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PERSONAL DATA

- Born: September 4, 1966; New Jersey, USA
- Citizenship: USA
- Married to Sophie Miller

EMPLOYMENT & EDUCATION

- 2015-present: Professor of Ecology, School of Biological Sciences, University of East Anglia, Norwich, UK
- 2008-present: Principal Investigator, State Key Laboratory of Genetic Resources and Evolution at the Kunming Institute of Zoology, Kunming, China
- 2010-2015: Reader, School of Biological Sciences, University of East Anglia, Norwich, UK
- 2000-2010: Lecturer, School of Biological Sciences, University of East Anglia, Norwich, UK
- 1999-2000: Postdoctoral Research Associate, NERC Centre for Population Biology, Imperial College at Silwood Park
- 1999: Lecturer in Ecology, Bio19, at Harvard University
- 1998: NSF-NATO Postdoctoral Fellow at Imperial College at Silwood Park
- 1997: Ph.D., M.S., Dept. of Organismic and Evolutionary Biology, Harvard University
- 1987-1990: Marketing representative, IBM Corporation
- 1987: A.B. Princeton University

GRANTS SINCE 2001

- 2017: CAS 135 grant (Earth Observation to Biodiversity) RMB 1,000,000
- 2017: CAS Leading Directions grant 中科院前沿科学重点研究项目 QYZDY-SSW-SMCo24 (iDNA for park performance) RMB 4,000,000
- 2017: Leverhulme Trust Research Fellowship (Earth Observation to Biodiversity) £49,608
- 2016: CAS international cooperation grant GJHZ1754 (Mitogenomics of climate change, PI) RMB 1,000,000
- 2016: Harvard Global Institute (iDNA for park performance, Co-I, PI Naomi Pierce) US\$200,000
- 2016: National Science Foundation China (NSFC) 31670536 (iDNA for park performance) PI RMB 713,000
- 2016: Belmont Forum/National Science Foundation China (NSFC) 41661144002 (Biodiversity and Socioeconomic Impacts of Forest Dieback, Co-I, PI Carlos Lopez-Vaamonde) €176,000
- 2015: NERC UK Follow-on-Fund (NatureMetrics development, PI, co-I Alfried Vogler) £250,000
- 2015: NERC UK Research Grant (Microbiome metabolomics and genomics, CoI, PI Matt Hutchings, CoIs Barrie Wilkinson, Colin Murrell) £998,000
- 2014: Academy of Finland (Mitogenomics of climate change, Co-I, PI Tomas Roslin) €774,640
- 2014: The Ella and Georg Ehrnrooth Foundation (Mitogenomics of climate change, Co-I, PI Tomas Roslin) €60,000
- 2012: NERC UK Research Grant (Microbiome evolution, Co-I, PI Matt Hutchings) £422,000
- 2011: Ministry of Science and Technology (MOST) 2012FY110800 China (barcoding) PI RMB 8,080,000
- 2011: National Science Foundation China (NSFC) 31170498 (metabarcoding) PI RMB 700,000
- 2010: Chinese Academy of Sciences (spatial, molecular ecology) PI RMB 2,000,000

- 2008: Yunnan Province Science and Technology Bureau grant for ECEC
云南省高端科技人才引进计划 (20080A001) PI RMB 4,500,000
- 2008: MRC UK Milstein Award (ant-bacteria mutualisms)
Co-I, PI Matt Hutchings, Co-I Rebecca Goss) £400,000
- 2007: European Science Foundation/EUROCORES/TECT/BIOCONTRACT ~ €824,000
- 2005: ESRC/NERC UK Interdisciplinary studentship grant
(Economic valuation of ecotourism in Peru) £45,000
- 2005: National Geographic Society (terrestrial vertebrate censuses) \$21,000
- 2005: NERC UK Research Grant (fig-wasp conflict resolution, co-PI James Cook) £260,000
- 2004: Marie Curie Intra-European Fellowship (ant dispersal,
post-doctoral fellow Gabriel Debout) €168,000
- 2004: Leverhulme Trust UK (people-park conflicts, co-PIs Carlos Peres, Glenn Shepard) £239,000
- 2002: British Ecological Society Small Ecological Project Grant £2000
- 2002: NERC UK Research Grant (signalling in mutualisms) £31,000
- 2002: European Science Foundation Exploratory Meeting Grant €14,000
- 2001: NERC UK Research Grant (spatial ecology) £31,000

