><i>Moderator</i> | 2020 |
| [5] Fireside ECR Chat, ECR <sup>2</sup> *<br><i>Moderator</i>   | 2020 |

**Participant**

- |   |      |
|---|------|
| [1] International Mixer, Evolution Meeting, Cleveland, OH., USA   | 2022 |
| [2] Transformative Justice within Academia:<br>A radical institutional reflection, The Centre for Criminology and<br>Sociolegal Studies Graduate Student Conference, University of Toronto* | 2021 |

GRANTS AND  
AWARDS

All in US Dollars unless stated. †Canadian Dollar; ‡Converted from South Korean Won  
Total amount of funding received up to date ≈US\$87,000

**Highlights**

- |  |                          |
|--|--------------------------|
| [1] ICERM Semester Postdoctoral Fellowship, Brown University [\$36,600]                        | <i>Scheduled in 2024</i> |
| [2] The Presidential Fellowship, The Ohio State University [\$36,500]                          | 2022                     |
| [3] SSB Ad Hoc Funds [\$3,000]   | 2021                     |
| [4] SSE Graduate Research Excellence Grant [\$1,800]<br><i>R.C. Lewontin Award competition</i> | 2020                     |
| [5] University of Toronto Graduate Fellowship  | 2013–2015                |
| [6] E.M. Walker Graduate Award in Biodiversity, University of Toronto [\$2,615†]               | 2014                     |

**Other grants**

- |  |      |
|--|------|
| [1] Funding for participation in Algebraic Methods in Phylogenetics Workshop (NSF)   | 2024 |
| [2] UW-Madison Department of Plant Pathology Travel Award [\$500]  | 2024 |
| [3] EvolCompGen Best Poster Award, ISMB, ISCB [\$100]  | 2022 |
| [4] EEOB Graduate Development Grant, The Ohio State University [Funded]  | 2022 |
| [5] EEOB Graduate Evolution & Ecology Student Organization (GEES)<br>Career Development Grant, The Ohio State University [\$200] | 2022 |
| [6] Council of Graduate Students (CGS) Career Development Grant,<br>The Ohio State University [\$350]                            | 2022 |
| [7] EEOB Darwin Talk Society Membership Grant, The Ohio State University [\$70]  | 2021 |
| [8] EEOB Graduate Development Grant, The Ohio State University [Funded]  | 2021 |
| [9] Funding for participation in Future of Systematics Workshop,<br>SSB Standalone Meeting (NSF) [\$500]                         | 2020 |



	[10] Funding for participation in Midwest Phylogenetics Workshop (NSF) [Funded]	2019
	[11] EEOB Graduate Development Grant, The Ohio State University [Funded]	2019
	[12] University of Toronto Undergraduate Bursaries [ $\dagger \approx \$3,000$ ]	2010–2012
OUTREACH AND SERVICE	[1] The Society’s Graduate Student Research Awards <i>Reviewer</i>	2024
	[2] Junior science café, Morgridge Institute for Research, WI., USA <i>Scientist</i>	2023
	[3] EEOB 8894: EEOB Graduate seminar, The Ohio State University <i>Invited Panelist</i>	2020
	[4] Museum of Biological Diversity’s open house, The Ohio State University <i>Volunteer</i>	2019
	[5] Department of EEOB, The Ohio State University <i>Graduate studies Committee</i>	2020–2021
	[6] Department of EEOB, The Ohio State University <i>Admissions Committee</i>	2019–2020
	[7] SCB, South Korean Chapter <i>Communication Officer</i>	2016–2017
	[8] Kuang Si Butterfly Park, Ban Thapene, Luang Prabang District, Laos <i>Volunteer Biologist</i>	2016, 2022
PEER-REVIEW ACTIVITIES	<b>Review Editor</b> on the Editorial Board of Evolutionary Systems Biology (specialty section of Frontiers in Systems Biology). <b>Reviewer</b> at Systematic Biology; Molecular Biology and Evolution; Genome Biology and Evolution; Scientific Reports; Molecular Phylogenetics and Evolution; Philosophical Transactions B; Infection, Genetics and Evolution; PLOS Computational Biology; F1000Research; Journal of Mathematical Biology; Bulletin of Mathematical Biology; Ecology and Evolution; Zoological Systematics; Functional & Integrative Genomics	
ACTIVE PROFESSIONAL MEMBERSHIPS	Society of Systematic Biologists; Society for Study of Evolution; International Society for Computational Biology	
SKILLS	Programming: UNIX, R, Python, Julia, HTML, JavaScript Typesetting: $\text{\LaTeX}$ , R Markdown, Jupyter Notebook Languages: English (Fluent), Korean (Native), Japanese (Intermediate)	

## REFERENCES

- [1] Dr. Laura S. Kubatko (Ph.D. advisor)  
Department of Statistics and  
Department of Evolution, Ecology, and Organismal Biology  
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- [2] Dr. Claudia Solís-Lemus (Postdoc advisor)  
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- [3] Dr. Robert W. Murphy (M.Sc. advisor)  
Reptilia Sanctuary and Education Centre and  
Department of Natural History-Royal Ontario Museum and  
Professor of Ecology and Evolutionary Biology  
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- [4] Dr. Bryan C. Carstens (Ph.D. dissertation committee)  
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- [7] Dr. Andreas Chavez (Evolution course instructor)  
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