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BIRTHDATE: December 7, 1961 St. Louis, Missouri

EDUCATION:

8/84–12/89 University of California, Berkeley (Ph.D., *Ecomorphological Adaptation in the Genus Anolis*, Zoology)
9/80–6/84 Harvard University (A.B., Biology)

ACADEMIC POSITIONS:

1987–1989 Teaching Assistant, University of California, Berkeley
1990–1992 Post-Doctoral Fellow, Center for Population Biology, University of California, Davis
1992–1997 Assistant Professor, Washington University
1997–2001 Associate Professor, Washington University
2001–2006 Professor, Washington University
2000–2003 and
2004–2005 Director, Tyson Research Center, Washington University
2003–2005 Chair, Environmental Studies Program, Washington University
2006– Monique and Philip Lehner Professor for the Study of Latin America, Harvard University
2006– Curator of Herpetology, Museum of Comparative Zoology

HONORS and AWARDS:

1991 Theodosius Dobzhansky Prize, Society for the Study of Evolution
1994–1999 Fellowship in Science and Engineering, David and Lucile Packard Foundation, \$500,000
1998 David Starr Jordan Prize
1999 Forty Under Forty Award, *St. Louis Business Journal*
2001 Innovation Award, St. Louis Academy of Sciences
2003, 2004 Special Recognition for Excellence in Mentoring, Graduate School Senate, Washington University
2005 Fellow, American Association for the Advancement of Science
2005 John Simon Guggenheim Fellowship
2009 Edward Osborne Wilson Naturalist Award, American Society of Naturalists
2012 Daniel Giraud Elliot Medal, National Academy of Sciences
2012 Fellow, American Academy of Arts and Sciences

PLENARY ADDRESSES AND NAMED LECTURES:

2001 Walton Lecturer, Mountain Lakes Biological Station, University of Virginia
2002 Featured speaker, Ecological Integration Symposium, Texas A&M University
2002 Distinguished Speaker, Department of Zoology, Michigan State University
2003 Keynote Speaker, Society for Research on Amphibians and Reptiles of New Zealand
2003 Eminent Biologist, Pittsburgh EcoForum
2004 Helen Mangelsdorf Lecturer, University of North Carolina

- 2004 Chancellor's Distinguished Lecture, Louisiana State University
- 2007 Juanita Greer White Distinguished Lecturer, University of Nevada-Las Vegas
- 2008 Plenary Speaker, 6th Symposium on the Lacertids of the Mediterranean Basin, Lesvos, Greece
- 2008 Plenary Speaker, 6th World Congress of Herpetology, Manaus, Brazil
- 2008 Plenary Speaker, 8th Latin American Congress of Herpetology, Veradero, Cuba
- 2008 Mayer Lecturer, Wellesley College
- 2009 Sewall Wright Lecturer, University of Chicago
- 2009 Distinguished Visiting Professor, University of Miami
- 2009 Roger Carpenter Lecturer, San Diego State University
- 2009 Plenary Lecture, 9th North American Paleontological Convention, Cincinnati, OH
- 2010 Marcel Gregoire Lecturer, Merrimack College
- 2010 Patrick Murray Visiting Lectureship in Biology, University of Sydney
- 2011 Richard B. Root Graduate Student Invited Lecture, Cornell University
- 2011 Judge, Harry W. Greene Grilled Cheese Challenge, Cornell University
- 2011 Joan Marsden Lecturer in Organismal Biology, McGill University
- 2012 Richard H. and Glenda G. Rosenblatt Lecture in Evolutionary Biology. Scripps Institute of Oceanography, University of California, San Diego
- 2012 Distinguished Lecturer, Department of Organismal Biology and Ecology, University of Montana
- 2013 Russell Marker Lecture in Evolutionary Biology, Penn State University
- 2013 Distinguished Speaker, W. M. Keck Center for Behavioral Biology, North Carolina State University
- 2013 Tracy and Ruth Storer Lectureship in the Life Sciences, University of California, Davis
- 2014 Eminent Ecologist Lecturer, Rutgers University

GRANTS:

- 1985 Ecology of Arboreal Malagasy Lizards. World Wildlife Fund-U.S.
- 1987 Adaptation of Jamaican *Anolis* Lizards. Sigma Xi (National).
- 1987 Adaptation of Florida *Anolis* Lizards. American Museum of Natural History (Theodore Roosevelt Memorial Fund).
- 1987 Adaptation of Jamaican *Anolis* Lizards. Explorer's Club.
- 1987 Adaptation of Jamaican *Anolis* Lizards. Center for Latin American Studies (Tinker Foundation).
- 1987 Ecomorphology of Puerto Rican *Anolis* Lizards. University of California, Berkeley (Patent Fund).
- 1988 Immunological Study of Phylogeny of *Anolis* Lizards. Sigma Xi (National).
- 1988 Relationships Within the Lizard Genus *Anolis*: an Immunological Approach. Sigma Xi (Berkeley Chapter).
- 1988 *Anolis* Phylogeny: an Immunological Study. American Society of Ichthyologists and Herpetologists (Gauge Fund).
- 1989 Evolutionary Ecomorphology of West Indian *Anolis* Lizards. National Science Foundation (Dissertation Improvement Grant). \$9000.
- 1989 Ecology and Behavior of *Anolis* lizards in the Dominican Republic. Center for Latin American Studies (Tinker Foundation). \$2500.
- 1991–1993 Intraspecific Adaptation in *Anolis* Lizards. National Geographic Society. \$12,889.
- 1994–1999 An integrative study of adaptive radiation in West Indian *Anolis* lizards. National Science Foundation, \$300,000 (co-P.I.s: K. de Queiroz and A. Larson) plus \$27,000 in REU supplements, a \$14,750 supplement to initiate a collaborative research program in

