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**Educación:**

- 1966 Licenciatura con Distinción, Universidad de Purdue, West Lafayette, IN.
- 1970 Fundamentales en Biología Tropical: Organization de Estudios Tropicales, San Jose, Costa Rica.
- 1972 Ph.D., Neurobiología y Comportamiento, Cornell University, Ithaca, N.Y. (major prof. W.T. Keeton).
- 1973 Beca Postdoctoral; U. of Michigan, Dr. D.H. Janzen, Costa Rica.
- 1974 Beca Postdoctoral; Instituto Smithsonian, Panama.

**Experiencia Profesional:**

- .1966-1967 Cuerpo de Paz, República de Botswana.
- .1968-1971 Beca predoctoral, Universidad de Cornell, NY
- .1975-1988 Analisis de datos meteorológicos, Smithsonian, Panamá.
- .1978-1994 Facultad, Organización de Estudios Tropicales, cursos de campo (8).
- .1986 Coordinador de curso de campo en Entomología, Universidad de Panamá.
- .1975-2015 Biologo Investigador, Smithsonian, Panama.
- .1997-2004 Profesor Temporal, Universidad de Princeton, EEB 226.
- .2011 Coordinador del STRI curso de campo: "Interacciones, Comportamiento y Evolucion de Invertebrados, Santa Cruz, Bolivia.
- .2016-present Biologo Investigador Emeritus, Smithsonian Institution.

**Fuentes de apoyo en los ultimos años:**

- .Grupo Internacional de Biodiversidad, NIH-NSF, "Inventorios de Biodiversidad de Escarabajos de Panama", 1999-2003.
- .Smithsonian Scholarly Studies Program: "Consecuencias de infeccion de Wolbachia en poblaciones de escarabajos de hojas" (D. Windsor; J. Werren), 1999-2000.
- .NSF-Integrative Evolution and Biology (INB), F.V. Vencl (PI), D.J. Futuyma and C.F. Johnson (SUNY Stonybrook). "Patrones en la Macroevolucion de uso de plantas por Escarabajos tortugas y sus escudos de defensa", 1 Set 2002 - 31 Ag 2005.
- .Fundacion Galindo- *Lutzomyia* sand fly diversity and rates of infection by *Leishmania* and *Wolbachia* on Barro Colorado Island, Panama", 2007-8, \$25K.
- .NSF FIBR Grant #0328363 to J. Werren-PI(U. Rochester), "Integrative Studies of Wolbachia-Eukaryotic Interactions: Genomes to Communities and Back", 2003-2008.

### **Publicacions (desde 2007):**

[77] Cuignet, M., T. Hance, **D.M. Windsor**. 2007. Phylogenetic relationships of egg parasitoids (Hymenoptera; Eulophidae) and correlated life history characteristics of their Neotropical Cassidinae hosts (Coleoptera, Chrysomelidae). *Mol. Phylogenetics and Evolution* 42: 573-584.

[78] Richards, L. and **D. Windsor**. 2007. Seasonal variation of arthropod abundance in gaps and the understory of a lowland mosit forest in Panama. *J. Tropical Ecology* 23: 369-376.

[79] Vigneron, J.P., J.M. Pasteels, **D.M. Windsor**, Z. Vértesy, M. Rassart, T.Seldrum, J. Dumont, O. Deparis, V.Lousse, L.P. Biró, D.Ertz, and V. Welch. 2007. Switchable reflector in the Panamanian tortoise beetle *Charidotella egregia* (Chrysomelidae: Cassidinae). *Phys. Rev. E* 76, 031907 (2007).

[80] **Windsor, D.M.** 2007. Historia natural del escarabajo tortuga subsocial *Acromis sparsa* Boheman (Chrysomelidae, Cassidinae) en Panama. Pp177-189 in *Ecología y Evolucion en los Tropicos* (E. Leigh Jr., E. Herre, J. Jackson y F. Santos-Granero, editores) Imprelibros S.A., Colombia.

[81] Meskens, C., **D. Windsor** and T. Hance. 2008. A comparison of hispine beetles (Coleoptera, Chrysomelidae, Cassidinae) associated with three orders of monocot host plants in Lowland Panama. *Int. J. Trop. Insect Sci.* Vol 27, No. 3/4, pp. 159-171.

[82] Descampe, A., Meskens, C., Pasteels, J., **Windsor, D.** and T. Hance. 2008. Potential and realized feeding niches of Neotropical hispine beetles. *Environmental Entomology* Vol. 37, No. 1, pp. 224-229.

[83] Cuignet, M., **Windsor, D.**, Reardon, M. and T. Hance. 2008. The diversity and specificity of parasitoids attacking Neotropical tortoise beetles (Chrysomelidae: Cassidinae). Pp. 345-367 in, *Research on Chrysomelidae I* (Jolivet, P., Santiago-Blay, J., Schmitt, M.,editors). Brill Publishers, Leiden, The Netherlands.

[84] Helson, J.,Capson,T., Johns, T., Aiello, A. and **D. Windsor**. 2008. Ecologically and evolutionarily guided bioprospecting: the use of aposematic insects as potential guides to tropical rain forest plants with activity against disease. *Front. Ecol. Environ.* 7:(1-10).