RESEARCH FOCI

- **High-throughput biodiversity assessment:** Metabarcoding, mitogenomics, eDNA, and iDNA for biodiversity assessment and biomonitoring; Conservation biology and policy, esp. in tropical ecosystems;
- **Evolution of mutualism:** emphasis on microbiomes and the application of game theory to mutualisms

SERVICE

- 2015-present: UEA China Dialogue Working Group, NBAF Steering Committee member, NERC Highlight Topics Panel member, EO-BESS Workshop member, NERC Future Landscapes Strategic Programme Area Scoping Panel member
- 2014: UEA Instructions to Examiners Working Group
- 2013-present: Associate Editor for *Methods in Ecology and Evolution*
- 2012-2015: External examiner for MSc in Conservation Science, Imperial College at Silwood Park

FIELDWORK

I am a native English speaker, and I speak Spanish and Chinese fluently. I have conducted extensive fieldwork in Amazonian Peru since 1991, including several seasons amongst the Matsigenka indigenous peoples of Manu Park. I am now carrying out fieldwork in SW China and SE Asia and have also worked in Ecuador, Venezuela, French Guiana, and Mexico.

POSTDOCTORAL ASSOCIATES AND STUDENTS

- *Postdoctoral associates*
- 2004-2007: Glenn Shepard (Goeldi Museum, Brazil, curator and faculty member)
- 2004-2007: Julia Ohl-Schacherer (Green Party Germany)
- 2004-2006: Gabriel Debout (deceased)
- 2005-2008: Derek Dunn (Northwest University, China, faculty member)
- 2007-2010: Marco Archetti (University of East Anglia, faculty member)
- 2007-2008: Jo Ridley (running a self-sufficient farm)
- 2009-2010: YIN Jiangxia (Heilongjiang University staff)
- 2009-2015: Ryan Seipke (Leeds University, faculty member)
- 2014-2014: Mahmoud Al-Bassam (University of California San Diego, PDRA)
- 2014-2016: YANG Chenxue (KIZ)
- 2009-present: JI Yinqiu (KIZ)

2010-present: YANG Yahan (KIZ)
2013-present: WANG Jiaxin (KIZ)
2016-present: Kristine Bohmann (UEA)

- *Ph.D.*

2001-2005: David Edwards (Sheffield University, faculty member)
2005-2011: Chris Kirkby (founder of FaunaForever.org)
2008-2013: Joerg Barke
2010-2014: Catharine Powell (founder of NatureMetrics)
2010-2014: YANG Chenxue (KIZ)
2012-2016: ZHANG Kai (KIZ)
2013-present: WANG Xiaoyang (KIZ)
2015-present: CAI Wang (KIZ)
2016-present: LUO Minjie (KIZ)

- *M.Sc. by Research*

2007-2010: Renzo Giudice (Ph.D. candidate)
2009-2011: WANG Hui (employed in industry)
2009- 2011: LIU Chuang (employed in industry)

INVITED TALKS AND PLENARIES IN THE LAST FIVE YEARS

2017: University of Grenoble (France), Leibniz-Institute of Freshwater Ecology and Inland Fisheries (Germany), University of Kent (UK)
2016: Oxford University (UK), University of Copenhagen (Denmark), Metabarcoding school (Kunming, China), 2nd Annual Meeting in Conservation Genetics (Göttingen, Germany)
2015: Harvard University (US), Metabarcoding school (Bialowieza, Poland), Sun Yat Sen University (Guangzhou, China), Genome Science 2015 (Birmingham, UK), Eco-Stats Conference (Sydney, Australia)
2014: London Natural History Museum; Metabarcoding school (Tromsø, Norway); Ecological Society of Yunnan (Qujing, Yunnan)
2013: Bangor University; Beijing Normal University; University of Texas Austin; University of Copenhagen; London Natural History Museum Environmental Genomics conference; Environmental Omics Conference Cardiff (plenary); Wageningen University; Senckenberg Research Institute; Berlin Museum für Naturkunde; International Barcode of Life Conference (plenary)

