

CURRICULUM VITAE
ANDREA BONISOLI ALQUATI

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EDUCATION

PhD, Ecology **2010**
University of Milan, Milan, Italy
Dissertation: The Avian Egg as a Cocktail of Maternal Effects
Advisor: Prof. Nicola Saino

MSc, Management and Analysis of Natural Environments (*Summa cum laude*) **2005**
University of Milan, Milan, Italy
Advisor: Prof Nicola Saino

BSc, Natural Sciences (*Summa cum laude*) **2003**
University of Milan, Milan, Italy

POSITIONS

Assistant Professor of Environmental Toxicology **August 2016 – current**
California State Polytechnic University, Pomona
Pomona, CA

Postdoctoral Research Associate **March 2015 – August 2016**
Louisiana State University, Baton Rouge, LA
Advisors: Sabrina Taylor; Philip C. Stouffer

Postdoctoral Research Associate **June 2010 – March 2015**
University of South Carolina, Columbia, SC
Advisor: Timothy A. Mousseau

RESEARCH INTERESTS

Adaptation in the wild, environmental contamination, genetic damage, nuclear accidents, oil contamination, oxidative stress, radioactive contamination, phenotypic plasticity | Epigenetic inheritance, egg quality, intra-familial conflict, maternal effects

PEER-REVIEWED PUBLICATIONS

Citations: 1193; h-index: 23 (source: Google Scholar, September 2018)
832; h-index: 18 (source: Web of Science, September 2018)

* indicates undergraduate student supervised

** indicates graduate student supervised or co-supervised

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34. **Bonisoli-Alquati A.**, Ostermiller S.**, Beasley D.E.**, Welch S.M., Møller A.P., Mousseau T.A. 2018. Faster development covaries with higher DNA damage in grasshoppers (*Chorthippus albomarginatus*) from Chernobyl. *Physiological and Biochemical Zoology* 91:776–787.
[covered by: BBC News Radio]
33. **Bonisoli-Alquati A.**, Stouffer P.C, Woltmann S., Turner E., Taylor S.S. 2016. Incorporation of oil carbon in a terrestrial bird. *Environmental Research Letters* 11: 114023.
[covered by: BBC, Sierra Magazine, EcoWatch, Inside Science, United Press International, Breitbart News]
32. Oughton D., Mays C., Barnthouse L.W., Beasley J.C., **Bonisoli-Alquati A.**, Bradshaw C., Brown J., Dray S., Geras'kin S., Glenn T., Higley K., Ishida K., Kapustka L.A., Kuhne W., Lynch M., Mappes T., Mihok S., Møller A.P., Mothersill C., Mousseau T.A., Otaki J., Pryakhin E., Rhodes Jr, O.E., Salbu B., Strand P. 2016. Addressing ecological effects of radiation on populations and ecosystems to improve protection of the environment against radiation: Agreed statements from a Consensus Symposium. *Journal of Environmental Radioactivity* 158: 21-29.
31. Einor D.**, **Bonisoli-Alquati A.**, Costantini D., Mousseau T.A., Møller A.P. 2016. Ionizing radiation, antioxidant response and oxidative damage: A meta-analysis. *Science of the Total Environment* 548-549: 463-471.
30. **Bonisoli-Alquati A.**, Koyama H., Tedeschi D., Kitamura W., Suzuki H., Ostermiller S.**, Arai E., Møller A.P., Mousseau T.A. 2015. Abundance and genetic damage of barn swallows from Fukushima. *Scientific Reports* 5: 9432.
[covered by: CBS News, ScienceDaily, National Geographic Italia]
29. **Bonisoli-Alquati A.** 2014. Avian genetic ecotoxicology: DNA of the canary in the coalmine. *Current Zoology* 60: 285-298.
28. Galván I., **Bonisoli-Alquati A.**, Jenkinson S., Ghanem G.E., Wakamatsu K., Mousseau T.A., Møller A.P. 2014. Chronic exposure to low-dose radiation at Chernobyl favors adaptation to oxidative stress in birds. *Functional Ecology* 28: 1387–1403.
[covered by: Nature, Science, The Economist, The Independent, International Business Times, Haaretz, ScienceDaily, SscienceNews.com, Gizmodo, The Verge, Corriere della Sera, OggiScienza]
27. Møller A.P., Rudolfsen G., **Bonisoli-Alquati A.**, Mousseau T.A. 2014. Aspermy, sperm quality and radiation in Chernobyl birds. *PLoS ONE* 9: e100296.
[covered by: BBC, Audubon]
26. Costantini D., **Bonisoli-Alquati A.**, Rubolini D., Caprioli M., Ambrosini A., Romano M., Saino N. Nestling rearing is antioxidant demanding in female barn swallows (*Hirundo rustica*). *Naturwissenschaften* 101: 541–548.