- South Africa, and a \$32,600 supplement to initiate collaborative research in Australia).
- 1994–1999 Ecological and evolutionary consequences of interspecific competition: an experimental analysis with *Anolis* lizards. National Science Foundation, \$203,193 (co-P.I.: D.A. Spiller), plus \$20,000 in supplemental funding to examine the effects of Hurricane Lili and \$25,000 in REU supplements.
- 1995–1997 The relative roles of intersexual and interspecific differentiation in the adaptive radiation of Greater Antillean *Anolis* lizards. National Science Foundation, \$8,000 (Dissertation Improvement Grant for Marguerite Butler).
- 1995 Symposium: Phylogenies and comparative biology stage II: Testing hypotheses derived from phylogenies with data from extant taxa. National Science Foundation, \$9,000.
- 1996–1997 Adaptive radiation of Cuban *Anolis* lizards. National Geographic Society, \$19,085 (co-P.I.s: Kevin de Queiroz and Lourdes Rodriguez Schettino).
- 1997–1999 Phylogeny, morphology and life history: Effects of dramatic size variation in monitor lizards. National Science Foundation, \$10,000 (Dissertation Improvement Grant for David Pepin).
- 1999–2001 Phylogenetic relationships, ontogenetic color change, and antipredator adaptation in the Colubrinae (Serpentes). National Science Foundation, \$10,485 (Dissertation Improvement Grant for Doug Creer).
- 1999–2001 Survival of the gutsiest: a study on function and quality of signals given to an incoming predator by *Anolis* lizards. National Science Foundation, \$9,693 (Dissertation Improvement Grant for Manuel Leal).
- 1999–2004 Redevelopment of insular communities following a catastrophic hurricane. National Science Foundation, \$350,000, plus \$28,000 in REU supplements (jointly funded collaborative research grants with D.A. Spiller).
- 2000–2005 Comparative study of adaptive radiation in iguanian lizards. National Science Foundation, \$450,000, plus \$31,687 in REU and RET supplements (co-PIs: Kevin de Queiroz, Allan Larson).
- 2000–2002 Evolutionary ecology and molecular phylogenetics of the lizard genus *Liolaemus*. National Science Foundation, \$10,000 (Dissertation Improvement Grant for Jim Schulte).
- 2000–2001 The effects of predators on lizard behavior and evolution. National Geographic Society, \$20,300 (co-PI: Thomas Schoener).
- 2001–2002 Comparative study of adaptive radiation, working group. National Center for Ecological Analysis and Synthesis, \$76,408.
- 2001–2006 A multidisciplinary approach to the study of the evolution of biological form and diversity. Packard Foundation, \$1,000,000 (co-PIs: Jim Cheverud, Jeremy Gibson-Brown, Kerry Kornfeld, Alan Templeton).
- 2002–2004 Ecology and Population Structure: are Species Convergent in Habitat use also Convergent in Degree of Population Subdivision? \$10,838 (Dissertation Improvement Grant for Richard Glor).
- 2003–2005 Testing hypotheses of morphological differentiation in the introduced lizard, *Anolis sagrei*. National Science Foundation, \$11,172 (Dissertation Improvement Grant for Jason Kolbe).
- 2003–2005 Community structure in day geckos (*Phelsuma*): Testing for convergence. National Science Foundation, \$10,800 (Dissertation Improvement Grant for Luke Harmon).
- 2006–2008 Did predation Drive Micro- and Macroevolutionary Diversification in Mosquitofish? National Science Foundation, \$11,975 (dissertation improvement grant for Brian Langerhans).
- 2006–2008 The Evolution and Importance of Genetic Constraint in *Anolis Cristatellus*. National

- 2005–2009 Science Foundation, \$11,690 (dissertation improvement grant for Liam Revell).
 2005–2009 Species diversity and abundance in insular systems. National Science Foundation, \$680,000 (jointly funded collaborative grants; co-P.I. on this grant, M. Leal; collaborative grant P.I.s T.W. Schoener and D.A. Spiller), plus \$6,000 in REU supplements.
- 2005–2009 Phylogenetic analysis of G-matrix evolution in the repeated adaptive radiations of *Anolis* lizards. National Science Foundation, \$725,000 (jointly funded collaborative grant with E.D. Brodie, III), plus \$12,000 in REU supplements.
- 2005–2008 Origins of diversity in animal communication: habitat-dependent adaptive change in lizard visual displays. National Science Foundation, \$347,155 (jointly funded collaborative grant with J.A. Stamps and T. Ord), plus \$6,000 in REU supplements.
- 2006–2009 Convergent evolution of desert lizards: phylogenomic and morphological analyses of limb Development, AUS\$263,000.
- 2008–2010 Ecological opportunity and the rate of evolution in neotropical *Anolis* lizards. \$11,984 (Dissertation Improvement Grant for Luke Mahler).
- 2009–2012 Layers of adaptive radiation in *Anolis* lizards: investigation of previously unexplored ecological and taxonomic diversity, \$1,053,885 (jointly funded collaborative grant with R.E. Glor).
- 2010–2015 A field-experimental test for evolutionary trait-mediated indirect effects in food webs, \$1,099,998 (jointly funded collaborative grant with T.W. Schoener, D.A. Spiller, and M. Leal).
- 2011–2012 Workshop on the future of evolutionary biology, \$17,969.
- 2011–2014 The genetics of convergence at multiple levels: evolution of colorful dewlaps in *Anolis*, \$1,053,446 (co-PI; H.E. Hoekstra, PI; jointly funded collaborative grant with C.J. Schneider), plus \$7,500 in REU supplements.
- 2014–2017 A functional perspective on adaptive radiation: explaining differences in the adaptive radiations of mainland and island *Anolis* lizards, \$660,952 (jointly funded collaborative grant with T. Roberts).

BOOKS:

- Losos, J.B. 2009. *Lizards in an Evolutionary Tree: Ecology and Adaptive Radiation of Anoles*. University of California Press: Berkeley, CA.
- Levin, S.A., Ed., S.R. Carpenter, H.C.J. Godfray, A.P. Kinzig, M. Loreau, J.B. Losos, B. Walker, and D.S. Wilcove, Assoc. Eds. 2009. *The Princeton Guide to Ecology*. Princeton University Press: Princeton, NJ.
- Losos, J.B., and R.E. Ricklefs, Eds. 2009. *The Theory of Island Biogeography Revisited*. Princeton University Press: Princeton, NJ.
- Losos, J.B. Ed. 2010. *In the Light of Evolution: Essays from the Laboratory and Field*. Roberts and Co.: Greenwood Village, CO.
- Losos, J.B., D.A. Baum, D.J. Futuyma, H.E. Hoekstra, R.E. Lenski, A.J. Moore, C.L. Peichel, D. Schluter and M.C. Whitlock. Eds. 2014. *The Princeton Guide to Evolution*. Princeton University Press: Princeton, NJ.