PUBLICATIONS

In preparation

1. Boza, G., Yu, D.W., Worsley, S., Scheuring, I. **Efficient assembly and long-term stability of defensive microbiomes via private resources and community bistability.**
2. Ji, Y.Q., Wang J.X., Xu, C.X., Chesters, D.C., Gray, T., Robichaud, W., Timmins, R., Tilker, A., and D.W. Yu. **Leech-iDNA surveys of SE Asian mammal communities for rare species detection and protected-area performance monitoring.**

In manuscript

1. Tang, C.Q., Yu, D.W., Buxton, A., Durrant, C., Rees, H., Townend, S., Vogler, A.P., Bruce, C. **Two new qPCR assays for eDNA of the great crested newt (*Triturus cristatus*).**
2. Archetti, M.A., J. B. Miller, and D.W. Yu. **Evolution of passwords for cost-free, honest signalling between hosts and symbionts.** *bioRxiv preprint*: doi: <http://dx.doi.org/10.1101/065755>
3. Hua, F.Y., Wang, L., Fisher, B., Zheng, X.L., Wang, X.Y., Yu, D.W., Tang, Y., Zhu, J.G., Wilcove, D.S. **Plantations replacing native forest and abandoned cropland: the nature of apparent**

forest recovery in southwestern China

4. Kocher, S.D., Mallarino, R., Rubin, B.E.R., Yu, D.W., Hoekstra, H.E., Pierce N.E. **A genetic basis for eusociality in a halictid bee**