25. Rubolini D., Fusani L., **Bonisoli-Alquati A.**, Canoine V., Caprioli M., Romano M., Ambrosini R., Dessi-Fulgheri F., Saino N. 2014. Effects of egg and circulating testosterone on ring-necked pheasant (*Phasianus colchicus*) male traits and combat outcome. *Ethology* 120: 64–76.
24. Møller A.P., **Bonisoli-Alquati A.**, Mousseau T.A. 2013. High frequency of albinism and tumors in free-living birds at Chernobyl. *Mutation Research: Genetic Toxicology and Environmental Mutagenesis* 757: 52–59.
[covered by: ScienceDaily, Asian Scientist]
23. Mousseau, T.A., Welch S.M., Chizhevsky I., Bondarenko O., Milinevsky G., Tedeschi D., **Bonisoli-Alquati A.**, Møller, A.P. 2013. Tree rings reveal extent of exposure to radiation in Scots pine, *Pinus sylvestris*. *Trees – Structure and Function* 27: 1443–1453.
[covered by: BBC, Asian Scientist]
22. Beasley D.E.** , **Bonisoli-Alquati A.**, Mousseau, T.A. 2013. The use of fluctuating asymmetry as a measure of environmentally induced developmental instability: A meta-analysis. *Ecological Indicators* 30: 218–226.
21. Laskemoen T., Albrecht T., **Bonisoli-Alquati A.**, Cepak J., de Lope F., Hermsell I.G., Johannessen L.E., Kleven O., Møller A.P., Mousseau T.A., Reynolds A.M., Robertson R.J., Rudolfsen G., Saino N., Vortman Y., Lifjeld J.T., 2013. Variation in sperm morphometry and sperm competition among barn swallow (*Hirundo rustica*) populations. *Behavioral Ecology and Sociobiology* 67: 301-309.
20. Baratti M., Dessi-Fulgheri F., Ambrosini R., **Bonisoli-Alquati A.**, Caprioli M., Goti E., Matteo A.** , Monnanni R., Ragionieri L., Ristori E., Romano M., Rubolini D., Scialpi A., Saino N. 2012. MHC genotype predicts mate choice in the ring-necked pheasant *Phasianus colchicus*. *Journal of Evolutionary Biology* 25: 1531-1542.
19. Møller A.P., **Bonisoli-Alquati A.**, Rudolfsen G., Mousseau T.A. 2012. Elevated mortality among birds in Chernobyl as judged from biased sex and age ratios. *PLoS One* e35223.
[covered by: ScienceDaily, Mother Jones]
18. Beasley D.E.** , **Bonisoli-Alquati A.**, Welch S.M., Møller A.P., Mousseau T.A. 2012. Effects of parental radiation exposure on developmental instability in grasshoppers (*Chorthippus albomarginatus*). *Journal of Evolutionary Biology* 25: 1149-1162.
17. Romano A., Ambrosini R., Caprioli M., **Bonisoli-Alquati A.**, Saino N. 2012. Secondary sex ratio covaries with demographic trends and ecological conditions in the barn swallow. *Evolutionary Ecology* 26: 1041-1053.
16. Saino N., Caprioli M., Romano M., Boncoraglio G., Rubolini D., Ambrosini R., **Bonisoli-Alquati A.**, Romano A. 2011. Antioxidant Defenses Predict Long-Term Survival in a Passerine Bird. *PLoS One* 6: e19593.
15. **Bonisoli Alquati A.**, Møller A.P., Rudolfsen G., Saino N., Caprioli M., Ostermiller S.** , Mousseau T.A. 2011. The effects of radiation on sperm swimming behavior depend on plasma oxidative status in the barn swallow (*Hirundo rustica*). *Comparative Biochemistry and Physiology C* 159: 105-112.
14. Møller A.P., **Bonisoli Alquati A.**, Rudolfsen, G., Mousseau, T.A. 2011. Chernobyl birds have smaller brains. *PLoS One* 6: e16862.
[covered by: BBC, Wired, TreeHugger, The Daily Mail]