ARTICLES:

- Losos, J.B. 1985. Male aggressive behavior in a pair of sympatric sibling species. *Breviora* 484: 1-30.
- Losos, J.B. 1985. An experimental demonstration of the species-recognition role of *Anolis* dewlap color. *Copeia* 1985: 905-910.
- Losos, J.B. 1986. Island biogeography of day geckos (*Phelsuma*) in the Indian Ocean. *Oecologia* 68: 338-343.
- Losos, J.B. 1987. Postures of the Military Dragon (*Ctenophorus isolepis*) in relation to substrate

- temperature. *Amphibia-Reptilia* 8: 419-423.
- Greene, H.W., and J.B. Losos. 1988. Systematics, natural history, and conservation. *Bioscience* 38: 458-462.
- Losos, J.B. 1988. Thermoregulatory correlates of escape behavior by a desert lizard, *Ctenophorus isolepis*. *Journal of Herpetology* 22: 353-356.
- Losos, J.B., and H.W. Greene. 1988. Ecological and evolutionary implications of diet in monitor lizards. *Biological Journal of the Linnean Society* 35: 379-407.
- Losos, J.B., T. Papenfuss, and J.R. Macey. 1989. Correlates of running, jumping, and parachuting performance in the butterfly lizard, *Leiolepis belliani*. *Journal of Zoology* 217: 559-568.
- Losos, J.B., and B. Sinervo. 1989. The effects of morphology and perch diameter on sprint performance in *Anolis* lizards. *Journal of Experimental Biology* 145: 23-30.
- Losos, J.B., S. Naeem, and R.K. Colwell. 1989. Hutchinsonian ratios and statistical power. *Evolution* 43: 1820-1826.
- Losos, J.B. 1990. Thermal sensitivity of sprinting and clinging performance in the Tokay gecko (*Gekko gecko*). *Asiatic Herpetological Research* 3: 54-59.
- Losos, J.B. 1990. Concordant evolution of locomotor behavior, display rate, and morphology in West Indian *Anolis* lizards. *Animal Behaviour* 39: 879-890.
- Losos, J.B. 1990. A phylogenetic analysis of character displacement in Caribbean *Anolis* lizards. *Evolution* 44: 558-569.
- Losos, J.B. 1990. Ecomorphology, performance capability, and scaling of West Indian *Anolis* lizards: an evolutionary analysis. *Ecological Monographs* 60: 369-388.
- Losos, J.B. 1990. The evolution of form and function: morphology and locomotor performance ability in West Indian *Anolis* lizards. *Evolution* 44: 1189-1203.
- Losos, J.B., M.R. Gannon, W.J. Pfeiffer, and R.B. Waide. 1990. Notes on the ecology and behavior of the lagarto verde, *Anolis cuvieri*, in Puerto Rico. *Caribbean Journal of Science* 26: 65-66.
- Dryden, G., B. Green, D. King, and J. Losos. 1990. Water and energy turnover in a small monitor lizard, *Varanus acanthurus*. *Australian Wildlife Research* 17: 641-646.
- Hess, N.E., and J.B. Losos. 1991. Interspecific aggression between *Anolis cristatellus* and *A. gundlachi*: comparisons of sympatric and allopatric populations. *Journal of Herpetology* 25: 256-259.
- Sinervo, B., and J.B. Losos. 1991. Walking the tight rope: arboreal sprint performance among *Sceloporus occidentalis* lizard populations. *Ecology* 72: 1225-1233.
- Losos, J.B., R.M. Andrews, O.J. Sexton, and A. Schuler. 1991. Behavior, ecology, and locomotor performance of the giant anole, *Anolis frenatus*. *Caribbean Journal of Science* 27: 173-179.
- James, C.D., and J.B. Losos. 1991. Diet and reproductive biology of the Australian sand-swimming lizards, *Eremiascincus* (Scincidae). *Australian Wildlife Research* 18: 641-654.
- Losos, J.B. 1992. A critical comparison of the taxon cycle and character displacement models for size evolution of *Anolis* lizards in the Lesser Antilles. *Copeia* 1992: 279-288.
- James, C.D., J.B. Losos, and D.R. King. 1992. Reproductive biology and diets of goannas (Reptilia: Varanidae) from Australia. *Journal of Herpetology* 26: 128-136.
- Losos, J.B. 1992. The evolution of convergent community structure in Caribbean *Anolis* communities. *Systematic Biology* 41: 403-420.
- Losos, J.B., B.M. Walton, and A.F. Bennett. 1993. Trade-offs between sprinting and clinging ability in Kenyan chameleons. *Functional Ecology* 7: 281-286.
- Losos, J.B., J.C. Marks, and T.W. Schoener. 1993. Habitat use and ecological interactions of an introduced and a native species of *Anolis* lizard on Grand Cayman. *Oecologia* 95: 525-532.
- Losos, J.B. 1994. An approach to the analysis of comparative data when a phylogeny is unavailable or incomplete. *Systematic Biology* 43: 117-123.
- Losos, J.B., and D.B. Miles. 1994. Adaptation, constraint, and the comparative method: phylogenetic issues and methods. Pp. 60-98 in P.C. Wainwright and S. Reilly, Eds., *Ecological Morphology: Integrative Organismal Biology*. University of Chicago Press: Chicago.