Journal articles and book chapters

1. Andújar, C., Arribas, P., Gray, C., Bruce, C., Woodward, G., Yu, D.W., Vogler, A.P. (2017) **Metabarcoding of freshwater invertebrates to detect the effects of a pesticide spill.** *Molecular Ecology*.
2. Bush, A., Sollmann, R., Wilting, A., Bohmann, K., Cole, B., Balzter, H., Martius, C., Zlinszky, A., Calvignac-Spencer, S., Cobbold, C. A., Dawson, T.P., Emerson, B. C., Ferrier, S., Gilbert, M. T. P., Herold, M., Jones, L., Leendertz, F. H., Matthews, L., Millington, J. D. A., Olson, J., Ovaskainen, O., Raffaelli, D., Reeve, R., Rödel, M.-O., Rodgers, T. W., Snape, S., Visseren-Hamakers, I., Vogler, A. P., White, P. C. L., Wooster, M. J., D. W. Yu. (2017) **Connecting Earth Observation to High-Throughput Biodiversity Data.** *Nature Ecology and Evolution*. 1:0176. doi: 10.1038/s41559-017-0176.
3. Rodgers, T.W., Xu, C. C. Y., Giacalone, J., Kapheim, K. M., Saltonstall, K., Vargas, M., Yu, D. W., Somervuo, P., Jansen, P. A., McMillan, W. O. **Carion fly-derived DNA metabarcoding is an effective tool for mammal surveys: evidence from a known tropical mammal community.** *Molecular Ecology Resources*. doi: 10.1111/1755-0998.12701. *bioRxiv* preprint: <https://doi.org/10.1101/133405>.
4. Cai, W., Ma, Z.X., Yang, C.Y., Wang, L., Wang, W.Z., Zhao, G.G., Geng, Y.P., Yu, D.W. (2017) **Using eDNA to detect the distribution and density of invasive crayfish in the Honghe-Hani Rice Terrace World Heritage Site.** *PLoS ONE*. *bioRxiv* preprint: doi: <https://doi.org/10.1101/109074>.
5. Holmes, N. A., T. M. Innocent, D. Heine, M. Al Bassam, S. F. Worsley, F. Trottman, E. H. Patrick, et al. (2017) **Genome analysis of two *Pseudonocardia* phylotypes associated with *Acromyrmex* leafcutter ants reveals their biosynthetic potential.** *Frontiers in Microbiology* 7:2073. doi:10.3389/fmicb.2016.02073.
6. Somervuo, P., D. W. Yu, C. C. Y. Xu, Y. Ji, J. Hultman, H. Wirta, and O. Ovaskainen. (2017) **Quantifying uncertainty of taxonomic placement in DNA barcoding and metabarcoding.** *Methods in Ecology and Evolution* 8:398–407. doi: 10.1111/2041-210X.12721
7. Orkin, J.D., Yang, Y.M., Yang, C.Y., Yu, D.W., Jiang, X.L. (2016) **Cost-effective scat-detection dogs: unleashing a powerful new tool for international mammalian conservation biology.** *Scientific Reports*. doi:10.1038/srep34758
<http://blogs.plos.org/ecology/2016/10/17/detection-dogs-sniff-out-the-droppings-of-endangered-primates/>
8. Hua, F.Y., Wang, X.Y., Zheng, X.L. Dorazio, R.M. Fisher, B., Wang, L., Zhu, J.G., Tang, Y., Yu, D.W., and D. S. Wilcove. (2016) **Opportunities for biodiversity gains under the world's largest reforestation program.** *Nature Communications*. 7:12717. doi:10.1038/ncomms12717
9. Zhang, K., Lin, S.L., Ji, Y.Q., Yang, C.X., Wang, X.Y., Yang, C.Y., Wang, H.S., Jiang, H.S., Harrison, R., and D.W. Yu. (2016) **Plant diversity accurately predicts insect diversity in two tropical landscapes.** *Molecular Ecology* 25:4407–4419. doi:10.1111/mec.13770. *bioRxiv* preprint: <http://dx.doi.org/10.1101/040105>
10. Yang, C. Y., Schaefer, D.A., Liu, W.J., Popescu, V.D., Yang, C.X., Wang X.Y., Wu, C.Y., D.W. Yu. (2016) **Higher fungal diversity is correlated with lower CO₂ emissions from dead wood in a natural forest.** *Scientific Reports*. 6:31066; doi:10.1038/srep31066. *bioRxiv* preprint: <http://dx.doi.org/10.1101/051235>
11. Crampton-Platt, A., Yu, D.W., Zhou X., Vogler, A.P. (2016) **Mitochondrial metagenomics: Letting the genes out of the bottle.** *GigaScience* 5:15. doi:10.1186/s13742-016-0120-y.
12. Schnell, I.B., R. Sollmann, S. Calvignac-Spencer, M.E. Siddall, D.W. Yu, A. Wilting, and M.T.P. Gilbert (2015) **iDNA from terrestrial haematophagous leeches as a wildlife surveying and monitoring tool – prospects, pitfalls and avenues to be developed.** *Frontiers in Zoology* 12:302. doi:10.1186/s12983-015-0115-z.

