

Ravi Venkata Durvasula, M.D.

1111 South Wabash Avenue Unit 2103,
Chicago, Illinois 60605
505-362-0856 tuanravi@gmail.com

Biographic Married to Suguna Pappu, MD, PhD
2 children: Maya (age 20) and Samsara (age 18)

Education **McGill University**, Montreal, Quebec, Canada
M.D., C.M., 1989
McGill University, Montreal, Quebec, Canada
B. Sc. in Biology, 1985 *with great distinction*

Postgraduate Training/ Work Experience

11/ 2017- **Loyola University Stritch School of Medicine, Chicago, IL**
Chairman, Department of Medicine
John W. Clark Endowed Professor of Medicine
Professor, Department of Public Health Sciences

12/2014- 08/16 **University of New Mexico School of Medicine, Albuquerque, NM**
Chief, Division of Infectious Diseases

2011- 10/17 **University of New Mexico School of Medicine, Albuquerque, NM**
Professor of Medicine and Infectious Diseases; Tenured in 2009

2010-2014 **New Mexico VA Health Care System, Albuquerque, NM**
Acting Associate Chief of Staff for Research

2005-2014 **New Mexico VA Health Care System, Albuquerque, NM**
Chair of Medicine, Albuquerque VA Medical Center; Vice Chairman of
Department of Internal Medicine, UNM School of Medicine

This position serves as Chairman of The Department of Medicine of the New Mexico Veterans Affairs Health Care System. It involves administration of programs affecting 50,000 veterans, with supervisory authority over 13 clinical and research divisions and 219 staff and faculty employees.

Administrative duties include: input into the organizational budget of nearly \$400 million; management of business processes, productivity and costs; development of new business ventures and strategic planning; enrollment analysis and forecasting; quality management; resource utilization and allocation; space and facilities management; personnel management including

recruitment, retention and discipline; liaison to unionized labor; liaison to Human Resources Dept; oversight of Department accreditation activities; customer service management; liaison to payroll and market analysis for employee salaries.

Academic duties include: oversight and quality management of all Department research and educational activities; curriculum development for medical students and resident physicians; supervision of all ACGME and RRC-related programs; strategic planning for new research programs; Vice-Chairman of UNM Dept. of Internal Medicine for VA Medical Center; faculty recruitment, development and mentorship; oversight of faculty grievances; supervision of Department basic science initiatives including development of The Center for Excellence in Cellular and Molecular Medicine; supervision of Department health services research initiatives including development of The Center for Health Informatics and Outcomes Research; liaison to grant and contract management

2005-2010 **University of New Mexico School of Medicine, Albuquerque, NM**
Associate Professor of Internal Medicine and Infectious Diseases; granted tenure in 2009

2005-present **University of New Mexico School of Medicine, Albuquerque, NM**
Director, Program in Global and Geographic Medicine ('05-10)
Director, Center for Global Health (2010-present)
This position involves development of a new Program at UNM School of Medicine in Global and Geographic Medicine. Duties include: recruitment of new faculty to the Program; development of a research portfolio that bridges UNM activities with 13 partner medical centers in India, Kenya, China and Colombia; curriculum development for UNM medical students, post-graduate trainees and faculty in geographic and tropical medicine; development of a fourth year tropical medicine clerkship for UNM medical students; development of clinical training sites around the world for UNM medical students and post-graduate trainees

2001- 05 **Yale University Health Services, New Haven, CT**
Medical Director
This position served as Chief Medical Officer of the Yale University Health Services, a Division of Yale University that reported to the Deputy Provost for Health Sciences. This was a senior leadership position with oversight of operations that affected 30,000 Yale students, faculty, dependents and alumni, through 11 divisions comprising 250 employees.

Administrative duties included: leadership role in development of the \$110 million budget; resource management; utilization review; business process design and oversight; quality management; contract development and negotiation; enrollment analysis; customer service management; personnel management, including recruitment, retention and discipline; liaison to labor unions; space and facilities planning; market analysis and business model development; liaison to key Yale stakeholders including Office of The President, Office of The Provost, Athletics Director; Yale College; Graduate Schools; School of Medicine; IT; Office of Public Affairs; Student Media and Representatives.

Academic duties included: oversight of all educational and research programs that were conducted jointly with Yale University Schools.