- Garland, T., Jr., and J.B. Losos. 1994. Ecological morphology of locomotor performance in squamate reptiles. Pp. 240-302 in P.C. Wainwright and S. Reilly, Eds., *Ecological Morphology: Integrative Organismal Biology*. University of Chicago Press: Chicago.
- Losos, J.B. 1994. Historical contingency and lizard community ecology. Pp. 319-333 in L.J. Vitt and E.R. Pianka, Eds., *Lizard Ecology: Historical and Experimental Perspectives*. Princeton Univ. Press: Princeton.
- Macedonia, J.M., C.S. Evans, and J.B. Losos. 1994. Male *Anolis* lizards discriminate video-recorded conspecific and heterospecific displays. *Animal Behaviour* 47: 1220-1223.
- Losos, J.B. 1994. Integrative approaches to evolutionary ecology: *Anolis* lizards as model systems. *Annual Review of Ecology and Systematics* 25: 467-493.
- Losos, J.B., D.J. Irschick, and T.W. Schoener. 1994. Adaptation and constraint in the evolution of specialization of Bahamian *Anolis* lizards. *Evolution* 48: 1786-1798.
- Losos, J.B., and F.R. Adler. 1995. Stumped by trees? A generalized null model for patterns of organismal diversity. *American Naturalist* 145: 329-342.
- Losos, J.B. 1995. Community evolution in Greater Antillean *Anolis* lizards: Phylogenetic patterns and experimental tests. *Philosophical Transactions of the Royal Society of London*, B 349:69-75. Reprinted in P.H. Harvey, A.J.L. Brown, J.M. Smith, and S. Nee, Eds. 1996. *New Uses for New Phylogenies*, pp. 308-321, Oxford Univ. Press: Oxford.
- Losos, J.B., and D.J. Irschick. 1996. The effect of perch diameter on escape behaviour of *Anolis* lizards: Laboratory-based predictions and field tests. *Animal Behaviour* 51: 593-602.
- Irschick, D.J., and J.B. Losos. 1996. Morphology, ecology, and behavior of the twig anole, *Anolis angusticeps*. Pp. 291-301 in R. Powell and R.W. Henderson, Eds., *Contributions to West Indian Herpetology: A Tribute to Albert Schwartz*. Society for the Study of Amphibians and Reptiles, Ithaca, NY.
- Losos, J.B. 1996. Dynamics of range expansion by three introduced species of *Anolis* lizards on Bermuda. *Journal of Herpetology* 30: 204-210.
- Losos, J.B. 1996. Phylogenetic perspectives on community ecology. *Ecology* 77: 1344-1354.
- Losos, J.B. 1996. Ecological and evolutionary determinants of the species-area relation in Caribbean anoline lizards. *Philosophical Transactions of the Royal Society of London*, B 351:847-854. Reprinted in P.R. Grant. 1998. *Evolution on Islands*, pp. 210-224, Oxford University Press: Oxford.
- Losos, J.B. 1996. Phylogenies and comparative biology, Stage II: Testing causal hypotheses derived from phylogenies with data from extant taxa. *Systematic Biology* 45: 259-260.
- Larson, A., and J.B. Losos. 1996. Phylogenetic systematics of adaptation. In M.R. Rose G.V. Lauder, Eds., *Adaptation*. Pp. 187-220. Academic Press: San Diego.
- Irschick, D.J., C.C. Austin, K. Petren, R.N. Fisher, J.B. Losos, and O. Ellers. 1996. A comparative analysis of clinging ability among pad-bearing lizards. *Biological Journal of the Linnean Society* 59: 21-35.
- Stamps, J.A., J.B. Losos, and R.M. Andrews. 1997. A comparative study of population density and sexual size dimorphism in lizards. *American Naturalist* 149: 64-90.
- Losos, J.B., K.I. Warheit, and T.W. Schoener. 1997. Adaptive differentiation following experimental island colonization in *Anolis* lizards. *Nature* 387: 70-73.
- Glossip, D., and J.B. Losos. 1997. Ecological correlates of number of subdigital lamellae in anoles. *Herpetologica* 53: 192-199.
- Jackman, T., J.B. Losos, A. Larson and K. de Queiroz. 1997. Phylogenetic studies of convergent adaptive radiations in Caribbean *Anolis* lizards. Pp. 535-557 in T. Givnish and K. Systma, Eds., *Molecular Evolution and Adaptive Radiation*. Cambridge University Press: Cambridge.
- Autumn, K., and J.B. Losos. 1997. Notes on jumping ability and thermal biology of the enigmatic anole *Chamaelinorops barbouri*. *Journal of Herpetology* 31: 442-444.
- Losos, J.B., and K. de Queiroz. 1997. Evolutionary consequences of ecological release in

- Caribbean *Anolis* lizards. *Biological Journal of the Linnean Society* 61: 459-483.
- Irschick, D.J., L.J. Vitt, P.A. Zani, and J.B. Losos. 1997. A comparison of evolutionary radiations in mainland and West Indian *Anolis* lizards. *Ecology* 78: 2191-2203.
- Butler, M.A., and J.B. Losos. 1997. Testing for unequal amounts of evolution in a continuous character on different branches of a phylogenetic tree using linear and squared-change parsimony: an example using Lesser Antillean *Anolis* lizards. *Evolution* 51: 1623-1635.
- Irschick, D.J., and J.B. Losos. 1998. A comparative analysis of the ecological significance of maximal locomotor performance in Caribbean *Anolis* lizards. *Evolution* 52: 219-226.
- Losos, J.B., T.R. Jackman, A. Larson, K. de Queiroz, and L. Rodríguez-Schettino. 1998. Historical contingency and determinism in replicated adaptive radiations of island lizards. *Science* 279: 2115-2118.
- Losos, J.B., and L.-R. Chu. 1998. Examination of factors affecting dewlap size in Caribbean anoles. *Copeia* 1998: 430-438.
- Spiller, D.A., J.B. Losos, and T.W. Schoener. 1998. Impact of a catastrophic hurricane on island populations. *Science* 281: 695-697.
- Leal, M., J.A. Rodríguez-Robles, and J.B. Losos. 1998. An experimental study of interspecific interactions between two Puerto Rican *Anolis* lizards. *Oecologia* 117: 273-278.
- de Queiroz, K., L.-R. Chu, and J.B. Losos. 1998. A second *Anolis* lizard in Dominican amber and the systematics and ecological morphology of Dominican amber anoles. *American Museum of Natural History Novitates* 3249: 1-23.
- Losos, J.B., and D. Spiller. 1999. Differential colonization success and asymmetrical interactions between two lizard species. *Ecology* 80: 252-258.
- Jackman, T.R., A. Larson, K. de Queiroz, and J.B. Losos. 1999. Phylogenetic relationships and the tempo of early diversification in *Anolis* lizards. *Systematic Biology* 48: 254-285.
- Beuttell, K., and J.B. Losos. 1999. Ecological morphology of Caribbean anoles. *Herpetological Monographs* 13: 1-28.
- Irschick, D.J., and J.B. Losos. 1999. Do lizards avoid habitats in which performance is submaximal?: The relationship between sprinting capabilities and structural habitat use in Caribbean anoles. *American Naturalist* 154:293-305.
- Warheit, K.I., J.D. Forman, J.B. Losos, and D.B. Miles. 1999. Morphological diversification and adaptive radiation: a comparison of two diverse lizard clades. *Evolution* 53:1226-1234.
- Losos, J.B. 1999. Uncertainty in the reconstruction of ancestral character states and limitations on the use of phylogenetic comparative methods. *Animal Behaviour* 58: 1319-1324.
- Losos, J.B., D.A. Creer, D. Glossip, R. Goellner, A. Hampton, G. Roberts, N. Haskell, P. Taylor, and J. Etling. 2000. Evolutionary implications of phenotypic plasticity in the hindlimb of the lizard *Anolis sagrei*. *Evolution* 54:301-305.
- Butler, M.A., T.W. Schoener, and J.B. Losos. 2000. The relationship between sexual size dimorphism and habitat use in Greater Antillean *Anolis* lizards. *Evolution* 54: 259-272.
- Leal, M., and J.B. Losos. 2000. Natural history of the Cuban lizard *Chamaeleolis barbatus*. *Journal of Herpetology* 34:318-322.
- Losos, J.B., and D. Schluter. 2000. Analysis of an evolutionary species-area relationship. *Nature* 408:847-850.
- Schneider, C.J., J.B. Losos, and K. de Queiroz. 2001. Evolutionary relationships of *Anolis bimaculatus* group from the northern Lesser Antilles. *Journal of Herpetology* 35:1-12.
- Schoener, T.W., D.A. Spiller, and J.B. Losos. 2001. Predators increase the risk of catastrophic

