

JULIE TERESA SHAPIRO

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EDUCATION

Harvard University	Romance Languages and Literatures	B.A.	2010
University of Florida	Interdisciplinary Ecology	Ph.D.	2018

APPOINTMENTS

Research Scientist (<i>Chargée de recherche</i>), Anses	2022 - Present
Zuckerman Postdoctoral Fellow, Ben-Gurion University of the Negev	2021 - 2022
Postdoctoral researcher, Centre International de Recherche en Infectiologie, Institute national de la santé et de la recherche médicale	2018 - 2020

PUBLICATIONS - PEER REVIEWED

Steigerwald, E., Ramírez-Castañeda, V., Brandt, D.Y.C., Baldi, A., **Shapiro, J.T.**, Bowker, L., Tarvin, R.D. 2022. Overcoming language barriers in academia: Machine translation tools and a vision for a multilingual future. *BioScience*. 72: 988–998. <https://doi.org/10.1093/biosci/biac062>

Kauffman, K., Werner, C.S., Titcomb, G., Pender, M., Rabezara, J.Y., Herrera, J.P., **Shapiro, J.T.**, Solis, A., Soarimalala, V., Tortosa, P., Kramer, R., Moody, J., Mucha, P.J., Nunn, C. 2022. Comparing transmission potential networks based on social network surveys, close contacts and environmental overlap in rural Madagascar. *Journal of the Royal Society Interface*. 19: 20210690.
<http://doi.org/10.1098/rsif.2021.0690>

Shapiro, J.T., Viquez-R, L., Leopardi, S., Vicente-Santos, A., Mendenhall, I.H., Frick, W.F., Kading, R.C., Medellín, R.A., Racey, P., Kingston, T. 2021. Setting the Terms for Zoonotic Diseases: Effective Communication for Research, Conservation, and Public Policy. *Viruses* 13:1356.
<https://doi.org/10.3390/v13071356>

Shapiro, J.T., Mollerup, S., Jensen, R.H., Olofsson, J.K., Nguyen, N.D., Hansen, T.A., Vinner, L., Monadjem, A., McCleery, R.A., Hansen, A.J. 2021. Metagenomic analysis reveals previously undescribed bat coronavirus strains in Eswatini. *EcoHealth*. 18: 421 – 428.
<https://doi.org/10.1007/s10393-021-01567-3>

Simelane, P., **Shapiro, J.T.**, Mahlaba, T.A.M., McCleery, R.M., MacFadyen D.N., Monadjem, A. 2021. The foraging ecology of Nguni and Brahman cattle under different management systems in high-altitude grasslands of South Africa. *Journal of Rangeland Science*. 11: 300 – 307.
www.rangeland.ir/article_679210.html

Shapiro, J.T., Stanton, R.A., McCleery, R.A., Monadjem, A. 2021. A scale for quantifying behavior based on aggressiveness in bats. *Journal of Bat Research and Conservation* 14: 5 – 13.
<http://dx.doi.org/10.14709/BarbJ.14.1.2021.02>

Lukhele, S.M., **Shapiro, J.T.**, Mahlaba, T.A.M., Sibiya, M.D., McCleery, R.A., Fletcher, R.J., Monadjem, A. 2021. Influence of sugarcane growth stages on bird diversity and community structure in an agricultural-savanna environment. *Heliyon*. 7: e06563. <https://doi.org/10.1016/j.heliyon.2021.e06563>

Monadjem, A., Simelane, F., **Shapiro, J.T.**, Gumbi, B.C., Mamba, M.L., Sibiya, M.D., Lukhele, S., Mahlba, T.A.M. 2021. Using species distribution models to gauge the completeness of the bat checklist of Eswatini. *European Journal of Wildlife Research* 67: 21. <https://doi.org/10.1007/s10344-021-01463-9>

Shapiro, J.T., Leboucher, G., Myard-Dury, A.F., Girardo, P., Luzatti, A., Mary, M., Sauzon, J.F., Lafay, B., Dauwalder, O., Laurent, F., Lina, G., Chidiac, C., Couray-Targe, S., Vandenesch, F., Flandrois, J.P., Rasigade, J.P. 2020. Metapopulation ecology links antibiotic resistance, consumption, and patient transfers in a network of hospital wards. *eLife* 9: e54795. <https://doi.org/10.7554/eLife.54795>