- 2001-05 **Yale University School of Medicine, New Haven, CT**
Assistant Clinical Professor, Dept. of Epidemiology and Public Health
- 2000- 01 **Yale University Health Services, New Haven, CT**
Chief of Clinical Resources
Chief, Dept. of Laboratory Medicine
- 2000- 01 **Yale University School of Medicine, New Haven, CT**
Associate Research Scientist and Lecturer, Dept. of Epidemiology and Public Health
- 1997-1999 **Yale University School of Medicine, New Haven, CT**
Instructor, Dept. of Internal Medicine
- 1994-1997 **Howard Hughes Medical Institute/ Yale University School of Medicine**
Howard Hughes Physician Postdoctoral Fellow
- 1993-1996 **Yale University School of Medicine, New Haven, CT**
Fellow, Section of Infectious Diseases
- 1992-1993 **Yale University School of Medicine, New Haven, CT**
Postgraduate Research Associate, Section of Infectious Diseases
- 1992 **Baylor College of Medicine/ Methodist Hospital, Houston, TX**
Chief Medical Resident
- 1989-1992 **Baylor College of Medicine, Houston, TX**
Resident, Department of Internal Medicine

Postgraduate Fellowships, Grants and Honors

- 07/1994 Physician Postdoctoral Fellowship of the Howard Hughes Medical Institute
- 07/1994 Postdoctoral Fellowship of the Patrick and Catherine
Weldon Donaghue Medical Research Foundation, Hartford, CT
- 1995 Award, Young Investigator Competition, Annual Meeting of the American
Society of Tropical Medicine and Hygiene, San Antonio, TX
- 2001 National Institutes of Health RO1, AI 48649-01
“A strategy for spreading foreign genes in Chagas disease vectors”
PI: Ravi Durvasula, MD 4 year award, total costs of \$1.3 million
- 2004 United States Dept. of Agriculture, Biotechnology Risk Assessment Grant CREES 04-2945
“A Paratransgenic Approach to Control of Pierce’s Disease” Thomas Miller:PI
Role: Subcontractor; 2 year project period; \$200,000 total cost
- 2007 National Institutes of Health: 1 R01 AI066045-01
“Molecular Targeting of T. cruzi for Paratransgenic Vectors”
Ravi Durvasula, MD (PI); 4 year project period; \$1.3 million total cost
No-Cost Extension until February, 2012
- 2007 University of New Mexico Research Allocation Committee Award
“Novel Paratransgenic Approaches to Human Clostridium difficile Infections”
Ravi Durvasula, MD (PI); 1 year pilot award; \$20,000 total cost
- 2007 UNM School of Medicine Center for Infectious Diseases and Inflammation
NIH T 32 Training Grant
Ravi Durvasula, MD (Project Director and Steering Committee Member)
- 2007 NIH: Fogarty Global Health Framework Grant 1R25TW008099-01
“UNM Framework Program for Global Health”
Durvasula co-PI; 3 year project period; \$250,000 direct costs
- 2009 Elected to American Society of Clinical Investigation**
- 2010 USDA: Biotechnology Risk Assessment Grants
“Second Generation Paratransgenic Approach to Pierce’s Disease”
Ravi Durvasula, MD (PI); 3 year project period; \$400,000 total costs
- 2011 Univ. of New Mexico- Science and Technology Corporation GAP Award
“Multi-Colored Fluorescent Recombinant Antibodies”
Ravi Durvasula, MD (PI); 1 year pilot award; \$25,000 direct costs
- 2012 USDA: Biotechnology Risk Assessment Grants
“Antibody-based Paratransgenics for Pierce’s Disease”
Ravi Durvasula, MD (PI); 4 year project period; \$500,000 total costs
- 2012 Elected as Councilor, Western Association of Physicians
- 2013 The Bill and Melinda Gates Foundation Grand Challenges in Global Health
“A Novel Microencapsulation Technique to target Desert Locust”
Ravi Durvasula, MD (PI): 18 month period; \$100,000 direct costs