- extinction of prey populations. *Nature* 412:183-186.
- Creer, D.A., K. de Queiroz, T.R. Jackman, J.B. Losos, and A. Larson. 2001. Systematics of the *Anolis* roquet series of the southern Lesser Antilles. *Journal of Herpetology* 35: 428-441.
- Schoener, T.W., D.A. Spiller, and J.B. Losos. 2001. Natural restoration of the species-area relation for a lizard after a hurricane. *Science* 294:1525-1528.
- Knox, A.K., J.B. Losos, and C.J. Schneider. 2001. Adaptive radiation versus intraspecific differentiation: morphological variation in Caribbean *Anolis* lizards. *Journal of Evolutionary Biology* 14:904-909.
- Losos, J.B., T.W. Schoener, K.I. Warheit, and D.A. Creer. 2001. Experimental studies of adaptive differentiation in Bahamian *Anolis* lizards. *Genetica* 112-113:399-415. (Reprinted in A.P. Hendry and M.T. Kinnison, Eds., *Microevolution: Rate, Pattern, and Process*, pp. 399-415. Kluwer Academic Publishers: Dordrecht.
- Angert, A.L., D. Hutchison, D. Glossip, and J.B. Losos. 2002. Microhabitat use and thermal biology of the collared lizard (*Crotaphytus collaris collaris*) and the fence lizard (*Sceloporus undulatus hyacinthinus*) in Missouri glades. *Journal of Herpetology* 36:23-29.
- Jackman, T.R., D.J. Irschick, K. de Queiroz, J.B. Losos, and A. Larson. 2002. Molecular phylogenetic perspective on evolution of lizards of the *Anolis grahami* Series. *Journal of Experimental Zoology: Molecular and Developmental Evolution* 294:1-16.
- Leal, M., A. K. Knox, and J. B. Losos. 2002. Lack of convergence in aquatic *Anolis* lizards. *Evolution* 56:785-791.
- Bickel, R., and J. B. Losos. 2002. Patterns of morphological variation and correlates of habitat use in chameleons. *Biological Journal of the Linnean Society* 76: 91-103.
- Losos, J. B., and D. B. Miles. 2002. Testing the hypothesis that a clade has adaptively radiated: iguanid lizard clades as a case study. *American Naturalist* 160: 147-157.
- Schoener, T.W., D.A. Spiller, and J.B. Losos. 2002. Predation on a common *Anolis* lizard: Can the food-web effects of a devastating predator be reversed? *Ecological Monographs* 72: 383-408.
- Losos, J.B., D.A. Creer, and J. Schulte, II. 2002. Cautionary comments on the measurement of maximum locomotor capabilities. *Journal of Zoology* 258: 57-61.
- Losos, J.B., P.L.N. Mouton, R. Bickel, I. Cornelius, and L. Ruddock. 2002. The effect of body armature on escape behaviour in cordylid lizards. *Animal Behaviour* 64: 313-321.
- Butler, M.A., and J.B. Losos. 2002. Multivariate sexual dimorphism, sexual selection, and adaptation in Greater Antillean *Anolis* lizards. *Ecological Monographs* 72:541-559.
- Macrini, T. E., D. J. Irschick, and J. B. Losos. 2003. Ecomorphological differences in toepad characteristics between mainland and island anoles. *Journal of Herpetology* 37:52-58.
- Losos, J.B., M. Butler, and T.W. Schoener. 2003. Sexual dimorphism in body size and shape in relation to habitat use among species of Caribbean *Anolis* lizards. Pp. 356-380 in S. F. Fox, J. K. McCoy and T. A. Baird, Eds., *Lizard Social Behavior*. Johns Hopkins Press: Baltimore.
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- Losos, J.B. 2011. Detective work in the West Indies: Integrating historical and experimental approaches to study the evolutionary diversification of island lizards. Pp. 73-92 in J.B. Losos, Ed., *In the Light of Evolution: Essays from the Laboratory and Field*. Roberts and Co.: Greenwood Village, CO. (revised version of 2007 *Bioscience* paper).
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TEXTBOOKS:

- Raven, P.H., G.B. Johnson, J.B. Losos, and S.S. Singer. 2004. *Biology*, 7th Ed. McGraw-Hill: Boston, MA.
- Raven, P.H., G.B. Johnson, J.B. Losos, K.A. Mason, and S.S. Singer. 2007. *Biology*, 8th Ed. McGraw-Hill: Boston, MA.
- Johnson, G., and J. Losos. 2008. *The Living World*, 5th Ed. McGraw-Hill: Boston, MA.
- Johnson, G., and J. Losos. 2008. *Essentials of the Living World*, 2nd Ed. McGraw-Hill: Boston, MA.
- Johnson, G., and J. Losos. 2010. *The Living World*, 6th Ed. McGraw-Hill: Boston, MA.
- Raven, P., G.B. Johnson, K.A. Mason, J.B. Losos, and S.S. Singer. 2010. *Biology*, 9th Ed. McGraw-Hill: New York, NY.
- Raven, P., G.B. Johnson, K.A. Mason, J.B. Losos, and S.S. Singer. 2013. *Biology*, 10th Ed. McGraw-Hill: New York, NY.
- Mason, K., G. Johnson, J. Losos, and S. Singer. 2014. *Understanding Biology*. McGraw-Hill: New York, NY.