Shapiro, J.T., Sovie, A.R., Faller, C.R., Monadjem, A., Fletcher, R.J., McCleery, R.A. 2020. Ebola spillover correlates with bat diversity. *European Journal of Wildlife Research* 66: 12. <https://doi.org/10.1007/s10344-019-1346-7>

Shapiro, J.T., Monadjem, A., Roder, T., McCleery, R.A. 2020. Response of bat activity to land-cover and land-use change in savannas is scale-, season-, and guild-specific. *Biological Conservation* 241: 108245. <https://doi.org/10.1016/j.biocon.2019.108245>

Monadjem, A., **Shapiro, J.T.**, Richards, L.R., Karabulut, H., Crawley, W., Nielsen, I.B., Hansen, A., Bohmann, K., Mourier, T. 2019. Systematics of West African *Miniopterus* with the description of a new species. *Acta Chiropterologica* 21: 237 – 256. <https://doi.org/10.3161/15081109ACC2019.21.2.001>

Gumbi, B., **Shapiro, J.T.**, Mahlaba, T.A.M., MacFadyen, D., McCleery, R.A., Monadjem A. 2018. Assessing the impacts of domesticated versus wild ungulates on terrestrial small mammal assemblages at Telperion Nature Reserve, South Africa. *African Zoology* 53: 23 – 29. <https://doi.org/10.1080/15627020.2018.1449665>

Bordignon, M.O., **Shapiro, J.T.** 2018. Bat Diversity in the western edge of the Pantanal, Brazil. *Mammalia* 82: 256 – 265. <https://doi.org/10.1515/mammalia-2016-0107>

Simelane, F. N., Mahlaba, T.A. M., **Shapiro, J.T.**, MacFadyen, D., Monadjem, A. 2018. Habitat associations of small mammals in the foothills of the Drakensberg Mountains, South Africa. *Mammalia* 82: 144 – 152. <http://dx.doi.org/10.1515/mammalia-2016-0130>

Lima Junior, M.S.C., Hartkopf, A.C.L., de Souza Tsujisaki, R.A., Teruya Oshiro, E., **Shapiro, J.T.**, Cepa Matos, M.F., Dorval, M.E.C. 2018. Isolation and molecular characterization of *Leishmania infantum* in urine from patients with visceral leishmaniasis in Brazil. *Acta Tropica* 178: 248 – 251. <https://doi.org/10.1016/j.actatropica.2017.12.011>

Stanton, R., **Shapiro, J.T.**, Laskowski, J., McCleery, R.A. 2017. Dynamic figures should be a central feature of scientific articles. *Frontiers in Ecology and the Environment* 15: 427 – 428. <https://doi.org/10.1002/fee.1532>

Monadjem, A., **Shapiro, J.T.**, Mtsetfwa, F., Reside, A.E., McCleery, R.A. 2017. Acoustic call library and detection distances for bats of north-eastern Swaziland. *Acta Chiropterologica* 19: 175 – 187. <http://dx.doi.org/10.3161/15081109ACC2017.19.1.014>

Metzdorf, I.P, Lima Junior, M.S.C., Cepa Matos, M.F., de Souza Filho A.F., de Souza Tsujisaki, R.A., Franco, K.G., **Shapiro, J.T.**, de Almeida Borges, F. 2017. Molecular characterization of *Leishmania infantum* in domestic cats in a region of Brazil endemic for human and canine visceral leishmaniasis. *Acta Tropica* 166: 121 – 125. <http://dx.doi.org/10.1016/j.actatropica.2016.11.013>

Novaes, R.L.M., Souza, R.F., Felix, S., Siqueira, A.C., Laurindo, R.S., **Shapiro, J.T.** 2017. Seasonality and habitat influence on bat assemblage structure in an urban Atlantic Forest remnant from Southeastern Brazil. *Mammalia* 81: 265 – 274. <https://doi.org/10.1515/mammalia-2015-0115>

Shapiro, J.T., Barbier, E., Monadjem, A. 2016. First record of Streblidae, *Raymondia alulata* Speiser (Diptera: Streblidae), in Swaziland and a review of the genus *Raymondia* and their hosts in Africa. *Acta Chiropterologica* 18: 249 – 268. <http://dx.doi.org/10.3161/15081109ACC2016.18.1.015>

Shapiro, J.T., Monadjem A. 2016. Two new bat species for Swaziland and a revised list for the country. *Mammalia*, 80: 353 – 357. <http://dx.doi.org/10.1515/mammalia-2014-0174>