13. **Bonisoli Alquati A.**, Rubolini D., Ambrosini R., Romano M., Caprioli M., Saino N. 2011. Albumen testosterone affects wattle color and the covariation among phenotypic traits in the ring-necked pheasant. *Behavioral Ecology and Sociobiology* 65: 1779-1790.
12. **Bonisoli Alquati A.**, Boncoraglio G., Caprioli M., Saino N. 2011. Birth order, individual sex and sex of competitors determine the outcome of conflict among siblings over parental care. *Proceedings of the Royal Society London B: Biological Sciences* 278: 1273-1279.
11. **Bonisoli Alquati A.**, Matteo A.** , Ambrosini R., Rubolini D., Romano M., Caprioli M., Dessì-Fulgheri F, Baratti M., Saino N. 2011. Long-term effects of egg testosterone on female mate choice and male sexual behavior in the pheasant. *Hormones and Behavior* 59: 75-82.
10. **Bonisoli Alquati A.**, Mousseau T.A., Møller A.P., Caprioli M., Saino N. 2010. Increased oxidative stress in barn swallows from the Chernobyl region. *Comparative Biochemistry and Physiology A* 155: 205-210.
9. **Bonisoli Alquati A.**, Rubolini D., Romano M., Cucco M., Fasola M., Caprioli M., Saino N. 2010. Egg antimicrobials covary with laying sequence, embryo sex and predict chick phenotype in the yellow-legged gull. *Behavioral Ecology and Sociobiology* 64: 845-855.
8. **Bonisoli Alquati A.**, Voris A.* , Mousseau T.A., Møller A.P., Saino N., Wyatt M.D. 2010. DNA damage in barn swallows (*Hirundo rustica*) from the Chernobyl region detected by the Comet assay. *Comparative Biochemistry and Physiology C* 151: 271-277.
7. Saino N., Rubolini D., Leikhonen E., Sokolov, E.V., **Bonisoli Alquati A.**, Ambrosini R., Boncoraglio G., Møller A.P. 2009 Climate change effects on migration phenology may mismatch brood parasitic cuckoos and their hosts. *Biology Letters* 5: 539-541.
6. Rubolini D., Ambrosini R., Romano M., Caprioli M., Fasola, M., **Bonisoli Alquati A.**, Saino N. 2009. Within-clutch egg size asymmetry covaries with embryo sex in the yellow-legged gull *Larus michahellis*. *Behavioral Ecology and Sociobiology* 63: 1809-1819.
5. **Bonisoli Alquati A.**, Martinelli R., Rubolini D., Saino N. 2008. Sex-specific effects of albumen removal and nest environment manipulation on Barn Swallow nestlings. *Ecology* 89: 2315-2324.
4. Saino N., Bertacche V., **Bonisoli Alquati A.**, Romano M., Rubolini D. 2008. Phenotypic correlates of yolk and plasma carotenoid concentration in yellow-legged gull chicks. *Physiological and Biochemical Zoology*, 81: 211-225.
3. **Bonisoli Alquati A.**, Rubolini D., Romano M., Boncoraglio G., Fasola M., Saino N. 2007. Effects of egg albumen removal on yellow-legged gull chick phenotype. *Functional Ecology* 21: 310-316.
2. Rubolini D., Romano M., **Bonisoli Alquati A.**, Saino N. 2006. Early maternal, genetic and environmental components of antioxidant protection, morphology and immunity of yellow-legged gull (*Larus michahellis*) chicks. *Journal of Evolutionary Biology* 19: 1571-1584.
1. Romano M., Rubolini D., Martinelli R., **Bonisoli Alquati A.**, Saino N. 2005. Experimental manipulation of yolk testosterone affects digit length ratios in the ring-necked pheasant (*Phasianus colchicus*). *Hormones and Behavior* 48: 342-346.

