

David Charles Morimoto

Born: 18 October 1958

Work: Lesley University
1815 Massachusetts Avenue
Cambridge, MA 02138
Phone: (617) 349-8226

Curriculum Vitae

Email: morimoto@lesley.edu

Home: 66 Willow Street
Quincy, MA 02170
(617) 481-9739
(617) 710-6177

Positions Held

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|---|--------------|
| Division Director, Natural Science and Mathematics, Lesley University | 2006-present |
| Program Director, Natural Sciences and Mathematics, Lesley University | 2002-2005 |
| Vice President, Executive Search Associates | 1999-2001 |
| Associate Professor of Biology, Regis College | 1994-2002 |
| Chairperson, Biology Department, Regis College | 1997-2000 |
| Assistant Professor of Biology, Regis College | 1990-1994 |
| Visiting Assistant Professor of Biology, Regis College | 1988-1990 |

Principal Fields of Study

Conservation Biology, Urban Ecology, Avian Ecology, Landscape Ecology, Natural History

Education

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| B.S. Biology, <i>magna cum laude</i> , Stonehill College | 1980 |
| M.A. Biology, Boston University, GPA 4.00 | 1984 |
| PhD, Biology, Boston University, GPA 4.00 | 1989 |

Grants

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| Faculty Travel Grant, Ford Foundation sponsored internationalization initiative at Lesley University | 2008 |
| William Blake Fund Grant, Nuttall Ornithological Club: Project Guyana | 2007 |
| UDAG Area 4 grant: An Area 4 Nature Project | 2007 |
| Lesley University Faculty Development Grant: Project Guyana | 2007 |
| William Blake Fund Grant, Nuttall Ornithological Club: Project Guyana | 2006 |
| SENCER funding for SENCER Summer Institute, San Jose, CA | 2006 |
| NLT Foundation Grant (with Development Office) | 2005 |
| SENCER grant, SENCER Institute | 2004 |
| Lesley University Faculty Development (2)/Academic Technology Grant (1) | 2003, 2005 |
| William Blake Fund Grant, Nuttall Ornithological Club | 2002 |
| Virginia Pine Kaneb Faculty Scholar Grant, Regis College | 2001 |
| Virginia Pine Kaneb Faculty Scholar Grant, Regis College | 1998 |
| William Blake Fund Grant, Nuttall Ornithological Club | 1996 |
| Faculty Development Grants (6), Regis College | 1989-1997 |
| Bahamian Field Station Grant, Biology Instructor Workshop, San Salvador, Bahamas | 1993 |
| Boston University Graduate Student Research Awards | 1986, 1987 |
| Sigma Xi Society Grant in Aid of Research | 1987 |
| Thornton W. Burgess Society Research Grant | 1986 |
| Frank M. Chapman Memorial Fund Grants, American Museum of Natural History | 1985, 1986 |
| E. Alexander Bergstrom Memorial Research Fund Award, Association of Field Ornithologists | 1986 |
| National Science Foundation Grant for the Improvement of Doctoral Dissertation Research | 1983 |
| Sigma Xi Society (BU Chapter), Research Grant | 1982 |

Professional Meetings Attended (24 meetings since 1990, with papers or poster presentations at 16 meetings)

Some recent meetings attended:

1996 Ecological Society of America /Society for Conservation Biology, Providence, RI (poster)
1997 Animal Behavior Society, College Park, MD (poster)
1998 Society for Conservation Biology, Sydney, Australia
1998 International Ornithological Congress, Durban, South Africa
2003 International Convention on Environment and Development, Havana, Cuba

Some recent meetings attended (continued):

(Invited Speech at the First Cuba-US Exchange on the Environment)
2004 Massachusetts Association of Conservation Commissioners Invasive Plant workshop
2004 XI Congresso Brasileiro de Ornitologia (2 invited presentations, Blumenau, Santa Catarina, Brazil)
2005 91st AACU Annual Meeting, Providence, RI (poster)
2004, 2005, 2006 SENCER Summer Institute, San Jose, CA (team leader; posters in 2005 and 2006)
2005 National Science Foundation Grant Workshop, FL
2006 Classification of Natural Communities Symposium, Stonehill College, MA
2006 Harvard Symposium on Technology in Undergraduate Science Education
2007 93rd AACU Annual Meeting (presentation), New Orleans, LA
2007 The Great Turning (workshop): workshop accepted, conference not attended, NH
2007 Connecting Children and Nature: Exploring New Avenues for Education, Wheelock College, MA

Active Professional Memberships

Society for Conservation Biology
Nuttall Ornithological Club
AAAS
New England Chapter, Society for Conservation Biology