- 2013 NIH: Fogarty International Center 1D43TW008099-01
“UNM Postdoctoral Training in Severe Malarial Anemia”
Durvasula (co-Investigator); 5-year funding period; \$1.25 million direct costs
- 2015 President, Western Association of Physicians
- 2015 Innovation Award, University of New Mexico
- 2017 Innovation Award, University of New Mexico
- 2017 National Institutes of Health AI21806
“The Paratransgenic Sand Fly”
Ravi Durvasula, MD (PI); 2-year funding period; \$275,000 direct costs
Start date March 1, 2017**
- 2017 National Institutes of Health RO1 A1123471-01
“Paratransgenic Manipulation of *Triatoma infestans*”
Ravi Durvasula, MD (PI); 5-year funding period; \$ 1.7 million direct costs:
A2 planned November 2018
- 2017 National Institutes of Health R21 A1126103-01
“Advanced Antibody Engineering for a Pan-Filovirus Diagnostic Platform”
Ravi Durvasula, MD (PI); 2-year funding period; \$275,000 direct costs
Re-submission Nov 2018
- 2017 National Institutes of Health R21 A1128336-01
“Advanced Ribosomal Display to Develop Zika Virus Diagnostics”
Durvasula (PI); 2-year funding period; \$ 275,000 direct costs
Submitted Feb 2016: impact score=46; Re-submission for July 2018
- 2017 National Institutes of Health R21
“Innate Immune Responses in Sandflies and Vector Competence”
Durvasula and Ortigao (MPI); 2-year funding: \$275,000 direct costs
Submitted June 2016: A1 resubmission July 2017
- 2017 Centers for Disease Control and Prevention CDC-UNM BAA 200-2017-93140
“An Environmentally Friendly Larvicide for Control of Aedes Mosquitoes”
Durvasula (PI); 4-year period; \$1.3 million total costs
Project period April 2017-March 2021**

Publications: Peer Reviewed

1. Conover RJ, Durvasula RV, Roy S, Wang R. Probable Loss of Chlorophyll-derived Pigments During Passage Through the Gut of Zooplankton, and Some of the Consequences. **Limnology and Oceanography** 1986;31(4), 878-887
2. Aksoy S., Beard C.B., Durvasula RV, Hull R., Kang A., O'Neill S.L., Richards F.F. Expression of foreign genes in the symbiotic bacteria in insect vectors. **Proceedings of the First International Workshop on Transgenesis of Invertebrates of Medical, Agricultural and Aquacultural Importance, Montpellier, France, 1995.**

3. Durvasula RV, Gumbs A., Panackal A., Kruglov O., Richards F.F., Beard C.B. Prevention of Chagas disease Transmission: An Approach using Transgenic Symbiotic Bacteria. **Mem. Inst. Oswaldo Cruz, Rio de Janeiro, Vol 91, Suppl 1, p.31,1996**
4. Durvasula RV Gumbs A, Panackal A, Kruglov A, Aksoy S, Merrifield RB, Richards F and Beard CB. Prevention of Insect-borne Disease: An Approach Using Transgenic Symbiotic Bacteria. **Proc. Nat. Acad. Sci. USA 1997: 94, 3274-3278**
5. Beard CB, Durvasula RV and Richards FF. Bacterial Symbiosis in Arthropods and the Control of Disease Transmission. **Emerging Infectious Diseases 1998: Vol 4:4, 581-591**
6. Durvasula RV Gumbs A, Panackal A, Whitharn R, Taneja J, Kang A, Richards F and Beard CB . Expression of a Functional Antibody Fragment in the Gut of Rhodnius prolixus via the Transgenic Bacterial Symbiont, Rhodococcus rhodnii. **Med. Vet. Entomology 1999:13,1-5**
7. Durvasula RV and Taneja J. Maintenance of triatomine bugs Rhodnius, prolixus and Triatoma dimidiata under laboratory conditions. In **Maintenance of Human, Animal and Plant Pathogen Vectors 1999**. K. Maramorosch and F. Mahmood eds. 139-157. Science Publishers Inc. Enfield, NA, New Hampshire 03748 USA pp 328
8. Durvasula RV Panackal A, Taneja J, Gumbs A, Kruglov O, Richards F, Beard CB. A Strategy for Spreading Anti-trypanosomal Genes in Populations of the Chagas disease Vector, Rhodnius prolixus. **Annals of The Entomological Society of America 1999: 92(6), 937-943**
9. Beard CB, Durvasula RV and Richards FF. Bacterial Symbiont Transformation in Chagas Disease Vectors. In **Insect Transgenesis. Methods and Applications 2000**. AM Handler and AA James eds. 289-303. CRC Press, Boca Raton, Florida 33431 pp 397
10. Beard CB, Dotson EM, Pennington P, Eichler S, Cordon-Rosales C and Durvasula RV. Bacterial symbiosis and paratransgenic control of vector-borne Chagas disease. **Int. J. Parasitology 2001:31, 621-27**
11. Beard CB, Cordon-Rosales C and Durvasula RV. Bacterial Symbionts of the Triatominae and Their Potential Use in Control of Chagas Disease Transmission. **Annual Review of Entomology 2002:47, 123-141**
12. Durvasula RV, Sundaram R and Beard CB. A Paratransgenic Strategy for Control of Chagas Disease. **Proceedings of 7th International Symposium on Biosafety of Genetically Modified Organisms, Beijing, China 2002**
13. Dotson EM, Pliykatis B, Shinnick TM, Durvasula RV and Beard CB. Transformation of rhodococcus rhodnii, a symbiont of the Chagas disease vector Rhodnius prolixus, with integrative elements of the L1 mycobacteriophage. **Infection, Genetics and Evolution 2003: 74, 1-7**
14. Durvasula RV, Sundaram R and Beard CB. Rhodnius prolixus and Its Symbiont Rhodococcus rhodnii: A Model for Paratransgenic Control of Disease Transmission. In **Insect Symbiosis 2003**. K Bourtzis and T Miller eds. pp 85-97. CRC Press, Boca Raton, Florida
15. Durvasula RV, Sundaram R, Matthews S, Sundaram P and Subba Rao DV. Prospects for Paratransgenic Application to Commercial Mariculture using Genetically Engineered Algae. **2006. Pp 865-889 Vol 2 in Algal Cultures, Analogues of Blooms and Applications (DV Subba Rao ed) Science Publishers, Enfield USA**
16. Miller T, Lauzon C, Lampe D, Durvasula R and Matthews S. Paratransgenesis applied to insect-transmitted diseases: The Pierce's Disease Case. **2006 Chap 15 in Insect Symbiosis 2. Miller T and Bourtzis K, eds. CRC Press, Boca Raton**
17. Durvasula RV, Hurwitz I, Matthews S. Paratransgenic strategies for control of vector-borne diseases: rewards and risks. **2007 Entomological Research 37 (Supp 1): A36**
18. Durvasula RV, Hurwitz I, Subhadra B and Matthews S. The spectrum of paratransgenic strategies: from triatomines to shrimp. **2007 Entomological Research 37 (Supp 1): A71**