Submitted for review:

35. Formenti G., Chiara M., Poveda L., Francoijs K.J., **Bonisoli-Alquati A.**, Canova L., Gianfranceschi L., Horner D.S., Saino N. SMRT long-read sequencing and Direct Label and Stain optical maps allow the

generation of a high-quality genome assembly for the European barn swallow (*Hirundo rustica rustica*). Submitted to *GigaScience* (bioRxiv, doi: <https://doi.org/10.1101/374512>)

In preparation:

36. **Bonisoli-Alquati A.**, Ostermiller S.** , Møller A.P., Mousseau T.A. The intensity of sexual selection predicts adaptation of Chernobyl birds to ionizing radiation. Submitted to *Biol Lett*.
37. **Bonisoli-Alquati A.**, Koyama H., Tedeschi D., Kitamura W., Einor D.** , Suzuki H., Ostermiller S.** , Arai E., Møller A.P., Mousseau T.A. Albinism and genetic damage of adult barn swallows from Fukushima. To be submitted to *Scientific Reports*.

GRANTS AND AWARDS

Competitive External Funds

Tot awarded (excluding fellowships): \$96,687

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|--------------------|---|
| 2017 | “Oil Spills as Stressors in Coastal Marshes: The Legacy and the Future (CWC)”, \$32,005, Gulf of Mexico Research Initiative (GoMRI) (co-PI; PI: Nancy Rabalais, LSU) |
| 2014 | American Ornithologists’ Union Travel Grant (\$300) |
| 2013 | American Ornithologists’ Union Travel Grant (\$250) |
| 2012 | “Biodosimetry of Children Exposed to Low-level Radioactive Contamination; NIH/Columbia University, NYC, NY (co-PI; with T.A. Mousseau, PI; W. Karmaus, co-PI); \$64,132.00. |
| 2010 | Two-year Postdoctoral Fellowship awarded by the University of Milan, Italy (ca. € 80,000) (<i>declined</i>) |
| 2006 – 2010 | Three-year PhD fellowship awarded by the Italian Ministry for University and Research (MIUR) (ca. € 40,000) |

Competitive Internal Funds

Tot awarded (excluding fellowships): \$20,050

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| 2017 | “FiBRE: Fukushima Birds Radiation Effects”, Research, Scholarship & Creative Activities (RSCA) Program, Cal Poly Pomona (PI), \$5,000 |
| 2012 | “Proposed Purchase of a SAM 940 Radiation Isotope Identifier (RIID)” ASPIRE-III program, Office of the Vice President for Research, USC (co-PI; with T.A. Mousseau, PI) \$15,050.00. |
| 2011 – 2014 | Faculty advisor (PI) on proposals funded by USC’s Magellan Scholar Program for undergraduate research (Total: \$12,000 awarded to five undergraduate students) |
| 2006 | Research grant awarded by the University of Milan, Milan, Italy (€ 6,000) |
| 2006 | Research grant for research abroad, University of Milan, Italy (€ 15,000) (<i>Declined</i>) |

TEACHING AND MENTORING EXPERIENCE

Teaching experience

Introduction to Meta-Analysis (graduate)

Instructor; Cal Poly Pomona (ca. 15 students)

Fall 2018**Ecotoxicology**

Instructor; Cal Poly Pomona (ca. 40 students)

Fall 2017, Fall 2018**Avian Biology**

Instructor; Cal Poly Pomona (ca. 30 students)

Spring 2018**Foundations of Biology: Reproduction and Development**

Instructor; Cal Poly Pomona (ca. 90 students)

Fall 2016, Spring, Winter 2017**Oceans and Society**

Instructor; U of SC Honors College (ca. 25 students)

Fall 2012, Spring 2013**Evolutionary Biology**

Co-instructor; U of SC (ca. 10 students)

Spring 2013**Environmental Science.**

Co-instructor; U of SC (50-70 students)