Invited Lectures and Workshops

Presentation of an interview with Ernst Mayr, XII Congresso Brasileiro de Ornitologia, Blumenau, Santa Catarina, Brazil, November 2004
Presentation on forest fragmentation research, XII Congresso Brasileiro de Ornitologia, Blumenau, Santa Catarina, Brazil, November 2004
18 presentations since 1988, chiefly for educational institutions (elementary to undergraduate) and local community organizations.
4 consecutive years of week long tropical rain forest workshops with USA-based Children's Environmental Trust Foundation, International, in the Peruvian Amazon (1997-2000)
Presentation on tropical rain forests, Cape Cod Audubon (2002)

Committees

Lesley: Search Committee VP Advancement; Faculty Life and Development Committee; Lesley College Leadership Team; Area 4 Lesley University Partnership; Curriculum Committee; Liberal Arts Council; Human Subjects Review Committee; ad hoc Graduate Science Committee; General Education Assessment Group; Graduate Liberal Arts Council; several Search Committees; Sustainability Task Force and Steering Committee; STEM working group; Science Laboratory Facilities group meetings.

Advisory Task Force, Friends of Alewife Reservation (2007-present)
Advisory Board, MassBay Community College Environmental Science and Occupational Safety Program (2006-present)
New England Chapter of the Society for Conservation Biology Education Chair (Board), (2002-2007)
Urban Ecology Institute Advisory Board (2006-present)
Marine Studies Consortium Executive Board (2004-present)
Restoration Advisory Board, Weymouth Naval Air Station (2001-2002)
Scientific Advisor, Science Quest (2002-2003)
Scientific Advisor, Arabella Adventures (ecological travel; 2001-2002)
Blake Fund Grant Review Committee, Nuttall Ornithological Club (2003-2004; 2007-present)
Regis College: Faculty Council; Cultural Committee (Chair, 3 years); Educational Policy and Curriculum Committee (6 years, Chair for 1 year); Admissions Committee (3 years); Recycling Committee (3 years)
Blue Ribbon Science Study Committee, Weymouth School Department (1 year)

Committees (continued)

Science Research Committee, Thornton W. Burgess Society (3 years)
 Webhood.com, Board member (1999-2000)

Natural History Travel

Extensive explorations in North America (northeast, southeast, west)

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| Belize (2 times) | Brazil (8 times) | Australia | Hawaiian Islands |
| Guatemala | Peru (8 times) | South Africa | Bahamas |
| Panama | Ecuador (2 times) | Canary Islands | Cuba (2 times) |
| Guyana (2 times) | | | |

Other Activities

Doctoral Dissertation Committee member for John Cigliano, Boston University, 1994
 Reviewer, National Science Foundation Grants, 1995-present
 Reviewer, Journal of Field Ornithology
 Reviewer, Wilson Bulletin
 Reviewer, "A Field Guide to Western Forests", by John Kricher, Houghton-Mifflin, 1991
 Reviewer, "Biology", by Peter Raven and George Johnson, Wm. C. Brown
 Regional Organizer, Committee for a National Institute for the Environment, 1991-1993
 Ecologist Team Leader, Institute for Teacher Development through Ecology (TERC), 1994-1995
 Program Reviewer, undergraduate science program (curriculum, pedagogy, faculty and staff resources, budget, facilities, administrative support), Lesley University, 2002
 Program Committee, Kelmscott Rare Breeds Foundation Symposium: Agriculture and Environment: Common Ground, 2002
 Educational travel: lectures, trips, Arabella Adventures 2002
 Participated in Planetwalk Cuba 2003
 Reviewer, Biological Conservation, 2005

Research Experience

M.A. Research: Radionuclide Dynamics in Meadow Voles, *Microtus pennsylvanicus*

PhD Research: Avian Community Ecology in the Southeastern Massachusetts Pine Barrens

Recent Research: A Multiscale Study of Breeding Birds in a Forested Suburban Landscape;

Surveys of birds in Iquaçú National Park and Mata Atlantica, Parana, Brazil, with Fernando Costa Straube and Alberto Urben-Filho; Urban ecology research on invasive plant species and rats (with students); Parrot surveys in southern Guyana (with Michael Schindlinger and Foster Parrots)

Current Funding:

Project Guyana (2 grants: 2006, 2007), funded by the Nuttall Ornithological Club, in a grant submitted by Foster Parrots, and by a Lesley University Faculty Development Grant (with Michael Schindlinger)
 An Area 4 Nature Project, funded by UDAG (through the City of Cambridge) and Area 4 Ford Foundation-supported Faculty Travel Grant for internationalization of Lesley

Publications

Levy, C. K., **Morimoto, D. C.**, and R. H. Tamarin. 1983. Metabolism of gamma-emitting radionuclides by non-pregnant, pregnant, and lactating meadow voles in the field and laboratory. Health Physics, 45: 201. ABSTRACT

