

# Prof. Dr. Mark E. Hauber

## Personal Details

---

Professor, Department of Evolution, Ecology, and Behavior  
School of Integrative Biology, University of Illinois

Urbana-Champaign, IL 61801

Tel.: +1/917-455-2607

E-mail: [mhauber@illinois.edu](mailto:mhauber@illinois.edu)

<http://www.cowbirdlab.org>

## Professional Preparation

---

Yale University, New Haven	Biology & Organismal Biology	B.Sc. <i>summa cum laude</i> , 1996
Cornell University, Ithaca	Neurobiology & Behavior	Ph.D., 2002
University of California, Berkeley	Integrative Biology	Miller Research Fellow: 2002 – 2005
University of Auckland	Biological Sciences	D.Sc., 2010

## Appointments

---

2017-Present	Harley Jones Van Cleave Professor of Host-Parasite Interactions (tenured), Department of Evolution, Ecology, and Behavior, University of Illinois, Urbana-Champaign
2009-2017	Associate Professor (tenure track)/Professor (tenured), Department of Psychology, Hunter College of the City University of New York
2004-2009	Lecturer/Senior Lecturer (permanent contract)/Associate Professor, School of Biological Sciences, University of Auckland, New Zealand

## Products: Total Peer Reviewed Publications: 300+

---

*Five products most closely related to the proposed project* (\*: mentored students and/or postdocs):

Winnicki SK\*, Strausberger BM, Antonson ND\*, Burhans DE, Lock J\*, Kilpatrik AM, **Hauber ME** (resubmitted). Developmental asynchrony and host species identity predict variability in nestling growth rates of an obligate brood parasite: a test of the "growth-tuning" hypothesis. *Canadian Journal of Zoology* 99(3):213-220.

Antonson N\*, **Hauber ME** (2021). Ch. 50: Conflict and Violence in Avian Siblings: A Natural History Perspective. In Shackelford TK (ed.) *The SAGE Handbook of Domestic Violence*. Sage Press, Thousand Oaks, USA pp. 822-838.

Antonson ND\*, Rubenstein DR, **Hauber ME**, Botero CA (2020). Ecological uncertainty favours the diversification of host use in avian brood parasites. *Nature Communications* 11: 4185.

Antonson ND\*, **Hauber ME**, Mommer BC, Hoover JP, Schelsky WM (2020). Physiological responses of host parents to rearing an avian brood parasite: An experimental study. *Hormones and Behavior* 125: 104812.

Kilner RM, Madden JR, **Hauber ME**. (2004). Brood parasitic cowbird nestlings use host young to procure resources. *Science* 305: 877-879.

*Five other significant products:*

Feng S, Stiller J, Deng Y, Armstrong J, Fang Q, Reeve AH, Xie D, Chen G, Guo C, Faircloth BC, Petersen B, Wang Z, Zhou Q, Diekhans M, Chen W, Andreu-Sanchez S, Margaryan A, Howard JT, Parent C, Pacheco G, Sinding M-HS, Puetz L, Cavill E, Ribeiro AM, Eckhart L, Fjeldsa J, Hosner PA, Brumfield RT, Christidis L, Bertelsen MF, Sicheritz-Ponten T, Tietze DT, Robertson BC, Song G, Borgia G, Claramunt S, Lovette IJ, Cowen SJ, Njoroge P, Dumbacher JP, Ryder OA, Fuchs J, Bunce M, Burt DW, Cracraft J, Meng G, Hackett SJ, Ryan PG, Jonsson KA, Jamieson IG, da Fonseca RR, Braun EL, Houde P, Mirarab S, Suh A, Stervander M, Hansson B, Sigeman H, Ponnikas S, Sigeman H, Stervander M, Frandsen PB, van der Zwan H, van der Sluis R, Visser C, Balakrishnan C, Clark AG, Fitzpatrick JW, Bowman R, Chen N, Cloutier A, Sackton TB, Edwards SV, Foote DJ, Shakya S, Sheldon FH, Vignal A, Soares AER, Shapiro B, Gonzalez-Solis J, Ferrer-Obiol J, Rozas J, Riutort M, Tigano A, Friesen V, Dalen L, Urrutia AO, Szekely T, Liu Y, Campana MG, Corvelo A, Fleischer RC, Rutherford KM, Gemmell NJ, Dussex N, Mouritsen H, Thiele N, Delmore K, Liedvogel M, Franke A, Hoppner MP, Krone O, Fudickar AM, Mila B, Ketterson ED, Fidler AE, Friis G, Parody-Merino AM, Battley PF, Cox MP, Lima NCB, Prosdocimi F, Parchman TL, Schlinger BA, Loiselle BA, Blake JG, Lim HC, Day LB, Fuxjager MJ, Baldwin MW, Braun MJ, Wirthlin M, Dikow RB, Ryder TB, Camenisch G, Keller LF, DaCosta JM, **Hauber ME**, Louder MIM\*, Witt CC, McGuire JA, Mudge J, Megna LC, Carling MD, Wang B, Taylor SA, Del-Rio G, Aleixo A, Vasconcelos ATR, Mello CV, Weir JT, Haussler D, Li Q, Yang H, Wang J, Lei F, Rahbek C, Gilbert MTP, Graves GR, Jarvis ED, Paten B, Zhang G (2020). Dense sampling of bird diversity increases power of comparative genomics. *Nature* 587(7833):252-257.

Abolins-Abols M\*, **Hauber ME** (2020). Endocrine regulation of egg rejection in an avian brood parasite host. *Biology Letters* 16: 20200225.

Louder MIM\*, Balakrishnan CN, Louder ANA\*, Driver RJ, London SE, **Hauber ME** (2019). An acoustic password enhances auditory learning in juvenile brood parasitic cowbirds. *Current Biology* 29:4045-4051.

Scharf HM\*, Stenstrom K\*, Dainson M\*, Benson TJ, Fernandez-Juricic E, **Hauber ME** (2019). Mimicry-dependent lateralization in the visual inspection of foreign eggs by American robins. *Biology Letters* 15:20190351.

Abolins-Abols M\*, **Hauber ME** (2018). Host defenses against avian brood parasitism: an endocrine perspective. *Proceedings of the Royal Society of London B*. 285:20180980

## Synergistic Activities

---

1. Editor-in-Chief of *The Auk: Ornithological Advances* (2013-2018), Editor: *Ethology* (2010-2015) and *Behavioral Ecology* (2005-2010).
2. Broadening the participation of underrepresented students in science (20+ women, 10+ underrepresented minority, and 6+ LGBTQ students) in my laboratory.
3. Public press coverage through several National Public Radio, BBC, New York Times, Audubon Magazine, and National Geographic Interviews.
4. Development of research tools: WhatISee application.
5. Book author for lay-person audience: *The Book of Eggs* (2014: University of Chicago Press).