<http://www.theatlantic.com/science/archive/2015/09/the-leech-census/404764/>

<http://www.bbc.co.uk/programmes/p032fsx8>

13. Tang, M., Hardman, C.J., Ji, Y.Q., Meng, G.L., Liu, S.L., Tan, M.H., Yang, S.Z., Moss, E.D., Yang, C.X., Bruce, C., Nevard, T., Potts, S.G., Zhou, X., and D.W. Yu. (2015) **High-throughput monitoring of wild bee diversity and abundance via mitogenomics**. *Methods in Ecology and Evolution*. **6**:1034–1043.
14. Ren, G.P., Young, S., Wang, L., Wang, W., Long, Y.C., Wu, R.D., Li, J.S., Zhu, J.G., and D.W. Yu. (2015) **Effectiveness of China's National Forest Protection Program and Nature Reserves**. *Conservation Biology*. **29**:1368–1377.
15. He, D., Wu, R., Feng, Y., Li, Y., Ding, C. & Wang, W., and D.W. Yu. (2014) **China's transboundary waters: Water and ecological security through applied ecology**. *Journal of Applied Ecology* **51**:1159–1168.
16. Gao H., Grüşchow S., Barke J., Seipke R.F., Hill L.M., Orivel J., Yu D.W., Hutchings M.I. & Goss R.J.M. (2014) **Filipins: the first antifungal "weed killers" identified from bacteria isolated from the trap-ant**. *RSC Advances* **4**:57267–57270.
17. Edwards, D.P., Magrach, A., Woodcock, P., Lim, N.T.L., Edwards, F.A., Larsen, T.H., Hsu, W.W., Benedick, S., Khen, C.V., Chung, A.Y.C., Hamer, K.C., Wilcove, D.S., Yu, D.W. (2014) **Selective-logging and oil palm: multitaxon impacts, biodiversity indicators, and trade-offs for conservation planning**. *Ecological Applications* **24**:2029–2049.
18. Scott, I. M., Josephson, S. C., Boyette, A., Clark, A. P., Fried, R., Gibson, M., Hewlett, B., Jamieson, M., Jankowiak, W., Honey, P. L., Huang, Z., Liebert, M. A., Purzycki, B. G., Shaver, J., Sosis, R., Snodgrass, J. J., Sugiyama, L. S., Swami, V., Yu, D. W., Zhao, Y. & Penton-Voak, I. S. (2014) **Human preferences for sexually dimorphic faces may be evolutionarily novel**. *Proceedings of the National Academy of Sciences USA* **111**:14388–14393.
19. Harris, R.B., Zhou, J.K., Ji, Y.Q., Kai, Z., Yang, C.Y., Yu, D.W. (2014) **Evidence that the Tibetan fox is an obligate predator of the plateau pika: conservation implications**. *Journal of Mammalogy* **95**:1207–1221.
20. Yang, C.X., Wang, X.Y., Miller, J.A., de Blécourt, M., Ji, Y.Q., Yang C.Y., Harrison, R.D., Yu, D.W. (2014) **Using metabarcoding to ask if easily collected soil and leaf-litter fauna can be used as a general biodiversity indicator**. *Ecological Indicators* **46**:379–389.
21. Bohmann, K., Evans, A., Gilbert, M.T.P., Carvalho, G.R., Creer, S., Knapp, M., Yu, D.W., de Bruyn, M. (2014) **Environmental DNA for wildlife biology and biodiversity monitoring**. *TREE* **29**:358–367.
22. Bayliss, J., Schaafsma, M., Balmford, A., Burgess, N.D., Green, J.M.H., Madoffe, S.S., Okayasu, S., Peh, K.S-H., Platts, P.J., Yu, D.W. (2014) **The current and future value of nature-based tourism in the Eastern Arc Mountains of Tanzania**. *Ecosystem Services* **8**:75–83.
23. Kocher, S., L. Cai, Yang, W., Tan, H., Yi, S.V., Yang, X.Y., Hoekstra, H., Zhang, G.J., H. Pierce, N. E., Yu, D.W. (2013) **The draft genome of a socially polymorphic halictid bee, *Lasioglossum albipes***. *Genome Biology* **14**:R142. **Highly accessed**
www.biomedcentral.com/biome/a-bugs-life-genetic-insights-to-the-social-lives-of-sweat-bees-and-fig-wasps
24. Liu, S.L., Li, Y.Y., Lu, J.L., Su, X., Tang, M., Zhou, L., Zhou, C., Yang, Q., Ji, Y.Q., Yu, D.W., and Zhou, X. (2013) **SOAPBarcode: revealing arthropod biodiversity through assembly of Illumina shotgun sequences of PCR amplicons**. *Methods in Ecology & Evolution* **4**:1142–1150.
25. Ji, Y. Q., Ashton, L., Pedley, S. M., Edwards, D. P., Tang, Y., Nakamura, A., Kitching, R. L., Dolman, P., Woodcock, P., Edwards, F. A., Larsen, T. H., Hsu, W. W., Benedick, S., Hamer, K. C., Wilcove, D. S., Bruce, C., Wang, X. Y., Levi, T., Lott, M., Emerson, B. C. & Yu, D. W. (2013) **Reliable, verifiable, and efficient monitoring of biodiversity via metabarcoding**. *Ecology Letters* **16**:1245–1257.