Shapiro, J.T., dos Santos, T.M.R., Marchetti, C.R., Bordignon, M.O. 2015. Characterization of fungi associated with the nasal hairs of Molossid bats (Gervais 1856), Mato Grosso do Sul, Southwest Brazil. *Fungal Ecology* 18:126 -29. <http://dx.doi.org/10.1016/j.funeco.2015.06.005>

Fenesi, A., Vagasi, C.I., Beldean, M., Foldesi, R., Kolcsar, L.P., **Shapiro, J.T.**, Török, E., Kovacs-Hostyanszki, A. 2015. *Solidago canadensis* impacts on native plant and pollinator communities in different-aged old-fields. *Basic and Applied Ecology* 16: 335 – 346. <http://dx.doi.org/10.1016/j.baae.2015.03.003>

Shapiro, J.T., Bordignon, M.O. 2014. Report on the bat (Chiroptera) community in three Cerrado fragments of Mato Grosso do Sul, southwestern Brazil. *Checklist* 10: 1380-1386. <http://dx.doi.org/10.15560/10.6.1380>

Carvalho N.C., Bordignon, M.O, **Shapiro, J.T.** 2014. Fast and furious: a look at the death of animals on the highway MS-080, Southwestern Brazil. *Iheringia Série Zoologia* 104: 43-49. <http://dx.doi.org/10.1590/1678-4766201410414349>

Shapiro, J.T., Baldi, A. 2014. Accurate Accounting: How to Balance Ecosystem Services and Disservices. *Ecosystem Services*. 7: 201-202. <http://dx.doi.org/10.1016/j.ecoser.2014.01.002>

Shapiro, J.T., Lima Junior, M.S.C., Dorval, M.E.C., França, A.O., Matos, M.F.C., Bordignon, M.O. 2013. First record of *Leishmania braziliensis* presence detected in bats, Mato Grosso do Sul, southwest Brazil. *Acta Tropica* 128: 171-174. <http://dx.doi.org/10.1016/j.actatropica.2013.07.004>

dos Santos, T.M.R., **Shapiro, J.T.**, Shibuya, P.S., Aoki, C. 2013. Observation of *Trigona recursa* Smith (Hymenoptera: Apidae) feeding on *Crotalaria micans* Link (Fabaceae: Faboideae) in a Brazilian savanna fragment. *Sociobiology* 60: 210-213. <https://doi.org/10.13102/sociobiology.v60i2.210-213>

Baldi, A., **Shapiro, J.T.** 2013. A reply to Sólymos *et al.* *Frontiers in Ecology and the Environment* 11: 179-180. <http://dx.doi.org/10.1890/13.WB.011>

Shapiro, J.T., Baldi, A. 2012. Lost locations and the (ir) repeatability of ecological studies. *Frontiers in Ecology and the Environment* 10: 235-236. <https://doi.org/10.1890/12.WB.015>

Shapiro, J.T., Pringle, A. 2010. Anthropogenic influences on the diversity of fungi isolated from caves in Kentucky and Tennessee. *American Midland Naturalist* 163: 76-86. <http://dx.doi.org/10.1674/0003-0031-163.1.76>

PREPRINTS (Under Review)

Shapiro, J.T., Zorea, A., Brown Kav, A., Ontiveros, V.J., Mizrahi, I., Pilosof, S. 2022. Multilayer Networks of Plasmid Genetic Similarity Reveal Potential Pathways of Gene Transmission. *bioRxiv*. <https://doi.org/10.1101/2022.09.08.507140>

Rasigade, J.P., Barray, A., **Shapiro, J.T.**, Coquisart, C., Vigouroux, Y., Bal, A., Destras, G., Vanhems, P., Lina, B., Josset, L., Wirth, T. 2020. A viral perspective on worldwide non-pharmaceutical interventions against COVID-19. *medRxiv*. <https://doi.org/10.1101/2020.08.24.20180927>

BOOK CHAPTERS

McCleery, R.A., **Shapiro, J.T.**, Bailey, K., Frazer, T. 2019. Getting involved: advice from students and professionals. *In* International Wildlife: A Global Perspective. Eds. John L. Koprowski, Paul R. Krausman, Dun Wang. Baltimore, MD: Johns Hopkins University Press. <https://tinyurl.com/skkbw5mc>

