TALI MAGORY COHEN, Ph.D.

Senior Lecturer

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ACADEMIC EDUCATION

Senior Lecturer, Hula Research Center, Tel Hai University of Kiryat Shmona in the Galilee 2026 - Present

Research associate, Faculty of Medicine, Bar-Ilan University Safed 2024 – 2026
Host: Prof. Omry Koren

Postdoctoral fellow, Department of Evolution and Ecology, UC Davis & the GLOBE Institute, University of Copenhagen 2021 - 2024
Hosts: Dr. Rachael Bay, Prof. Tom Gilbert

Postdoctoral fellow, the School of Zoology, the George S. Wise Faculty of Life Sciences, Tel Aviv University & Steinhardt Museum of Natural History 2019 – 2021
Hosts: Dr. Eran Levin, Prof. Shai Meiri

Ph.D., the School of Zoology, the George S. Wise Faculty of Life Sciences, Tel Aviv University 2014 – 2019
Thesis: "A comprehensive characterization of invasive populations of the Common Myna (*Acridotheres tristis*)". **Advisor**: Dr. Roi Dor.

M.Sc., the Koret School of Veterinary Medicine, the Hebrew University of Jerusalem 2009 – 2012
Thesis: "Genetic diversity among Golden jackal and Red fox populations in Israel; The effect of bottlenecks on the genetic diversity of canids populations and their susceptibility to Rabies".
Advisor: Dr. Gila Kahila Bar-Gal.
Summa cum laude

B.Sc., Animal Science, the Hebrew University of Jerusalem 2006 – 2009
Special program: Nature Conservation and Open Land Management
Magna cum laude

PUBLICATIONS

20. Leonard, A., …, **Magory Cohen, T.**, …et al. A global initiative for ecological and evolutionary hologenomics. Trends in Ecology & Evolution.

19. **Magory Cohen, T.**, Bodner, L., Turjeman, S., Sharon, E., Cohen, A., Bouchebti, S., Tikhonov, E., Koren, O., & Levin, E. An experimental approach towards untangling the role of nature versus nurture in shaping the microbiome of social insects. bioRxiv 2023.09.04.556269.

18. Saar, M., Eyer, P. A., **Magory Cohen, T.**, Ionescu-Hirsch, A., Dor, R. & Dorchin, N. Systematics of harvester ants (*Messor*) in Israel based on integrated morphological, genetic, and ecological data. bioRxiv 2023.07.16.549226.

17. Bouchebti, S., **Magory Cohen, T.,** Bodner, L., & Levin, E. (2023) Chitin digestion in a eusocial insect: the digestive role of larvae in hornet colonies. *Entomologia Generalis*, 14(2), 491-494.

16. Bouchebti, S., Bodner, L., Bergman, M., **Magory Cohen, T.,** & Levin, E. (2022) The effects of dietary proline, β-alanine, and γ-aminobutyric acid (GABA) on the nest construction behavior in the Oriental hornet (Vespa orientalis). *Scientific Reports*, 12(1), 1-8.

15. **Magory Cohen, T.,** Hauber, M. E., Akriotis, T., Crochet, P. A., Karris, G., Kirschel, A. N., Khoury, F., Menchetti, M., Mori, E., Per, E., Reino, L., Saavedra, S., Santana, J., & Dor, R. (2022) Accelerated avian invasion into the Mediterranean region endangers biodiversity and mandates international collaboration. *Journal of Applied Ecology*, 59, 1440-1455.

14. **Magory Cohen, T.**, Kiat, Y., Sharon, H., & Levin E. (2021) An Alternative Hypothesis for the Evolution of Sexual Segregation in Endotherms. *Global Ecology & Biogeography*, 30(12), 2420-2430.

13. Shpigler, H. Y., Ben Shimol, E., Ben-Betzalel, R., **Magory Cohen, T.** & Levin, E. (2021) Juvenile hormone increases metabolic rate and protein turnover in bumble bees (*Bombus terrestris*). *Hormones and Behavior*, 136, 105073.

12. **Magory Cohen, T.**, Major, R., Kumar, R. S. ,Nair, M., Ewart, K., Hauber, M. E., & Dor, R. (2021) Rapid morphological changes as agents of adaptation in introduced populations of the common myna (*Acridotheres tristis*). *Evolutionary ecology*, 35, 443-462.