INVITED SEMINARS AND SYMPOSIUM CONTRIBUTIONS:

University of Washington, Seattle (1987, 2006), California Academy of Sciences (1988, 1991), Princeton University (1988, 1992), University of California, Irvine (1989), 1st World Congress of Herpetology (1989), American Society of Zoologists (1990), Washington University (1991), Duke University (1991, 1999, 2010), Society for the Study of Evolution (1991, 1993), University of California, San Diego (1992), Academy of Natural Sciences, Philadelphia (1992), University of British Columbia (1992, 2000, 2009), University of Missouri, St. Louis (1993, 1997, 2011), American Society of Ichthyologists and Herpetologists (1993, 1997), Rutgers University (1993, 2014), Saint Louis University (1993), Ohio University (1993), 2nd World Congress of Herpetology (1994), Vanderbilt University, (1994), University of Missouri, Columbia (1994), University of California, Berkeley (1994); Royal Society of London (1994, 1995); University of Miami (1995); Institute of Ecology and Systematics, Cuban Academy of Sciences (1995); University of Chicago (1995); Indiana State University, Terre Haute (1995); Ciba Foundation (1995); Florida State University (1996), Indiana University (1996, 1998, 2004); National Museum of Natural History, Smithsonian Institution (1997, 2004); University of Oregon (1997); University of Stellenbosch (1997, 1999); University of Cape Town (1997); University of Massachusetts, Amherst (1998, 2011); Harvard University (1998, 2003, 2004); Yale University (1998); Herpetological Association of Africa (1998); Transvaal Museum of Natural History (1998); Brigham Young University (1998); University of Utah (1998); University of Oklahoma (1998); Zoological Society of Southern Africa (1999); Venda University (1999); University of Pretoria (1999); Southern Illinois University, Carbondale (1999); International Institute of Applied Systems Analysis, Vienna (1999); University of Toronto (1999, 2005, 2013); Cornell University (2000, 2011); University of Tennessee (2000); University of Illinois (2000); University of Arizona (2000); San Francisco State University (2000); St. Louis Zoological Park (2001); University of California, Davis (2001, 2007); Boston University (2002); University of California, Santa Barbara (2002); Tulane University (2002); Michigan State University (2002); Victoria University, Wellington, New Zealand (2003); Southwest Illinois College Darwin Day (2004); Southwest Missouri State University (2004); La Selva Biological Station (2005); National Association of Biology Teachers (2005); University of Connecticut (2007); University of Nevada-Las Vegas (2007); Field Museum of Natural History (2007); University of Texas,

Austin (2008); Dartmouth College (2008); Museum of Vertebrate Zoology, University of California, Berkeley, Alumni Symposium invited speaker (2008); Little Cayman Research Center (2009); Salem State Darwin Festival (2010); University of Wisconsin Darwin Day (2010); University of Rochester (2010); Pontificia Universidad Católica del Ecuador (2010); University of Sydney (2010); Australian National University (2010); University of New South Wales (2010); Virginia Commonwealth University Darwin Day (2011); Stanford (2011, 2014); University of Massachusetts, Boston (2011); Northeastern University (2011); Scripps Institute of Oceanography (2012); University of Idaho (2012); University of Rhode Island (2012); University of Toronto Darwin Day (2013); Universidad de los Andes (2013); University of Witswatersrand (2013); City College of New York (2013); Clark University (2014); Edward O. Wilson Biodiversity Symposium (2014)

PROFESSIONAL SERVICE:

Co-organizer, Symposium on *Anolis* Biology, 1989 meeting of the American Society of Ichthyologists and Herpetologists.

Member, Committee on the Integrative Role of Systematics in Ecology, Systematics Agenda 2000: Integrating Biological Diversity and Societal Needs, jointly sponsored by the American Society of Plant Taxonomists, the Society of Systematic Biologists, and the Willi Hennig Society, 1991–1993

Member, Board of Governors, American Society of Ichthyologists and Herpetologists, 1992–1995

Organizer, Symposium on phylogeny and comparative biology, meeting of the American Society of Zoologists, 1994.

Co-chair, American Society of Zoologists annual meeting, 1994

Research Associate, Department of Vertebrate Zoology, National Museum of Natural History, Smithsonian Institution, 1995–2007

Director (Washington University), Organization for Tropical Studies, 1999–2005

Board of Science Advisors, National Center for Ecological Analysis and Synthesis, 1999–2002

E.O. Wilson Naturalist Award Committee, 1998–1999; Chair, 1999

Conservation Science Panel, Sustainable Ecosystems Institute, 2000–

Conservation Fellow, Conservation Institute, Saint Louis Zoological Park, 2003–

Co-organizer, 50th annual systematics symposium, Missouri Botanical Garden, "Species reconsidered: Consequences for Biodiversity and Evolution." October, 2003

Science Advisory Panel, Soundprint Media, Inc., proposal to the National Science Foundation to create a 13-part public radio series, *Science Applied*, 2005–

Science Board, National Evolutionary Synthesis Center, 2005–2008

Advisory Council, Department of Ecology and Evolutionary Biology, Princeton University, 2007–2013

Organizer, 50th Anniversary Symposium, "Herpetology in the Age of Genomics," Society for the Study of Amphibians and Reptiles, 2007

Organizer (with Robert Ricklefs), "The Theory of Island Biogeography at 40: Impacts and Prospects," Harvard University, 2007

Faculty of 1000 Biology, 2008–

Committee for Research and Exploration, National Geographic Society, 2009–

President, American Society of Naturalists, 2010

Henry S. Fitch Excellence in Herpetology Award Committee, American Society of Ichthyologists and Herpetologists, 2010–2012; Chair, 2012
Editorial Board, *Grzimek's Animal Life Encyclopedia*, 2009–2012
Science Advisory Board, *Life on Earth*, 2010–
Instructor, Evolutionary Quantitative Genetics Academy, National Evolutionary Synthesis Center, 2012
Departmental Review, Department of Ecology and Evolutionary Biology, Princeton University, Chair, 2013
Scientific Consultant, *The Origin of Species: Lizards in an Evolutionary Tree*. Film produced by the Howard Hughes Medical Institutem 2012-2014
<http://media.hhmi.org/biointeractive/films/OriginSpecies-Lizards.html>
Department Review, Department of Environment, Ecology, and Evolutionary Biology, Columbia University, 2014
Membership Panel (Evolutionary and Population Biology and Ecology), American Academy of Arts and Sciences, 2014-