Fall 2013, Spring 2014/Fall 2014

Mentoring experience

Undergraduate students:**Cal Poly Pomona:** Deborah Wheeler, Alexandra Gresham**Louisiana State University:** Regan Higgins-Lang, Sarah Buckley, Shelby Fletcher**University of South Carolina:** Andrew Voris (*Honors thesis*), Leila Heidari (*Science Undergraduate Research Fellowships (SURF) grant*), Humna Fayyaz (*USC Magellan Scholarship; SURF grant; Honors thesis*), Hirva Chudgar (*Independent study*); Alexandra Golden (*USC Magellan Scholarship*), Michael Owens (*USC Magellan Scholarship; SURF grant*), Kaitlyn Bretz (*USC Magellan Scholarship*), Daniel Young (*USC Magellan Scholarship*), Justin Sindoni (*SURF grant*), Irraj Iftikhar, Angela Korabik (*Independent study*)**University of Milan:** Stefania Bocchi, Alessandra Tecla Gerevini, Federico Mazzoleni, Umberto Oldani, Daniel Patelli, Maria Prinzivalli, Andrea Romano, Paola Usorini**Graduate students:****Cal Poly Pomona:** Yeraldi Loera (M.S.), Anthony Dant (M.S.), Aaron Angel (M.S.), Samia Ladner (M.S.)**University of South Carolina:** DeAnna E. Beasley (Ph.D. student; co-supervised with Tim Mousseau), Shanna Jenkinson (formerly Shanna Ostermiller; Ph.D. student; co-supervised with Tim Mousseau); Daniel Einor (Ph.D. student; co-supervised with Tim Mousseau)**University of Milan:** Elisabetta Bonati (M.S. student), Damiano Cagnetti (M.S. student), Angelo Matteo (M.S. Student), Irene Sofia (M.S. student), Vincenzo Pignataro (M.S. student)

CONFERENCE PRESENTATIONS

ORAL PRESENTATIONS

- 2018** **Bonisoli-Alquati A.** The potential and challenges of photography in science communication SETAC World Meeting, November 4-8, 2018. Sacramento, CA.
- 2018** Snider A., **Bonisoli-Alquati A.**, S. Woltmann, P.C. Stouffer, S. S. Taylor. Genetic Assessment of the Long-Term Diet of Seaside Sparrows (*Ammodramus maritimus*) in Response to Oil and Altered Prey Communities. International Ornithological Congress, August 20–26. Vancouver, CA.
- 2018** **Bonisoli-Alquati A.**, A.P. Møller, T. Mappes, G. Milinevsky, T.A. Mousseau. Interspecific differences in resistance to oxidative damage in Chernobyl birds depend on plumage coloration and intensity of sexual selection. International Ornithological Congress (IOC), August 20–26. Vancouver, CA.
- 2018** Formenti G., M. Chiara, L. Poveda, **A. Bonisoli-Alquati**, L. Gianfranceschi, D. S. Horner, N. M. F. Saino. A novel Barn swallow reference genome assembly based on SMRT long reads and optical mapping. SMRT Leiden Conference, June 12-14, 2018. Leiden, The Netherlands.
- 2018** **Bonisoli-Alquati A.**, W. Xu, P. C. Stouffer, S. S. Taylor. Transcriptome analysis indicates broad response in Seaside Sparrows exposed to Deepwater Horizon oil. Southern California Academy of Sciences Meeting, May 4, 2018, Cal Poly Pomona, Pomona, CA.
- 2018** Snider A., **A. Bonisoli Alquati**, S. Woltmann, P.C. Stouffer, S. S. Taylor. Six Years After Deepwater Horizon: Diet Analysis of the Seaside Sparrow (*Ammodramus maritimus*) Using DNA Barcoding. Gulf of Mexico Oil Spill & Ecosystem Science Conference 2017. New Orleans, LA, 6-9 February.
- 2017** **Bonisoli Alquati A.**, C. Bergeon Burns, C. Eagles-Smith, A. Jackson, P. Stouffer, S. S. Taylor, S. Woltmann. Mercury concentrations in Louisiana marsh birds and small mammals on opposite sides of the Mississippi River plume. SETAC World Meeting, November 12-16, 2017. Minneapolis, MN.
- 2017** **Bonisoli Alquati A.** The use of photography in science communication: Its potential and its challenges. SETAC Europe 27th Annual Meeting, 7-11 May 2017. Brussels, Belgium.
- 2017** Stouffer P.C., S.S. Taylor, S. Woltmann, C. Bergeon Burns, **A. Bonisoli Alquati**, A. Perez-Umphrey, M. Hart. Reconciling the disconnect between individual-level and population-level responses to contamination in Seaside Sparrows. Gulf of Mexico Oil spill and Ecosystem Science Conference, February 6-9, 2016. New Orleans, LA.
- 2017** **Bonisoli Alquati A.**, Stouffer P.C., Bergeon Burns C., Woltmann S., Xu W., Taylor S.S. The transcriptomic response to oil contamination in Louisiana Seaside Sparrows. Gulf of Mexico Oil spill and Ecosystem Science Conference, February 6-9, 2016. New Orleans, LA.
- 2016** **Bonisoli Alquati A.**, Stouffer P.C., Bergeon Burns C., Woltmann S., Xu W., Taylor S.S. Transcriptomic response to oil contamination in Louisiana Seaside Sparrows. North American Ornithological Conference (NAOC), August 16-20, 2016. Washington, DC.
- 2016** **Bonisoli Alquati A.**, Stouffer P.C., Taylor S.S. The ecological effects of the Deepwater Horizon oil spill: A meta-analysis. Gulf of Mexico Oil spill and Ecosystem Science Conference, February 1-4, 2016. Tampa, FL.