11. Haran, R., **Magory Cohen, T.**, & Dor, R. (2021) Adult sex ratio and identification of Eastern Orphean Warbler *Sylvia crassirostris* during autumn migration. *Sandgrouse*, 43, 90-98.

10. **Magory Cohen, T.**, Kumar, S., Nair, M., Hauber, M., & Dor, R. (2020) Innovation and decreased neophobia are important for invasion success in a widespread avian invader. Animal Behaviour, 163, 61–72.

9. **Magory Cohen, T.**, & Dor, R. (2019) The effect of local species composition on the distribution of an avian invader. Scientific Reports. Scientific Reports, 9, 15861.

8. Levitt-Barmats, Y., Yanai, Z., **Magory Cohen, T.**, & Shenkar, N. (2019) Life-history traits and ecological characteristics of the ornamental shrimp *Neocaridina denticulata* (De Haan, 1844), recently introduced into the freshwater systems of Israel. Aquatic invasions, 14(4), 684–702.

7. **Magory Cohen, T.**, McKinney, M., Kark, S. & Dor R. (2019) Global invasion in progress: The current and potential global distribution of the Common Myna (*Acridotheres tristis*). Biological Invasions, 21(4), 1295-1309.

6. **Magory Cohen, T.**, Haran R. & Dor R. (2018). Local adaptations in highly connected populations of the Dead Sea Sparrow (*Passer moabiticus*) in Israel. Ibis, 161(3), 619-631.

5. Ewart, K.M., Griffin, A., Johnson, R.N., Kark, S., **Magory Cohen, T.**, Lo, N., Major, R.E. (2018). Two speed invasion: assisted and intrinsic dispersal of common mynas over 150-years of colonization. Journal of Biogeography, 46(1), 45-57.

4. Dar-Nimrod, I., MacNevin, G., Godwin, A., Lynch, K., **Magory Cohen, T.**, & Morandini, J. (2018) Genetic literacy within a national Australian sample: Comparisons with other diverse populations. Public Health Genomics, 21, 133-143.

3. Sinaiko, G., **Magory Cohen, T.,** Dor, R. & Meiri, S. (2017). Taxonomic revision of Israeli snakes belonging to the *Platyceps rhodorachis* species complex (Reptilia: Squamata: Colubridae). Zootaxa, 4379(3), 301–346.

2. **Magory Cohen, T.**, Narkiss, T., Dolev, A., Ben-Ari, Y., Kronfeld-Schor, N., Guter, A., Saltz D., & Bar-Gal, G. K. (2013). Genetic Diversity of the Eurasian Otter (*Lutra lutra*) Population in Israel. Journal of Heredity, 104(2), 192-201.

1. **Magory Cohen, T.**, King, R., Dolev, A., Boldo, A., Lichter-Peled, A., & Bar-Gal, G. K. (2013). Genetic characterization of populations of the golden jackal and the red fox in Israel. Conservation Genetics, 14(1), 55-63.

In review

Magory Cohen, T., Cohen, A., Turjeman, S., Kuzi, S., Tal, S., & Koren, O. Barking up the microbiome tree: a multi-cavity characterization of maternal postpartum and pup early colonization dynamics. Animal Microbiome (*in review*)

Magory Cohen, T*., Bodner*, L., Turjeman, S., Sharon, E., Cohen, A., Bouchebti, S., Tikhonov, E., Koren, O., & Levin, E. Gut microbiome mediates an evolutionarily conserved social behavior in eusocial insects. Animal Microbiome (*in review*)