JOURNAL EDITORSHIPS:

Associate Editor, *Evolution*, 1998–2000
Associate Editor, *The American Naturalist*, 1998–2002
Editor, *The American Naturalist*, 2002–2006
Editor, *Breviora*, 2007–
Editor, *Bulletin of the Museum of Comparative Zoology*, 2007–

COMMUNITY SERVICE:

The Nature Conservancy, Missouri chapter, Board of Trustees, 1996–2002
Sophia M. Sachs Butterfly House, Scientific Advisory Panel, 2000–2003
Sophia M. Sachs Butterfly House, Long-Range Planning Committee, 2000–2002
Conservation Action Prize Committee, International Center for Tropical Ecology, 2001–2003
Adult Education Task Force, Education Committee, St. Louis Science Center Board of Directors, 2003
Field Research for Conservation Program, St. Louis Zoo, Reviewer, 1998–
Strategic Plan Advisory Committee, St. Louis Zoo, 2006–2007

GRADUATE STUDENT THESIS COMMITTEES:

Jennifer Matos, 1992	Paul Wilson, 1996–1997
Keith Crandall, 1992–1993	Michael Fay (Anthropology), 1996–1997
Ann Gerber, 1992–1994	Susan Jacobs, 1993–1997
Lisa Gould (Anthropology), 1993–1994	Natalia Vasey (Anthropology), 1995–1997
Marshal Hedin, 1993–1995	Paul Olson, 1995–1997
Andi Freedman (University of Miami), 1994–1995	Mary Katherine Crombie (Earth and Planetary Sciences), 1997
Ben Freed (Anthropology), 1993–1996	Shimelis Beyene (Anthropology), 1996–1998
Brad Boyle, 1993–1996	Laura Bischof, 1993–1998
Mark Bergeson (Anthropology), 1994–1996	Alan Roberts (University of Western
Delbert Hutchison, 1993–1997	

Australia), 1997
 Michelle Singleton (Anthropology), 1997–1998
 Martin Whiting (University of Stellenbosch), 1998
 Alison Graf, 1998–1999
 Tomas Hrbek, 1998–1999
 Bob Macey, 1994–1999
 Reinaldo de Brito, 1995–1999
 Kimberly Nekaris (Anthropology), 1999
 Donna Hart (Anthropology), 1999
 Jason Bradford, 1995–2000
 Simon Malcomber, 1996–2000
 Jason Rauscher, 1995–2000
 Thore Bergman, 1999–2000
 Keri Williamson, 1995–2001
 Curt Niebur (Earth and Planetary Sciences), 2001
 Theresa Berquist (University of Missouri-St. Louis), 1998–2002
 Ted Townsend, 2000–2003
 Dave Weisrock, 2002–2003
 Sylvia Fallon (University of Missouri-St. Louis), 2002–2003
 Jared Strasburg, 2003–2004
 Crickette Sanz (Anthropology), 2004
 Jennifer Brisson, 2004
 Alison Miller, 2004

Rosmarie Koch, 2004
 Kathryn Oheim, (Master’s degree, Environmental Studies), 2004–2005
 Ken Kozak, 2002–2005
 Laura Shackelford (Anthropology), 2005
 Mercedes Rougés (University of Missouri-St. Louis), 1996–1998
 Corey Anderson, 2003–2006
 Thom Sanger, 2004–2006
 Russell Blaine, 2004–2006
 Matthew Gifford, 2004–2006
 Kathleen Muldoon (Anthropology), 2005–2006
 Charlie Willis, 2008
 Santiago Ramirez, 2007–2008
 Lynne Mullen, 2008–2010
 Ben Wolfe, 2007
 Ed Yoo, 2007–2010
 Yunke Wu, 2008–2012
 Evan Kingsley, 2009–
 Emily Kay, 2010–2014
 Casey Gilman (U. Mass., Amherst), 2012–
 Hillery Metz, 2012
 Kathleen Foster (U. California, Riverside), 2013–
 James Stroud (Univ. Miami), 2013–
 Rebecca Buckman, 2014–

STUDENTS TRAINED IN LOSOS LAB:

High School Students:

Sara Barker	1994
David Kedmey	1997–1998
Asa Conover	2011–2013
Christian Lehner	2014–

Undergraduates:

Mike Coats	1992–1993	Amy Angert	1995–1998
Kevin Beuttel	1992–1994	Corinne Joshu	1997–1998
Danielle Glossip	1993–1994	Ian Cornelius	1998–1999
Matt Parks	1993–1994	Scott Martinka	1998–1999
Ling-Ru Chu	1995–1996	Aaron Hames	1997–2000
Stephan Koruba	1995–1996	Kate Knox	1999–2002
Ted Macrini	1996–1997	Ryan Bickel	2000–2001
Jonathan Forman	1996–1997	Paul Hime	2000–2003

Rachel Novick	2001	Alison Hsiang	2007
Crystal Yates-White	2002–2003	Karen Lovely	2007–2009
Su Wang	2003–2005	Hannah Frank	2007–2009
Rebecca Kirby	2003–2005	Lela Sims	2008–2009
Deniz Oran	2004	Grace Charles	2008–2011
Laura d'Andrea	2005–2006	Eva Catenaccio	2009–2010
Sonal Singhal	2005–2006	Rick Stanley	2010–2012
Jason Ladner	2005	Paul Van Middlesworth	2010–2013
Anthony Buda	2005–2006	Natalie Jacewicz	2011–2013
Carla Fresquez	2005–2006	Ian Shields	2011–2013
Taylor Ramsey	2006	Tanner Strickland	2011–2014
James Shaw	2006	Alexander Jaffe	2012–
Annie Chen	2006–2008	Tyler Gamble	2013-2014
Debbie Chang	2007		

Graduate Students:

Rotators

Bob Macey	1993–1994	Kevin Mulder	2011-2012
Tomas Hrbek	1993–1994	Hanna Wegener	2012
Dave Weisrock	1998	Simon le Boulh	2011-2012
Corey Anderson	2000	Angelica Cuevas	2013
Thomas Sanger	2002–2003	Veronica Gomez-Pourroy	2013-2014
Matt Gifford	2003	Wendy Jesse	2014
Iliana Medina	2011		