TECHNICAL REPORTS

Shapiro, J.T., Izdebski, A., Tchouaffe Tchiadje, N., Abd Farag, E., Caron, A., Christie, A., Cunningham, A., Fernandez, M., Jagadesh, S., Lajaunie, C., Turan, H.M., Wall, K. 2022. Eclipse Expert Working Group on Biodiversity and Pandemics Methods Protocol. https://eklipse.eu/wp-content/uploads/website_db/Request/Biodiversity_pandemics/Method_Protocol-Biodiversity_Pandemics-final_reviewed.pdf

IUCN Recommendations to reduce transmission of SARS-CoV-2 from humans to bats:

Frick, W.F., Kingston, K., Leopardi, S., Medellín, R., Mendenhall, I.H., Racey, P., **Shapiro, J.T.**, Vicente-Santos, A., Viquez-R, L., Worledge, L. 2021. IUCN SSC Bat Specialist Group (BSG) recommendations to reduce the risk of transmission of SARS-CoV-2 from humans to bats by cavers Version 2.0 MAP: Minimize, Assess, Protect. https://www.iucnbsg.org/uploads/6/5/0/9/6509077/map_recommendations_cavers_v2_dec_2021.pdf

Kingston, K., Frick, W.F., Kading, R., Leopardi, S., Medellín, R., Mendenhall, I.H., Racey, P., **Shapiro, J.T.**, Vicente-Santos, A., Viquez-R, L., Worledge, L. 2021. IUCN SSC Bat Specialist Group (BSG) Recommended Strategy for Researchers to Reduce the Risk of Transmission of SARS-CoV-2 from Humans to Bats Version 2.0 AMP: Assess, Modify, Protect. https://www.iucnbsg.org/uploads/6/5/0/9/6509077/amp_recommendations_for_researchers_final.pdf

Jolliffe, T., Kepel, A., Kingston, K., Leopardi, S., T., Mclean, J., Mendenhall, I.H., Parsons, S., Russo, D., **Shapiro, J.T.**, Viquez-R, L., Worledge, L. 2021. IUCN SSC Bat Specialist Group (BSG) recommendations to reduce the risk of transmission of SARS CoV-2 from humans to bats in bat rescue and rehabilitation centers Version 2.0 MAP: Minimize Assess, Protect. https://www.iucnbsg.org/uploads/6/5/0/9/6509077/map_recommendations_for_rehabbers_30_june_2021_1_.pdf

Gómez Estrada, L.B., Kading, R., Kingston, T., Mandl, I., Medellín, R., Parsons, S., Russo, D., **Shapiro, J.T.**, Tec Pool, F., Tiburcio Sánchez, I., Vicente-Santos, A., Worledge, L. 2020. IUCN SSC Bat Specialist Group (BSG) recommendations to reduce the risk of transmission of SARS-CoV-2 from humans to bats by cavers. IUCN Bat Specialist Group. *Archived, available on request*

Jolliffe, T., Kepel, A., Kingston, T., Mclean, J., Parsons, S., Russo, D., **Shapiro, J.T.**, Worledge, L. IUCN SSC Bat Specialist Group (BSG) recommendations to reduce the risk of transmission of SARS CoV-2 from humans to bats in bat rescue and rehabilitation centers. 2020. *Archived, available on request*

Botto Nuñez, G., Cunningham, A., Bakwo Fils, E.M., Frick, W., Islam, N., Jolliffe, T., Kading, R., Kepel, A., Kingston, T., Leopardi, S., Medellín, R., Mendenhall, I., Parsons, S., Racey, P., Russo, D., **Shapiro, J.T.**, Vicente-Santos, A., Viquez-R, L., Dinh, T.V. 2020. IUCN SSC Bat Specialist Group (BSG) Recommended Strategy for Researchers to Reduce the Risk of Transmission of SARS-CoV-2 from Humans to Bats. https://www.iucnbsg.org/uploads/6/5/0/9/6509077/iucn_map_recommendations_for_researchers_v.1.0_final.pdf

IUCN RedList Species Accounts:

Shapiro, J.T., Cooper-Bohannon, R., Jacobs, D., Cotterill, F.P.D., Taylor, P.J. 2020. *Rhinolophus deckenii*. *The IUCN Red List of Threatened Species* 2020: e.T19537A21979537. <https://dx.doi.org/10.2305/IUCN.UK.2020-2.RLTS.T19537A21979537.en>