GRANTS AND FELLOWSHIPS

The Planning and Budgeting committee (PBC) of the Council for Higher Education (CHE) initiative for Non-Faculty Researchers (₪1,750,000)	2023 – 2027
The Zuckerman-CHE Outstanding Israeli Female Postdoctoral Program ($66,000)	2021 – 2022
Tel Aviv University's Presidential Female Postdoctoral Fellowship ($50,000)	2021 – 2022
Tel Aviv University's rector's emergency Corona fellowship ($21,000)	2020
Marie Curie Individual Fellowship (Global) (€268,900)	2020
Postdoctoral fellowship - The Council for Higher Education (CHE)	2019
Ministry of Science & Technology scholarship ($2500)	2017
Aharon and Ephraim Katzir Fellowship ($5000)	2017
Heredity Fieldwork Grant, The Genetics Society UK (£1500)	2016
Collection Study Grants, American Museum of Natural History ($800)	2016
SYNTHESYS, the European Union-funded Integrated Activities grant (full visit costs)	2015
Global Research & Training Fellowship in Medical and Life Sciences (GRTF) fund, Tel Aviv University ($4,000)	2015
Smaller-Winnikow Fellowship Fund for Environmental Research (100% full scholarship)	2015
The Joan and Jaime Constantiner Institute for Molecular Genetics Travel Scholarship ($500)	2015
Adesman Foundation and the Department of Zoology Travel Grant, Tel Aviv University ($1,400)	2015
The Rieger Foundation-Jewish National Fund fellowship ($5,000)	2015-2016
Minerva Short-Term Research Grant, Minerva Stiftung, Germany (€2,250)	2014
Whole Organism Excellence Scholarship, the Ministry of Agriculture ($4,250)	2011
Foresters of the Future Scholarship, KKL-JNF Ronald Appleby of Canada Foundation ($1,300)	2008-2009

AWARDS AND HONORS

Excellence in teaching award, Faculty of Life Sciences, Tel-Aviv University	2016-2017

Academic Excellence Scholarship, the Hebrew University of Jerusalem	2010-2011
Academic Excellence Scholarship, the Hebrew University of Jerusalem	2009-2010
Summa cum laude, M.Sc.	2012
Magna cum laude, B.Sc.	2009

TEACHING

Lecturer, Marine Genomics (EVE 198 001 SQ 2022), UC Davis	2022
Conceptualizer and lecturer, Fundamentals of Population Genetics for Conservation and Ecology (04313370), Tel Aviv University	2019

Teaching assistantship

Graduate Teaching Assistant, Zoology (0455156901), Tel Aviv University	2016 – 2018

INVITED TALKS [selected]

Magory Cohen, T. (2025) Seminar series, , Wildlife Institute of India, India. "Evolution in a toxic world: avian responses to mercury in the Western Amazon".

Magory Cohen, T. (2024) Annual Birding Seminar, Tel Aviv University, Israel. Title of presentation: "The impact of mercury pollution on birds in the Amazon" [in Hebrew].

Magory Cohen, T. (2024) Behavioural Ecology Module, Wildlife Institute of India, India (online). Title of presentation: "Innovation and neophobia – behavioral modifications during an active invasion in common mynas".

Magory Cohen, T. (2022) Cocha Cashu Biological Station, Peru. Title of presentation: "El impacto de la contaminación por mercurio en bioindicadores aviares en el Amazonas peruano". [in Spanish]

Magory Cohen, T. (2022) Animal Behavior Graduate Group seminar, UC Davis, United States. Title of presentation: "Invasion of the innovators - behavioral modifications during an active invasion in common mynas (*Acridotheres tristis*)".

Magory Cohen, T. (2022) Center of Population Biology Seminar, UC Davis, United States. Title of presentation: "The impact of mercury pollution on avian bioindicators in the Peruvian Amazon".

Magory Cohen, T. (2022) Annual bird ringers convention, Israel. Title of presentation: "The impact of mercury pollution on birds in the Peruvian Amazon – how to ring in caiman-infested water and stay alive". [in Hebrew]

Magory Cohen, T. (2022) Sunderland Mercury subgroup, Harvard University, United States. Title of presentation: "The impact of mercury pollution on avian bioindicators in the Peruvian Amazon".

Magory Cohen, T. (2022) Romero group, Tufts University, United States. Title of presentation: "The impact of mercury pollution on avian bioindicators in the Peruvian Amazon".

Magory Cohen, T. (2022) Invasive species panel, The Van Leer Jerusalem Institute, Israel. Title of presentation: "Invasion in progress – the common myna as a case study for invasive species". [in Hebrew]

Magory Cohen, T. (2020) via Google Meet. Invited by: Non-governmental Organization (NGO) Instituto de Investigación en Ecología y Conservación and CienciaPapaya (Peru). Title of talk: "Introduction to Conservation Genetics - how DNA can help save species from extinction". Audience: STEM undergraduate and graduate students.

