



Biosketch for Howard S. Ginsberg

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Professional Preparation

Undergraduate Institution SUNY @ Stony Brook, Biology, B.S. 1971
Graduate Institution Cornell University, Entomology, Ph.D. 1979
Postdoctoral Institutions SUNY @ Stony Brook, 1980-1985

Appointments

Research Ecologist (U. S. Geological Survey, Patuxent Wildlife Research Center),
Unit Leader (Patuxent Coastal Field Station at URI), **Professor in Residence**
(University of Rhode Island), 1998-present
Research Ecologist (National Park Service) and **Adjunct Associate Professor**
(University of Rhode Island), Summer 1990-Spring 1998
Assistant Research Professor (Rutgers University), Fall 1985-Summer 1990
Visiting Assistant Professor (SUNY at Stony Brook), 1980-82, 1984-85

Publications

Five publications closely related to project

- Ginsberg, H.S. 1988. A model of the spread of Lyme disease in natural populations.
Annals of the New York Academy of Sciences 539:379-380.
- Ginsberg, H.S. 1993. Transmission risk of Lyme disease and implications for tick
management. *American Journal of Epidemiology* 138:65-73.
- Markowski, D., H.S. Ginsberg, K.E. Hyland, & R. Hu. 1998. Reservoir competence of
the meadow vole (Rodentia: Cricetidae) for the Lyme disease spirochete,
Borrelia burgdorferi. *Journal of Medical Entomology* 35:804-808.
- Ginsberg, H.S. & E. Zhioua. 1999. Influence of deer abundance on the abundance of
questing adult *Ixodes scapularis* (Acari: Ixodidae). *Journal of Medical Entomology*
36:376-381.
- Ginsberg, H.S., P.A. Buckley, M.G. Balmforth, E. Zhioua, S. Mitra, and F.G. Buckley.
2005. Reservoir competence of native North American birds for the Lyme
disease spirochete, *Borrelia burgdorferi*. *Journal of Medical Entomology* 42:445-49.

Five other related publications

- Ginsberg, H.S. 1993. Geographical spread of *Ixodes dammini* and *Borrelia burgdorferi*.
In H.S. Ginsberg (ed.) *Ecology and Environmental Management of Lyme
Disease*. Rutgers University Press, New Brunswick, NJ. pp. 63-82.
- Ginsberg, H.S. & E. Zhioua. 1996. Nymphal survival and habitat distribution of
Ixodes scapularis and *Amblyomma americanum* ticks (Acari: Ixodidae) on Fire Island,
New York, USA. *Experimental and Applied Acarology* 20:533-544.
- Markowski, D., K.E. Hyland, H.S. Ginsberg, & R. Hu. 1997. Spatial distribution of larval
Ixodes scapularis (Acari: Ixodidae) on *Peromyscus leucopus* and *Microtus
pennsylvanicus* at two island sites. *Journal of Parasitology* 83:207-211.
- Ginsberg, H.S., E. Zhioua, S. Mitra, J. Fischer, P.A. Buckley, F. Verret, H.B.
Underwood, & F.G. Buckley. 2004. Woodland type and spatial distribution of
nymphal *Ixodes scapularis* (Acari: Ixodidae). *Environmental Entomology*
33:1266-1273.

Ginsberg, H.S. 2008. Potential effects of mixed infections in ticks on transmission dynamics of pathogens: comparative analysis of published records. *Experimental and Applied Acarology* 46:29-41.

Dr. Ginsberg is a federal scientist, who serves as Field Station Leader of the USGS PWRC Coastal Field Station at the University of Rhode Island. He is a major consultant on vector-borne disease issues on federal lands, especially national parks. His research focuses on transmission dynamics of vector-borne pathogens, and on the development of efficient surveillance and management protocols that can protect public health while minimizing negative effects on sensitive natural systems. He is currently developing a theory of IPM for vector-borne diseases to foster effectively-targeted management by using accurate surveillance and efficient integration of management methods. He has written surveillance and management plans for mosquito-borne pathogens such as West Nile Virus and Eastern Equine Encephalitis, and for the tick-borne illness Lyme disease at Fire Island National Seashore, and at several other national park sites. His research is published in the peer-reviewed literature and in books and technical reports. He has served as reviewer for numerous scientific journals, and is currently a Subject Editor for the *Journal of Medical Entomology*, and is on the Editorial Boards of the journals *Psyche* and the *Northeastern Naturalist*.

Collaborators and Other Affiliations

M.G. Balmforth, URI; M.A. Benjamin, Inst. Ecosystem Studies, Millbrook, NY; F.G. Buckley, URI; P.A. Buckley, USGS retired; M. Butler, Endicott College, MA; S.R. Campbell, Suffolk County Vector Control; R. Casagrande, URI; N.P. Connally, Yale U.; G.A. Dasch, CDC; F. Drummond, U. Maine; M. K. Faulde, Fed. Armed Forces Med. Svc., Germany; J. Fischer, CT; A.D. Gettman, RI Dept. Environ. Mgt.; J.S. Gill, U. Iowa; I. Glazer, Volcani Ctr., Israel; K. Harding, Suffolk Co. Vector Ctrl.; V.L. Hornbostel, Inst. Ecosystem Studies, Millbrook, NY; R.A. LeBrun, URI; C. Lussier, Albany, NY; T.N. Mather, URI; S. Mitra, CUNY Staten Island; T.R. Mixson, CDC, Atlanta; R.S. Ostfeld, Inst. Ecosystem Studies, Millbrook, NY; C.D. Paddock, CDC, Atlanta; F. Pollnak, URI; M.L. Prospero, URI; C.J. Raithel, RI Dept. Environ. Mgt.; M.V. Reichard, Oklahoma State U.; I. Rochlin, Suffolk Co. Vector Ctrl.; M. Samish, Kitron Vet. Inst, Israel; T.L. Schulze, Freehold Hlth. Dept., NJ; K.C. Stafford, CT Agr. Exp. Stn.; C. Stubbs, U. Maine; J.W. Sumner, CDC, Atlanta; C. Suom, Norfolk Co. Mosq. Ctrl., MA; F. Verret, H.B. Underwood, CESF Syracuse; E. Zhioua, Institut Pasteur, Tunis

Co-Editors – Subject Editors, *Journal of Medical Entomology*
Editorial Boards, *Psyche*, *Northeastern Naturalist*

Graduate Advisors and Postdoctoral Sponsors

Thesis Advisor - George C. Eickwort, Cornell University, deceased; Brian Chabot, Cornell University, Richard Root, Cornell University

Postdoctoral Sponsor – F. James Rohlf, SUNY @ Stony Brook

Graduate students advised

Major Professor - Maria Aliberti, Jacqueline Kluft, Christine Lussier; *Member of Committee* - Maxon Balmforth, Michael Burnett, Mari Butler, Jie Chen, Rebecca Clark, Pamela Brunett Comeleo, Randy Comeleo, Katherine Dugas, James Fischer, Michael Foster, Evan Gwilliam, Virginia Hinrichsen, Jeffrey Hollister, Jaree Johnson, Adam Lambert, Daniel Markowski, Anthony O'Neal, Neeta Connally, Weigang Qiu, Ryan Rhodes, Dierdra Robinson, Chan Suom, Marina Yasvoina, MinTsong Yeh, Christine Zolnik.. **Postdoctoral Scientist** - Dr. Elyes Zhioua