Shapiro, J.T., Cooper-Bohannon, R. 2020. *Rhinolophus guineensis*. *The IUCN Red List of Threatened Species* 2020: e.T19542A21980043.
<https://dx.doi.org/10.2305/IUCN.UK.2020-2.RLTS.T19542A21980043.en>

Shapiro, J.T., Cooper-Bohannon, R. and Fahr, J. 2019. *Rhinolophus maclaudi*. *The IUCN Red List of Threatened Species* 2019: e.T19549A21978925.
<https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T19549A21978925.en>

Shapiro, J.T. 2017. *Mops bakarii*. *The IUCN Red List of Threatened Species* 2017: e.T67363010A67363012. <http://dx.doi.org/10.2305/IUCN.UK.2017-2.RLTS.T67363010A67363012.en>

Monadjem, A., **Shapiro, J.T.** 2017. *Hipposideros tephros*. *The IUCN Red List of Threatened Species* 2017: e.T85646524A85646528.
<http://dx.doi.org/10.2305/IUCN.UK.2017-2.RLTS.T85646524A85646528.en>

Monadjem, A., **Shapiro, J.T.** 2017. *Triaenops afer*. *The IUCN Red List of Threatened Species* 2017: e.T81081036A95642225. <http://dx.doi.org/10.2305/IUCN.UK.2017-2.RLTS.T81081036A95642225.en>

POPULAR MEDIA / BLOG ARTICLES

Fanaian, S., Peralta, D., **Shapiro, J.T.**, Owens, K., Tarvin, R., Iturralde-Pólit, P. 2022. Removing language barriers for better science. *Global Development Blog*.
<https://www.globaldev.blog/blog/removing-language-barriers-better-science>

Shapiro, J.T., Lankester, M.C. 2021. Protéger les chauves-souris cavernicoles. *Spelunca Magazine*. 161: 62 - 63.

Shapiro, J.T. 2018. Anders Hansen – From Ancient DNA to Zoonotic Diseases. *University of Florida Biodiversity Institute Blog*.
<https://biodiversity.research.ufl.edu/anders-hansen-from-ancient-dna-to-zoonotic-diseases/>

Shapiro, J.T. 2018. What are coronaviruses? *University of Florida Biodiversity Institute Blog*.
<https://biodiversity.research.ufl.edu/what-are-coronaviruses/>

FELLOWSHIPS, SCHOLARSHIPS, AWARDS

2020 – present	Zuckerman Postdoctoral Fellowship
2020	Israel Academy of Sciences and Humanities Postdoctoral Fellowship (declined)
summer 2018	University of Florida Biodiversity Institute Fellowship
2013 – 2018	National Science Foundation Graduate Research Fellowship Program fellow
2012	Fulbright student scholarship, Brazil

RESEARCH GRANTS

2016 / 2017 2014, 2015,	National Science Foundation Global Research Opportunities Worldwide (NSF-GROW), University of Copenhagen, Denmark
2016 / 2017	American Scandinavian Foundation Fellowship, Amanda Roleson Fund
2016	The Explorers Club Exploration Fund – Mamont Scholar's Program

2014 / 2015	National Geographic Young Explorers Grant
2015	Digital Global High Resolution Imagery Grant
2014	Bat Conservation International Student Research Grant
2010	Harvard David Rockefeller Center for Latin American Studies Term-time Research Travel Grant
2007 – 2009	Harvard College Research Program grantee
2009	Harvard Booth Fellowship
2008	Harvard Office of International Programs Summer Research Grant
2007, 2008	Harvard University Center for the Environment Undergraduate Summer Research Grant
2007	Harvard Museum of Comparative Zoology Grants for Undergraduate Research
2007	Harvard Herschel Smith Summer Undergraduate Research Fund

TRAVEL GRANTS:

2019	Société Française de Microbiologie National Conference Travel Award
2019	ECCMID Young Investigator Travel Grant

INVITED CONFERENCE PRESENTATIONS

Shapiro, J.T., Leboucher, G., Myard-Dury, A.F., Girardo, P., Luzatti, A., Mary, M., Sauzon, J.F., Lafay, B., Dauwalder, O., Laurent, F., Lina, G., Chidiac, C., Couray-Targe, S., Vandenesch, F., Flandrois, J.P., Rasigade, J.P. 2019. Metapopulation ecology links antibiotic resistance, consumption and patient transfers in a network of hospital wards. EJP OneHealth Final School. *Invited oral presentation*. 7 December 2022.