Magory Cohen, T. (2020) Bar-Ilan University Azrieli Faculty of Medicine, Bar Ilan University, Israel. Title of presentation: "A global avian invader on the move: a case study of the Common Myna (*Acridotheres tristis*)".

Magory Cohen, T. (2019) Department of Evolution and Ecology, Stanford University, United States. Title of presentation: "A global avian invader on the move: a case study of the Common Myna (*Acridotheres tristis*)".

Magory Cohen, T. (2019) Department of Evolution and Ecology, UC Davis, United States. Title of presentation: "A global avian invader on the move: a case study of the Common Myna (*Acridotheres tristis*)".

Magory Cohen, T. (2019) Department of Evolution, Ecology, and Behavior, University of Illinois, Urbana-Champaign, United States. Title of presentation: "A global avian invader on the move: a case study of the Common Myna (*Acridotheres tristis*)".

Magory Cohen, T. (2019) Department of Life Sciences (Silwood Park), Imperial College London, United Kingdom. Title of presentation: "A global avian invader on the move: a case study of the Common Myna (*Acridotheres tristis*)" (EMBO seminar).

Magory Cohen, T. (2017) Judea and Samaria district, Israel Nature and Parks Authority, Israel. Title of presentation: "Invasion in progress: the common myna (*Acridotheres tristis*) as a case study for invasive species".

Magory Cohen, T. (2016) The Natural History Museum in Hertfordshire, Tring, United Kingdom. Title of presentation: "A comparative analysis of invasive populations of the Common Myna (*Acridotheres tristis*)".

PARTICIPATION IN SCIENTIFIC CONFERENCES

Magory Cohen, T., Barocas, A., Sunderland, E., Romero, M., Sánchez, V., Ruegg, K., Bay, R. & Gilbert, T. "Ecological and Evolutionary Genomics – Gordon Research Conference", Italy, July 2025. Title of poster: "Evolutionary consequences of mercury pollution on avian bioindicators in the Western Amazon".

Magory Cohen, T., Barocas, A., Sánchez, V., Roybal, E., Mak, S., Gilbert, T. & Bay, R. "61st Annual Conference of Zoology in Israel", Israel, December 2024. Title of poster: "eDNA Reveals Impacts of Artisanal Gold Mining on Aquatic Biodiversity in the Peruvian Amazon".

Magory Cohen, T., Barocas, A., Sunderland, E., Romero, M., Sánchez, V., Ruegg, K., Bay, R. & Gilbert, T. "4th Israeli Conference for Conservation Science", Israel, October 2024. Title of presentation: "Evolutionary consequences of mercury pollution on avian bioindicators in the Western Amazon".

Magory Cohen, T., Bonder, L., Turjeman, S., Sharon, E., Cohen, A., Bouchebti, S., Tikhonov, E., Koren, O. & Levin E. "Applied Hologenomics conference 2024", Denmark, June 2024. Title of poster: "An experimental approach towards untangling the role of nature versus nurture in shaping the microbiome of social insects".

Magory Cohen, T. "HgAmazonia", Peru, November 2022. Title of presentation: "Mercury impact on avian bioindicators in the Peruvian Amazon".

Magory Cohen, T., Bonder, L., Bouchebti, S., Tikhonov, E., Koren, O., Volov, M., Cohen, N., Levin E. "57th Annual Conference of Zoology in Israel", Israel, December 2020. Title of presentation: "Microbiome diversity along the developmental and colonial axis in the Oriental hornet (*Vespa orientalis*)".

Magory Cohen, T., Ewart, K., Major, R., Kumar, R. S., Nair, M., Dor, R. "The Society for Molecular Biology & Evolution 2019", Manchester, UK, July 2019. Title of poster: "Comparative invasion genomics of a wide-spread avian invader, the common myna (*Acridotheres tristis*)".

Magory Cohen, T., Kumar, S., Nair, M., McKinney, M., Kark, S. & Dor, R."55th Annual Conference of Zoology in Israel", Ramat Gan, Israel, December 2018. Title of presentation: "The story of the successful global invasion of the Common Myna (*Acridotheres tristis*) ".