- [85] Świętojańska, J. and **D. Windsor**. 2008. First descriptions of the mature larva and pupa of *Asteriza flavicornis* and the first instar larva of *Physonota alutacea* with a redescription of its mature larva and pupa (Coleoptera: Chrysomelidae: Cassidinae: Physonotini). *Annales Zoologici* 58(3): 641-665.
- [86] Clark, M. E., C. Bailey, P. Ferree, S. England, **D. Windsor**, and J. H. Werren. 2008. *Wollbachia* modification of sperm does not require residence within developing spermatids or spermatocytes. *Heredity* (2008): 1-9.
- [87] Van Bael, S.A., M.C. Valencia, E.I. Rojas, N. Gomez, **D. Windsor**, E. Herre. 2009. Effects of foliar endophytic fungi on the preference and performance of the leaf beetle, *Chelymorpha alternans* in Panama. *Biotropica* 41(2): 221-225.
- [88] Espino, T. Gomez, G. Gonzalez, M.F. Brazil do Santos, J. Solano, O. Sousa, N. Moreno, **D. Windsor**, A. Ying, S. Vilchez, and A. Osuna. 2009. Detection of Wolbachia bacteria in multiple organs and feces of the triatomine Insect *Rhodnius pallescens* (Hemiptera, Reduviidae). *Appl. And Environ. Microbiology* 75(2) 547-550.
- [89] Azprura, J., D. De La Cruz, A. Valderama, **D. Windsor**. 2010. *Lutzomyia* Sand fly diversity and rates of infection by *Wolbachia* and an exotic *Leishmania* species on Barro Colorado Island, Panama. *PLOS Neglected Tropical Diseases* 4(3): e627 (1-9).
- [90] Flinte, V., **D. Windsor**, L. Sekerka, M. Valverde de Macedo and R. Ferreira Monteiro. 2010. *Plagiometriona emarcida* (Boheman, 1855) and *Plagiometriona forcipata* (Boheman, 1855) (Coleoptera: Chrysomelidae: Cassidinae), a single species differing in larval performance and adult phenotype. *J. Nat. History* 44 (15-16): 891- 904.
- [91] Vigneron, J.P., P. Simonis, A. Aiello, A. Bay, **D. Windsor**, J. Colomer, and M. Rassart. 2010. Reverse color sequence in the diffraction of white light by the wing of the male butterfly *Pierella luna* (Nymphalidae: Satyrinae). *Physical Review E* 82, DOI: 10.1103/PhysRevE.82.021903
- [92] Dagvadorj, K.H. Shaker, **D. Windsor**, B Schneider and W. Boland. 2010. Phenolic glycosides from *Hasseltia floribunda*. *Phytochemistry* 71(16): 1900-1907.
- [93] Prado, A., J. Ledezma, L. Cubilla-Rios, J. Bede, **D. Windsor**. 2011. Two Genera of Aulacoscelinae Beetles Reflexively Bleed Azoxyglycosides Found in Their Host Cycads. *J. Chem. Ecol.* DOI 10.1007/s10886-011-9977-5.

- [94] Meskens, C., D. McKenna, T. Hance, **D. Windsor**. 2011. Host plant taxonomy and phenotype influence the structure of a neotropical host plant-hispine beetle food web. *Ecological Entom.* 36: 480-489.
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- [96] Sekerka, L. and **D. Windsor**. 2012. Two new species of *Plagiometriona* from Bolivia and Ecuador (Coleoptera: Chrysomelidae: Cassidinae: Cassidini)". *Annales Zoologici*. 62(4): 669-677.
- [97] Sekerka, L., C. Staines and **D. Windsor**. 2013. A new species of *Cephaloleia* from Panama with description of larva and first record of orchid-feeding in Cephaloleiini (Coleoptera: Chrysomelidae: Cassidinae). *Acta Entomologica Musei Nationalis Pragae* 53(1): 303-314.
- [98] **Windsor, D.**, G. Dury, F. Frieriro-Costa, S. Lanckowsky and J. Pasteels. 2013. Observations of Maternal care in seven species and three genera of Neotropical Doryphorini (Chrysomelidae, Chrysomelinae). *Zookeys* 332: 71-93.
- [99] Selerka, L., **D. Windsor** and G. Dury. 2014. *Cladispa* Baly: Revision, biology and reassignment of the genus to the tribe Spilophorini (Coleoptera: Chrysomelidae: Cassidinae). *Systematic Entomology* 39(3): 518-530.  
DOI: 10.1111/syen.12070
- [100] Prado, A., A. Sierra, **D. Windsor**, J.C. Bede. 2014. Leaf Traits and Herbivory Levels in a Tropical Gymnosperm, *Zamia stevensonii* (Zamiaceae). *American Journal of Botany* 101(3): 1-11.
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- [102] Carvalho, M.R., P. Wilf, H. Barrios, **D.M. Windsor**, E.D. Currano, C.C. Labandeira, C.A. Jaramillo. 2014. Insect Leaf-Chewing Damage Tracks Herbivore Richness in Modern and Ancient Forests. *Plos One* 9(5) e94950
- [103] Beran, F., Geiselhardt, S., Vargas, G., and D. Windsor. 2014. Cuticular extracts from *Acromis sparsa* (Coleoptera: Cassidinae) mediate arrestment behavior of the commensal canestriniid mite, *Grandiella rugosita*. *J Chemical Ecology*, DOI 10.1007/s10886-014-0494

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[105] Flinte, V., J.H. Viana, M.V. Macedo, **D. Windsor**, L. Sekerka. 2016. Revalidation and redescription of three distinct species synonymized as *Plagiometriona sahlbergi* (Coleoptera: Chrysomelidae: Cassidinae). *Acta Entomologica Musei Nationalis Pragae*. 56(2): 743-754.

[106] Pasteels, J.M., O. Deparis, S.R. Mouchet, **D.M. Windsor**, J. Billen 2016. Structural and physical evidence for an endocuticular gold reflector in the tortoise beetle, *Charidotella ambita*. *Arthropod Structure & Development* 45(2016): 509-518.