Shapiro, J.T., Viquez-R, L., Leopardi, S., Vicente-Santos, A., Mendenhall, I.H., Frick, W.F., Kading, R.C., Medellín, R.A., Racey, P., Kingston, T. Setting the Terms for Zoonotic Diseases: Effective Communication for Research, Conservation, and Public Policy. EJP OneHealth Final School. *Invited oral presentation*. 5 December 2022.

Shapiro, J.T., Viquez-R, L., Leopardi, S., Vicente-Santos, A., Mendenhall, I.H., Frick, W.F., Kading, R.C., Medellín, R.A., Racey, P., Kingston, T. Setting the Terms for Zoonotic Diseases: Effective Communication for Research, Conservation, and Public Policy. Northeast Bat Working Group Conference. *Invited oral presentation*. 14 January 2022.

Shapiro, J.T. Bats and their pathogens: How worried should we be? *Invited keynote*. Student Conference on Conservation Science. Tihány, Hungary. 26 August 2020.

CONFERENCE PRESENTATIONS

Shapiro, J.T., Zorea, A., Brown Kav, A., Ontiveros, V.J., Mizrahi, I., Pilosof, S. Multilayer Networks of Plasmid Genetic Similarity Reveal Potential Pathways of Gene Transmission. G-RREMI 2022. Lyon, France. 16 November 2022. Oral presentation.

Shapiro, J.T., Viquez-R, L., Leopardi, S., Vicente-Santos, A., Mendenhall, I.H., Frick, W.F., Kading, R.C., Medellín, R.A., Racey, P., Kingston, T. Setting the Terms for Zoonotic Diseases: Effective Communication for Research, Conservation, and Public Policy. European Congress of Clinical Microbiology & Infectious Diseases. Hybrid Lisbon, Portugal / Virtual. 25 April 2022. Oral presentation.

Shapiro, J.T., Viquez-R, L., Leopardi, S., Vicente-Santos, A., Mendenhall, I.H., Frick, W.F., Kading, R.C., Medellín, R.A., Racey, P., Kingston, T. Setting the Terms for Zoonotic Diseases: Effective Communication for Research, Conservation, and Public Policy. Joint Conference of the European Wildlife Disease Association and Wildlife Disease Association. Virtual. 31 August 2021. Oral presentation.

Shapiro, J.T., Stanton, R.A., McCleery, R.A., Monadjem, A. 2021. A scale for quantifying behavior based on aggressiveness in bats. Animal Behavior Society 2021. Virtual. 5 August 2021. Oral presentation.

Shapiro, J.T., Viquez-R, L., Leopardi, S., Vicente-Santos, A., Mendenhall, I.H., Frick, W.F., Kading, R.C., Medellín, R.A., Racey, P., Kingston, T. Setting the Terms for Zoonotic Diseases: Effective Communication for Research, Conservation, and Public Policy. 18th Ecology and Evolution of Infectious Diseases Conference. Online. 17 June 2021. Poster presentation.

Shapiro, J.T., Leboucher, G., Myard-Dury, A.F., Girardo, P., Luzzatti, A., Mary, M., Sauzon, J.F., Lafay, B., Dauwalder, O., Laurent, F., Lina, G., Chidiac, C., Couray-Targe, S., Vandenesch, F., Flandrois, J.P., Rasigade, J.P. 2019. Metapopulation ecology links antibiotic resistance, consumption and patient transfers in a network of hospital wards. Microbes: National Conference of the Société Française de Microbiologie. Paris, France. 1 October 2019. Oral presentation.

Shapiro, J.T., G. Leboucher, A. Luzzatti, B. Lafay, J.F. Sauzon, O. Dauwalder, P. Girardo, C. Chidiac, J.P. Flandrois, J.P. Rasigade. Quantifying the drivers of antimicrobial resistance in a large hospital group: A metapopulation approach. Modeling in Ecology and Evolution Zurich. Zurich, Switzerland. 27 June 2019. Poster presentation.

Shapiro, J.T., G. Leboucher, A. Luzzatti, B. Lafay, J.F. Sauzon, O. Dauwalder, P. Girardo, C. Chidiac, J.P. Flandrois, J.P. Rasigade. Quantifying the drivers of antimicrobial resistance in a large hospital group: A metapopulation approach. European Congress of Clinical Microbiology & Infectious Diseases. Amsterdam, Netherlands. 16 April 2019. Poster presentation.