Magory Cohen, T., McKinney, M., Kark, S., Kumar, S., Nair, M. & Dor, R. "International Ornithology Congress", Vancouver, Canada, August 2018. Title of presentation: "A global avian invader on the move: a case study of the Common Myna (*Acridotheres tristis*)".

Magory Cohen, T., Kumar, S., Nair, M., Yagoda, D., Zanzuri, S., & Dor, R. "International Society for Behavioral Ecology", Minneapolis, MN, U.S, August 2018. Title of presentation: "Behavioral traits may enable successful invasion in the invasive common myna".

Magory Cohen, T., Haran, R., & Dor, R. "The 19th Sede Boqer Symposium in Memory of Merav Ziv", Sde Boker, Israel, May 2018. Title of presentation: "Local adaptations in highly connected populations of the Dead Sea Sparrow (*Passer moabiticus*) in Israel".

Magory Cohen, T., Yagoda, D., Davis, L., & Dor, R."54th Annual Conference of Zoology in Israel", Tel Aviv, Israel, December 2017. Title of presentation: "Innovation in a new environment – possible behavioral factors for the successful invasion of the Common Myna (*Acridotheres tristis*) in Israel".

Magory Cohen, T., McKinney, M., Kark, S., & Dor, R. "1st Israeli Conference for Conservation Science", Sde Boker, Israel, April 2017. Title of presentation: "Global Invasion in Progress – the Current and Putative Distribution of the Common Myna".

Magory Cohen, T., & Dor, R. "53rd Annual Conference of Zoology in Israel", Rehovot, Israel, December 2016. Title of poster: "The invasion of the common myna into Israel – contemporary changes in distribution"".

Magory Cohen, T., Narkiss, T., Dolev, A., Ben-Ari, Y., Kronfeld-Schor, N., Guter, A., Saltz, D., & Kahila Bar-Gal, G. "49th Annual Conference of Zoology in Israel", Jerusalem, Israel, December 2012. Title of presentation: "Genetic diversity of the Eurasian otter (*Lutra lutra*) population in Israel".

Magory Cohen, T., Narkiss, T., Dolev, A., Ben-Ari, Y., Kronfeld-Schor, N., Guter, A., Saltz, D., & Kahila Bar-Gal, G. "2nd Student Conference on Conservation Science-New York (SCCS-NY)", New-York, NY, USA, October 2011. Title of presentation: "An ecological and genetic study of Eurasian otters".

Magory Cohen, T., King, R., Boldo, A., & Kahila Bar-Gal, G. "47th Annual Conference of Zoology in Israel", Jerusalem, Israel, December 2010. Title of presentation: "DNA Barcoding of wild mammals in Israel".

SCIENTIFIC EDITING [BOOKS]

Lucy Cooke. 2019. The Unexpected Truth About Animals [Hebrew version]. Transworld Publishers, London. In Israel: Modan Publishers, Ben Shemen.

MEDIA COVERAGE

"Scientists 'solve' the mystery of why women are always colder than men", The Sun [UK]
"Why women are colder than men" - Interview at Today radio program, BBC 4, October 4th 2021 [min 54:17]
"Not only in humans: why are women colder than men?" [Hebrew]
"The invasive birds that make the farmers' life miserable" [Hebrew]
https://13news.co.il/item/programs/the-magazine/episodes/mag010619-261740/ [min 29:45]
"Not a nice bird" [Hebrew]
"Aggressive Bird Launches Hostile Takeover of Israel's Skies"
"An invasive bird is spreading to the Golan Heights and the Arava Valley at the expense of local species" [Hebrew]
"On the fly - invitation, fire, operation" [German]
"The golden poop: the chase after the rare otters" [Hebrew]

SERVICE

Journal Referee for *Scientific Reports*, *Landscape and Urban Planning*, *Biological Invasions*, *Animal Behaviour*, *Ecological Applications, NeoBiota*, *Individual-based Ecology*

Committees College of Biological Sciences Summer Undergraduate Research Program selection committee, UC Davis

Board memberships honorary board member at Instituto de Investigación en Ecología y Conservación (IIECCO), Peru

RELATED SKILLS AND SPECIFIC TRAINING

Birds ringing Permit category C, no. 559