- 2016** Woltmann, S., Stouffer, P. C., **Bonisoli Alquati, A.**, Bergeon Burns, C., Olin, J., & Taylor, S. S. (2016). Living on the Edge: Understanding Seaside Sparrows in the Wake of the Deepwater Horizon Oil Spill. Gulf of Mexico Oil spill and Ecosystem Science Conference, February 1-4, 2016. Tampa, FL.
- 2014** **Bonisoli Alquati A.**, Tedeschi D.J., Møller A.P., Mousseau T.A. Bird species differ in their sensitivity to the genotoxic effects of radionuclides in Chernobyl. (Chair of the Symposium: *The effects of environmental contaminants on birds, and the utility of birds as biomonitors of pollution*). AOU/COS Annual Meeting, September 24-27, 2014. Estes Park, CO.
- 2013** **Bonisoli Alquati A.**, Tedeschi D.J, Møller A.P., Mousseau T.A. Variation across bird species in exposure to radioactive contamination in the Chernobyl region. AOU/COS Annual Meeting, August 12-17, 2013. Chicago, IL.
- 2012** **Bonisoli Alquati A.**, Mousseau T.A. The Chernobyl Research Initiative (CRI) and the Fukushima Research Initiative (FRI). National Center for Radioecology (NCoRE) Meeting August 15-16, 2012. Aiken, SC.
- 2010** **Bonisoli Alquati A.**, Møller A.P., Rudolfsen G., Ostermiller S., Caprioli M., Saino N., Mousseau T.A. Antioxidant defenses and sperm swimming behavior in barn swallows from Chernobyl. 95th ESA Annual Meeting August 1-6, 2010. Pittsburgh, PA.
- 2007** **Bonisoli Alquati A.**, Rubolini D., Romano M., Saino N. "Early maternal effects mediated by antioxidant defences in yellow-legged gull (*Larus michahellis*) chicks" Italian Society for Ecology (SItE), XVII Annual Meeting, Ancona, Italy, 2007.