Morimoto, D. C., Tamarin, R. H., and C. K. Levy. 1985. Whole-body biological elimination rates

Publications (continued)

- of gamma-emitting radionuclides in captive meadow voles, *Microtus pennsylvanicus*.
Health Physics, 49: 1217-1228.
- Levy, C. K., **Morimoto, D. C.**, and R. H. Tamarin. 1987. The elimination of ¹³¹I in meadow voles, *Microtus pennsylvanicus*, measured by whole-body gamma spectrometry.
Health Physics, 52: 481-483.
- Morimoto, D. C.** 1987. Adaptive Radiation: The Chordates. pp. 175-224 in: Principles of Biology I: Laboratory Manual. E. Godrick, editor. Ginn Press, MA. (7 editions, 1987-1993)
- Morimoto, D. C.**, and F. E. Wasserman. 1991. Dispersion patterns and habitat associations of Rufous-sided Towhees, Common Yellowthroats, and Prairie Warblers in the southeastern Massachusetts pine barrens. Auk, 108: 264-277.
- Morimoto, D. C.**, and F. E. Wasserman. 1991. Intersexual differences in the foraging behavior of three common pine barrens birds. Journal of Field Ornithology, 62: 436-449.
- Morimoto, D. C.** 1992. Oak-Hickory Northern Hardwoods Transition Forest. Journal of Field Ornithology, 63 (supplement): 42-43. (1991 field data, part of national breeding bird census)
- Morimoto, D. C.** 1992. Anything but barren: the search for patterns in the breeding bird community of the Massachusetts pine barrens. Bird Observer, 20: 77-82.
- Morimoto, D. C.** 1992. Anything but barren: the search for patterns continues. Bird Observer, 20: 141-145.
- Wasserman, F. E., Hersek, M. J., Frankel, M. A., Cigliano, J. C., **Morimoto, D. C.**, and J. Moran. 1998. Evolutionary lag in cowbird nestling recognition by Ovenbirds. Bird Observer, 26: 229-235.
- Morimoto, D. C.** 1999. Forest fragmentation effects on the breeding birds of Weston. Weston Historical Society Bulletin, 30: 1-6.
- Morimoto, D. C.** 2008. PlanetWalker Companion (online reader's guide to the book Planetwalker: How One Mad Changed the World, One Step at a Time. National Geographic Society.

Manuscripts in preparation

- Morimoto, D. C.**, Rocha, C., Schindlinger, M. S. 2008. An interview with Ernst Mayr. Journal of Brazilian Ornithology, (in preparation).
- Frankel, M. A., **Morimoto, D. C.**, Federowicz, Y., Hersek, M. J., Lawrence, J., and F. E. Wasserman. Avian distribution and abundance in a forested suburban landscape.
- Frankel, M. A., **Morimoto, D. C.**, Hersek, M. J., and F. E. Wasserman. Forest fragmentation effects on Ovenbird population parameters in a forested suburban landscape.
- Frankel, M. A., **Morimoto, D. C.**, Hersek, M. J., and F. E. Wasserman. Correlates of Ovenbird territory size and abundance in a forested suburban landscape.

Book Reviews

- A Field Guide to Eastern Forests, by John C. Kricher. 1990. in Bird Observer, 18: 155-157.
- Earth in Mind, by David W. Orr. 1995. in Conservation Biology, 9: 1336-1338.
- Bird Conservation: The Science and the Action, edited by John Coulson and Nicole J. Crockford. 1995. in Wilson Bulletin.
- Ethics on the Ark: Zoos, Animal Welfare, and Conservation, edited by B. G. Norton, M. Hutchins, E. F. Stevens, and T. L. Maple. 1995. in Conservation Biology, 10: 1299-1300.

Published Poems

- A Chance, Perhaps. 1994. Conservation Biology, 8: 334.
- Yacumama. 2006. The Wandering Hermit Review: An International Journal of Art and Literature, Issue #2: 108

Professional Interests

Higher Education Administration: all aspects of science and mathematics program development; science and mathematics program direction; community-based research program development; field-based study program development; interdisciplinary and environment-focused program development; nature in education program development; general higher education administration and consulting

Teaching and curriculum development: inquiry-based science (biological sciences, complex systems, research, travel study, field-based courses); interdisciplinary courses with science as a focus; community-based (civic engagement and) environmental research; interdisciplinary general education; integrated curriculum development.

Research: urban ecology and conservation; tropical ecology and conservation; avian ecology and conservation; landscape ecology; education research; natural history

Writing: Human–nature connections; poetry inspired by scientific inquiry and ideas; natural history

Other Interests

Sculpting, drawing, painting