Ph.D. Candidates

- Duncan Irschick. 1996. Adaptation, Performance Ability and Evolutionary Diversification in *Anolis* Lizards.
- Marguerite Butler. 1998. Evolution of Sexual Dimorphism and Adaptive Radiation in *Anolis* Lizards.
- Manuel Leal. 2000. Intra- and Interspecific Variation in the Behavioral Responses Given to an Approaching Predator by *Anolis* Lizards.
- John Parks. 2000. Territoriality and Spatial Structure of the Eastern Collared Lizard, *Crotaphytus collaris collaris*: Spatial, Temporal and Individual Variation.
- David Pepin. 2001. Natural History of Monitor Lizards (Family Varanidae) with Evidence from Phylogeny, Ecology, Life History and Morphology.
- Doug Creer. 2001. Phylogenetic Relationships, Ontogenetic Color Change, and Antipredator Adaptation in the Colubrinae (Serpentes).
- Jim Schulte. 2001. A Phylogenetic and Ecological Analysis of Iguanian Lizard Evolution.
- Richard Glor. 2004. Species Diversification in an Adaptive Radiation: A Comparative Analysis of *Anolis* Lizards.
- Luke Harmon. 2005. Competition and Community Structure in Day Geckos (*Phelsuma*) in the Indian Ocean.
- Jason Kolbe. 2005. Anoles Out of Place: An Evolutionary Analysis of Introduced *Anolis* Lizards.

Michele Johnson. 2007. Behavioral Ecology of Caribbean *Anolis* Lizards: A comparative Approach.

Brian Langerhans. 2008. Predation and Evolutionary Diversification in *Gambusia* Fishes.

Liam Revell. 2009. Quantitative Genetics and Evolutionary Inference in a Phylogenetic Context.

Luke Mahler. 2011. Rates and Patterns of Phenotypic Evolution in the Adaptive Radiation of *Anolis* Lizards.

Yoel Stuart. 2012. Character Displacement and Community Assembly in *Anolis* Lizards.

Alexis Harrison. 2014. Sexual Selection, Natural Selection and the Evolution of Social Structure in *Anolis* Lizards.

Martha Muñoz. 2014. A Multidimensional Perspective on the Role of Behavior in Evolution.

Shane Campbell-Staton. 2009–

Talia Moore. 2010–

Katie Boronow. 2011–

Ambika Kamath. 2011–

Post-Doctoral Fellows:

Todd Jackman	1994–1999	Thomas Sanger	2008–2011
Delbert Hutchison	1997–1999	Katharina Wollenberg	2009–2011
Jane Melville	1998–2003	Ian Wang	2010–2012
Jason Knouft	2002–2004	Emma Sherratt	2011–2013
Kirsten Nicholson	2001–2006	Travis Ingram	2011–2013
Tonia Hsieh	2007–2008	Gabriel Gartner	2011–2013
Reneé Duckworth	2007–2008	Julia Klaczko	2012–2013
Terry Ord	2007–2010	Rosario Castañeda	2012–
David Collar	2007–2010	Pierre Henri Fabre	2013–
Anthony Herrel	2008	Graham Reynolds	2013–
Adam Algar	2009–2011		

UNIVERSITY COMMITTEES:

Washington University

Compton Fellowship Committee, 1994–1999, Chairman 1995–1999

Howard Hughes Undergraduate Research Fellowship, 1993–1997

Vice Chairman, 1996–1997

Biology and Environmental Sciences Dual Degree Program

Steering Committee 1994–1999

Faculty Search Committee, 1994–1995, 1995–1996

Tyson Advisory Committee, 1995–1999

Spector Award Committee, 1997

Committee on the Undergraduate Curriculum in Arts and Sciences, 1997

Ecologist/Evolutionary Developmental Biologist Faculty Search Committee, Chair, 1997–1999

Tyson Station Manager Search Committee, Chair, 1997–1998

Tyson Director Search Committee, Chair, 1998–1999, 2002–2003

Environmental Studies Steering Committee, 1995–2005

Committee on Research Integrity, 1998–2004
Committee on Environmental Quality, 2000–2005
Evolution and Population Biology Steering Committee, 1992–2006
Director, 1997–2005
Evolution and Population Biology Graduate Admissions
Committee, 1992–2006
Lennette Fellowship Award Committee, Chair 2000–2005
Markey Professorship Search Committee, 2002–2005
Advisory Board, Center for Applied Human Values, 2003–2006
Advisory Committee of the Center for Scientific Parallel Computing, 2003–2004
GIS Advisory Committee, 2004–2005
Task Force to Consider Preparation of Undergraduates for Careers in the Life Sciences, 2004–
2005

Harvard University

Physiological Ecologist Faculty Search Committee, Chair, 2006–2007
Policy Committee, David Rockefeller Center for Latin American Studies, 2006–
Grants for Undergraduate Research Selection Committee, Museum of Comparative Zoology,
2006–2010
Promotion Review Committee for Kathleen Donohue, 2007
Ernest E. Williams Memorial Minute Committee, Chair, 2007–2009
Hrdy Fellowship Committee, Chair, 2007–2010
Advisor, Color Exhibit, Harvard University Natural History Museum, 2007–2008
Goelet Award Committee, Museum of Comparative Zoology, 2008–2010
Cuban Studies Committee, David Rockefeller Center for Latin American Studies, 2008–
Vertebrate Paleontology and Evolution Faculty Search Committee, Chair, 2008
Miyata Award Committee, Museum of Comparative Zoology, 2008–2010
Prather Lecture Selection Committee, Chair, 2009–2010
OEB Seminar Committee, Chair, 2009–
Standing Committee on the Concentration in Environmental Science and Public Policy, 2008–
Board of Tutors, Environmental Science and Public Policy, 2011–
Promotion Review Committee for Charles Davis, Chair, 2009–2010
Primate behavior faculty search committee, committee, Dept. Human Evolutionary Biology,
2009–2010
Paleontology Faculty Search Committee, Chair, 2010–2012
Promotion Review Committee for Arkhat Abzhanov, 2013–
Plant Biodiversity Faculty Search Committee, 2013–
Ernst Mayer Travel Grant Committee, 2013
Faculty Grants Program Award Committee, David Rockefeller Center for Latin American
Studies, 2014