Shapiro, J.T., G. Leboucher, A. Luzzatti, B. Lafay, J.F. Sauzon, O. Dauwalder, P. Girardo, C. Chidiac, J.P. Flandrois, J.P. Rasigade. Quantifying the drivers of antimicrobial resistance in a large hospital group: A metapopulation approach. EcoFect Workshop: Evolution of infectious diseases: connecting ecological, molecular and computational approaches. 15 March 2019. Oral presentation.

Shapiro, J.T., C. Barnes, I.B. Nielsen, L. Rasmussen, A. Monadjem, R.A. McCleery, A.J. Hansen. Bats and Their Bacteria in a Changing Savanna Landscape. Young Natural History Scientists Meeting. Paris, France. 13 March 2019. Oral presentation.

Shapiro, J.T., C. Barnes, I.B. Nielsen, L. Rasmussen, A. Monadjem, R.A. McCleery, A.J. Hansen. The effects of land-use on bacterial diversity and community in bats. University of Florida Graduate Student Research Day. Gainesville, FL. 3 April 2018. Poster presentation.

Shapiro, J.T., R.J. Holmes, N. Nguyen, T.A. Hansen, A. Monadjem, R.A. McCleery, A.J. Hansen. Pathogen Detection in Bats of Swaziland. International Bat Research Conference, 2016. Durban, South Africa.

Shapiro, J.T., R.J. Holmes, N. Nguyen, T.A. Hansen, A. Monadjem, R.A. McCleery, A.J. Hansen. Pathogen Detection in Bats of Swaziland. First Annual Symposium of Biodiversity in Swaziland. 25 July 2016.

PUBLIC / INVITED TALKS

“Setting the Terms for Zoonotic Diseases: Effective Communication for Research, Conservation, and Public Policy.” Western-Asia Bat Network Annual Workshop. Virtual. 8 December 2021.

“Field Hygiene: Keeping Wildlife and People Safe.” Explorer Take-Over Session, National Geographic Explorer’s Festival. Virtual. 18 June 2021. (With Tigga Kingston)

“Forum on Mitigating Human-wildlife Transmission of SARS-CoV-2: Bat Specialist Group Guidelines for Diverse Stakeholders.” IUCN Forum. 8 June 2021. (With Tigga Kingston)

“Forum on Mitigating Human-wildlife Transmission of SARS-CoV-2: Bat Specialist Group Guidelines for Diverse Stakeholders.” IUCN Forum. 14 June 2021. (With Tigga Kingston)

“From Bats to Antibiotic Resistance: How Ecology Can Help Us Understand a Changing World.” Brookline Adult and Community Education. 23 September 2020.

<https://www.youtube.com/watch?v=naTceMgGwY4&t=2981s>

“Qu'est-ce que l'écologie nous apprend sur la résistance aux antibiotiques?” Lyon Data Science. 4 June 2019

“Bats in a Mosaic Landscape.” FOR3153C, Forest Ecology (undergraduate course). Nov. 2016

“Landscape Ecology of Bats in Swaziland.” University of Florida in Swaziland field course. May 2016

“Future of Savanna Bats.” Guest Lecture, University of Alberta Field Course. December 2015; March 2016

“Bats in a Mosaic Landscape.” Fireside Talk (Public). Mbuluzi Game Reserve. December 2015

SUPERVISION AND MENTORING

Undergraduate students:

2020/2021	Itai Fein, Ben-Gurion University of the Negev Project: Network analysis of plasmids from cow rumens
May – Aug. 2018	José Cordero, University of Florida, summer 2018 Project: Sorting and analysis of acoustic bat data
June – Aug. 2017	Hatice Karabulut, Middle East Technical University (Turkey) at the University of Copenhagen Project: Meta-barcoding and Sanger sequencing bat samples
2015/2016	Nomzamo Wanambisi, University of Eswatini Project: Variation in insect abundance and diversity across land-cover types

TEACHING

3 Nov. 2022	From bats to antibiotic resistance: OneHealth ecology in a changing world, guest lecture for OneHealth Masters, VetAgro Sup - ENSV-FVI, Marcy-l'Etoile, France
8 Oct. 2021	Scientific Writing, guest lecture for African Leadership University, Kigali, Rwanda
27 Aug. 2020	Scientific Writing Workshop, Student Conference on Conservation Science, Tihány, Hungary.