RECENT POSTER PRESENTATIONS

- 2017** Loera Y., **Bonisoli Alquati A.** The effects of ionizing radiation on mutation rates: A Meta-analysis. SETAC World Meeting, November 12-16, 2017. Minneapolis, MN.
- 2017** **Bonisoli-Alquati A.**, Møller A.P., Tedeschi D.J., Milinevsky G., Mousseau T.A. Environmental radiation levels accurately predict past radiation exposure in Chernobyl birds. International Conference on Radioecology and Environmental Radioactivity (ICRER), September 4-8, 2017, Berlin, Germany.
- 2017** Snider A., **Bonisoli Alquati A.**, Woltmann S., Stouffer P.C., Taylor S. S. Six years after Deepwater Horizon: Diet analysis of the Seaside Sparrow (*Ammodramus maritimus*) using DNA barcoding. Gulf of Mexico Oil Spill & Ecosystem Science Conference 2017. 6-9 February. New Orleans, LA.
- 2016** Hart M., Stouffer P. C., Taylor S. S., Bergeon Burns C. M., **Bonisoli Alquati A.**, Woltmann S. Seaside Sparrow (*Ammodramus maritimus*) nest success following the Deepwater Horizon oil spill. North American Ornithological Conference (NAOC), August 16-20, 2016. Washington, DC.
- 2016** Perez-Umphrey A., Jonsson C., **Bonisoli Alquati A.**, Stouffer P. C., Taylor S. S. Immunogenetics of the marsh rice rat (*Oryzomys palustris*) in Louisiana salt marshes impacted by the 2010 Deepwater Horizon oil spill. Southeastern Association of Fish & Wildlife Agencies 70th Annual Conference. October 16—19. Baton Rouge, LA.
- 2016** Snider A., **Bonisoli-Alquati, A.**, Woltmann, S., Stouffer, P. C., & Taylor, S. S. (2016). Six years after Deepwater Horizon: Diet analysis of the Seaside Sparrow (*Ammodramus maritimus*) using DNA barcoding. Southeastern Association of Fish & Wildlife Agencies 70th Annual Conference. October 16—19. Baton Rouge, LA.

2016 **Bonisoli Alquati A.**, Stouffer P.C., Bergeon Burns C., Woltmann S., Xu W., Taylor S.S. Gene expression response to oil contamination in Louisiana Seaside Sparrows. SETAC World Meeting, November 7-10, 2016. Orlando, FL.

INVITED TALKS AND SEMINARS

- 2018** DEPARTMENT OF BIOLOGICAL SCIENCES, OCCIDENTAL COLLEGE. LOS ANGELES, CA.
2018 DEPARTMENT OF BIOLOGICAL SCIENCES, CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO.
2017 NATO-sponsored workshop: Biomarkers of Radiation in The Environment (BRITE). Yerevan, Armenia.
2017 DEPARTMENT OF BIOLOGICAL SCIENCES, CLEMSON UNIVERSITY. CLEMSON, SC.
2017 DEPARTMENT OF BIOLOGICAL SCIENCES, LOMA LINDA UNIVERSITY. LOMA LINDA, CA.
2016 DEPARTMENT OF BIOLOGICAL SCIENCES, CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA. Chernobyl, Fukushima, and the Deepwater Horizon oil spill: Ecological Lessons from Environmental Disasters.
2016 LSU MUSEUM OF NATURAL SCIENCES, LOUISIANA STATE UNIVERSITY. Oxidative stress and life history: Lessons from the Chernobyl nuclear disaster.
2015 SCHOOL OF RENEWABLE NATURAL RESOURCES, LOUISIANA STATE UNIVERSITY AGCENTER. Chernobyl and Fukushima: Ecological and Evolutionary Lessons from Nuclear Disasters.

SERVICE

- 2014 – 2015** **President of the Postdoctoral Association of USC**
2009 – current **Reviewer for:** *African Entomology, The American Naturalist, Animal Production Science, Behavioral Ecology, Behavioral Ecology and Sociobiology, Biological Journal of the Linnean Society, Current Zoology, Ecological Indicators, Ecotoxicology, Ecotoxicology and Environmental Safety, Environmental Pollution, Frontiers in Ecology and Evolution, Italian Journal of Zoology, Naturwissenschaften, Nutrients, Oecologia, Open Science, Physiological and Biochemical Zoology, PLoS One, Scientific Reports, Symmetry, Water*

PROFESSIONAL AFFILIATIONS

- | | |
|---|----------------|
| Society of Environmental Toxicology and Chemistry (SETAC) | 2016 - present |
| National Center for Radioecology (NCoRE; Founding member) | 2010 - present |
| American Ornithologists Union | 2013 – present |
| Ecological Society of America (ESA) | 2007 – 2010 |

LANGUAGES

Italian: mother tongue

English: fluent (reading, writing, speaking)

Spanish: proficient (speaking, reading), basic (writing)

French: basic (reading, speaking)