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www.takepart.com/article/2013/08/07/dna-barcoding-parasites-to-find-animals

news.mongabay.com/2014/0124-rowland-insect-soup-metabarcoding-changing-conservation.html

26. Seipke, R. F., J. Barke, D. Heavens, D. Yu, and M. I. Hutchings. (2013) **Analysis of the bacterial communities associated with two ant-plant symbioses.** *MicrobiologyOpen* 2:276–283.
27. Yu, D. W., Shepard, G. H., Ohl-Schacherer, J. & Levi, T. (2013) **Resolviendo el conflicto “parque-personas” en el Manu, con la estrategia ‘Ocupar la Amazonía’.** *Reporte Manu 2013: Pasión por la investigación en la Amazonía Peruana* (eds. J. Groenendijk, A. Tovar & W. Wust), pp. 342–368. San Diego Zoo Global Peru y SERNANP, Lima, Peru.
28. Ramirez-Gonzalez, R., D. W. Yu, C. Bruce, D. Heavens, M. Caccamo, and B. C. Emerson (2013) **PyroClean: Denoising pyrosequences from protein coding amplicons for the recovery of interspecific and intraspecific genetic variation.** *PLoS ONE* 8: e57615.
29. Beckschäfer, P., P. Mundhenk, C. Kleinn, Y. Ji, D.W. Yu and R.D. Harrison. (2013) **Enhanced structural complexity index: an improved index for describing forest structural complexity.** *Open Journal of Forestry* 3:23-29.
30. Wang, H., J. Ridley, D. W. Dunn, R. W. Wang, J. M. Cook, and D. W. Yu. (2013) **Biased oviposition and biased survival together help resolve a fig-wasp conflict.** *Oikos* 122:533–540.
31. Yang, C., Y. Ji, X. Wang, C. Yang, and D. W. Yu. 2012. **Testing three pipelines for 18S rDNA-based metabarcoding of soil faunal diversity.** *Science China Life Sciences* 56:73–81.
32. Scheuring, I., Yu, D.W. (2012) **How to assemble a beneficial microbiome in three easy steps.** *Ecology Letters* 15:1300-1307.
33. Yu, D.W., Ji, Y.Q., Emerson, B.C., Ding, Z.L., Wang, X.Y., Yang, C.Y., Ye, C.X. (2012) **Biodiversity soup: Metabarcoding for rapid, large-scale biodiversity assessment and biomonitoring of arthropods.** *Methods in Ecology & Evolution* 3:613–623.
Included in Virtual Issue: “Top Methods in Ecology and Evolution”
www.methodsinecologyandevolution.org/view/o/virtualIssues/topmethodsvirtualissue.html
34. Shepard, G.H., Levi, T. Neves, E.G., Peres, C.A., Yu, D.W. (2012) **Hunting in ancient and modern Amazonia: Rethinking sustainability.** *American Anthropologist* 114: 652–667.
35. Ye, C., Z. S. Ma, C. H. Cannon, M. Pop, and D. W. Yu. (2012) **Exploiting sparseness in de novo genome assembly.** *BMC Bioinformatics* 13:S1.
36. Archetti, M., Scheuring, I., Hoffman, M., Frederickson, M.E., Pierce, N.E., Yu, D.W. (2011) **Economic game theory for mutualism and cooperation.** *Ecology Letters* 14: 1300-1312.
37. Seipke, R.F., Barke, J., Ruiz-Gonzalez, M.X., Orivel, J., Yu, D.W., Hutchings, M.I. (2011) **Fungus-growing *Allomerus* ants are associated with antibiotic-producing Actinobacteria.** *Antonie van Leeuwenhoek* 101:443–447.
38. Seipke R.F., Barke J., Brearley C., Hill L., Yu D.W., Goss R.J.M. & Hutchings M.I. (2011) **A single *Streptomyces* mutualist makes multiple antifungals to support the fungus farming ant *Acromyrmex octospinosus*.** *PLoS ONE* 6: e22028.
39. Dunn, D. W., S. Jansen-González, J. M. Cook, D. W. Yu, and R. A. S. Pereira. (2011) **Measuring the discrepancy between fecundity and lifetime reproductive success in a pollinating fig wasp.** *Entomologia Experimentalis Et Applicata* 140:218-225.
40. Levi, T., Lu, F., Yu, D.W., Mangel, M. (2011) **The behavior and diet breadth of central-place foragers: an application to human hunters and Neotropical game management.** *Evolutionary Ecology Research* 13: 171–185.
41. Levi, T., Shepard Jr., G.H., Ohl-Schacherer, J., Wilmers, C., Peres, C.A., Yu, D.W. (2011) **Spatial tools for modeling the sustainability of subsistence hunting in tropical forests.** *Ecological Applications* 21: 1802-1818.
42. Wu R., Zhang S., Yu D.W., Zhao P., Li X., Wang L., Yu Q., Ma J., Chen A. & Long Y. (2011). **Effectiveness of China’s nature reserves in representing ecological diversity.** *Frontiers in Ecology and the Environment*. 9: 383-389.
43. Kirkby, C., Giudice, R., Day, B., Turner, R.K., Soares-Filho, B.F., Oliveira-Rodrigues, H., Yu, D.W. (2011) **Closing the ecotourism-conservation loop in Amazonian Peru.** *Environmental Conservation* 38: 6-17.
44. Archetti, M., Ubeda, F., Fudenberg, D., Green, J., Pierce, N.E., Yu, D.W. (2011) **Let the right one in: a microeconomic approach to partner choice in mutualisms.** *American Naturalist*. 177: 75-85.