26 – 29 Nov. 2019	License Professionnel: UE Qualité et analyse de données, Université de Lyon Claude Bernard Designed and taught practical laboratory seminar (travaux dirigés) for introductory statistics and R programming
Fall 2016	Teaching Assistant for Landscape Ecology, Graduate Section, University of Florida
20 – 21 Oct. 2016	Wildlife Techniques Field Methods, University of Florida Instructed undergraduate students in trapping and handling bats during Ordway-Swisher field trip
May – Jun. 2016	Introduction to researching bats for University of Florida in Eswatini field course Instructed students in trapping, acoustic monitoring, and basic analysis of acoustic data
Spring 2016	Master's Seminar, University of Eswatini Assisted with and led discussions, led classes focused on scientific writing, mentored students, assisted students in writing scientific articles.

OUTREACH ACTIVITIES

2018 – present	Skype A Scientist, 2 – 4 presentations for school classes per semester
2020 – present	Comptoir des Sciences virtual presentations for school classes in France
2019 – present	Déclics, Ambassadeur, in-person and virtual outreach with high school classes in France
2019 – 2020	DéMesures, Member, outreach activities, presentations, participation in public science events in Lyon, France
2016 – 2018	University of Florida Natural Resources Diversity Initiative Advisory board, planned and organized outreach activities in Gainesville, FL
2013 – 2015	University of Florida Natural Resources Diversity Initiative member, participated in outreach activities in Gainesville, FL.
2013 – 2018	Gator handler for education and outreach (trained by Florida Wildlife Commission)
2017	Editor, Op-Ed Project: Building a Better Society Through Science
2012 – 2014	Science outreach in Brockton, MA
2012 – 2014	Fulbright Program presentations

PROFESSIONAL SERVICE ACTIVITIES

2022 – Present	Eclipse Expert Working Group on Biodiversity and Pandemics
2021 – Present	Mentor for EEB Mentor Match Program

2021 – Present	IUCN Bat Specialist Group webmaster
2021	Global Bat Network student scholarship committee
2020 – Present	IUCN Bat Specialist Group OneHealth Working Group
2020 – Present	National Geographic Early Career Grant reviewer
2013 – 2018	Organizer University of Florida Natural Resources in Africa Working Group
Peer reviewer for:	<i>Ecography, PLoS One; Journal of Microbiology, Immunology, and Infection; Ecosystem Services; Biological Conservation; Acta Chiropterologica; Mammalia; African Journal of Zoology; Natural Areas Journal; Journal of Bat Research and Conservation (Barbastella); Caribbean Naturalist</i>

PROFESSIONAL ORGANIZATION MEMBERSHIP

IUCN Bat Specialist Group Member

RELEVANT WORK EXPERIENCE

Feb. 2017	Consultant for ArcelorMittal Liberia Bat Mitigation project
Sep. 2011 – Feb. 2012 May – Aug. 2013	Science researcher, writer, and editor, Hungarian Academic of Sciences, Budapest, Hungary
Jun. – Sep. 2010	Field and laboratory technician, Ben-Gurion University of the Negev, Sde Boker, Israel
Jan. 2007 – Apr. 2009	Undergraduate researcher, Pringle Lab, Harvard University, Cambridge, MA
Jun. – Aug. 2006	Intern, Oregon Bureau of Land Management, Lakeview, OR
Jul. – Aug. 2005	Intern, Science and Resource Management, Mammoth Cave National Park, KY

PROFICIENCIES/TRAININGS

- Programming in R
- Remote Sensing
- Geographic Information Systems
- Certificate of Proficiency in Portuguese Language (*Certificado de Proficiência em Língua Portuguesa para Estrangeiros*), Brazilian Ministry of Education
- Fluency in French, Portuguese; advanced Spanish, Hebrew, Hungarian

OTHER WORK EXPERIENCE

Feb. – Apr. 2013	Canvasser, Next Step Living, Boston, MA
Jan. 2009 – May 2010 Jun. – Aug. 2011	Cataloging assistant, Judaica Division, Widener Library, Harvard University, Cambridge, MA
Sep. 2007 – Jan. 2008	Barista, LISE Café, Cambridge, MA

Sep. 2006 – Jan. 2007

Fitness staff, Hemenway Gym, Cambridge, MA