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45. Barke, J., Seipke, R.F., Yu, D.W., Hutchings, M.I. (2011) **A mutualistic microbiome: How do fungus-growing ants select their antibiotic-producing bacteria?** Invited addendum in *Communicative & Integrative Biology* 4: 1-3.
46. Weyl, E.G., Frederickson, M.E., Yu, D.W., Pierce, N.E. (2010) **Economic contract theory tests models of mutualism.** *Proceedings of the National Academy of Sciences USA* 107: 15712–15716.
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47. Barke, J., Seipke, R.F., Gruschow, S., Heavens, D., Drou, N., Bibb, M.J., Goss, R.J.M., Yu, D.W., Hutchings, M.I., (2010) **A mixed community of actinomycetes produces multiple antibiotics for the fungus farming ant *Acromyrmex octospinosus*.** *BMC Biology* 8: 109.
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48. Kirkby, C., Giudice, R., Day, B., Turner, R.K., Velarde-Andrade, L.-M., Dueñas-Dueñas, A., Lara-Rivas, J.-C., Yu, D.W. (2010) **The market triumph of ecotourism: An economic investigation of the private and social benefits of competing land uses in the Peruvian Amazon.** *PLoS ONE* 5, e13015.
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49. Yu, D.W., Levi, T., Shepard, G.H. (2010) **Conservation in low-governance environments.** *Biotropica* 42: 569-571.
50. Bawa, K.S., Koh, L. P. Lee, T.M., Liu, J., Ramakrishnan, P.S., Yu, D.W. , Zhang, Y.-P., Raven, P.H. (2010) **China, India, and the environment.** *Science* 327: 1457-1458.
51. Debout, G. D. G., Frederickson, M., Aron, S., Yu, D.W. (2010) **Unexplained split sex ratios in the Neotropical symbiotic plant-ant, *Allomerus octoarticulatus* var. *demerarae* (Myrmicinae): a test of hypotheses.** *Evolution* 64: 126-141.
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