19. Durvasula RV, Subhadra B, Hurwitz I and Subba Rao DV. Use of *Dunaliella* species for Paratransgenic Control in Commercial Mariculture. **2008 *Dunaliella* (Ben-Amotz, Polle and Subba Rao, eds) Science Publishers, Enfield USA**
20. Durvasula RV, Kruglov O, Taneja J, Dotson E, Sundaram R, Hurwitz I, Richards FF and Beard CB. Identification and genetic transformation of an endosymbiont of the Chagas disease vector, *Triatoma infestans*. **2008 *Experimental Parasitology* 119:94-98**
21. Sundaram RK, Matthews S, Kurapati, Hurwitz I, S, Crawford C and Durvasula RV. Expression of a Functional Single Chain Antibody Via the Human Respiratory Commensal, *Corynebacterium pseudodiphtheriticum*. **2008 *European Journal of Microbiology and Infectious Diseases* 27:617-722**
22. Hillesland H, Read A, Subhadra B, Hurwitz I, McKelvey R, Ghosh K, Das P and Durvasula RV. Identification of Aerobic Gut Bacteria from the Kala Azar Vector, *Phlebotomus argentipes*: a Platform for Potential Paratransgenic Manipulation of Sandflies. **2008 *Am. J. Trop. Med. Hyg.* 79(6): 881-886**
23. Subhadra B, Hurwitz I, Fieck A, Subba Rao G, Subba Rao DV and Durvasula RV. Paratransgenic Artemia as a Strategy to Combat Infections of Mariculture. **2009 *J Applied Microbiology* 108(3): 831-840**
24. Fieck A, Hurwitz I and Durvasula RV. Synergistic Activity of Multiple Amphipathic Peptides to Potential Bacterial Hosts and *Trypanosoma cruzi*. **2010 *Experimental Parasitology* 125(4):342-347.**
25. Markiv A, Anani B, Durvasula RV and Kang AS. Module based antibody engineering: A novel synthetic REDantibody. **2011 *J Immunol Methods*; 364(1-2):40-9.**
26. Matthews S, Vadrevu SHR and Durvasula R. A Predictive Mathematical Model to Evaluate Horizontal Gene Transfer in the Gut of the Chagas Disease Vector, *Rhodnius Prolixus*. **2011 *Parasit Vectors.* 4:77**
27. Hurwitz I, Hillesland H, Fieck A, Das P, Durvasula R. The paratransgenic sand fly: A platform for control of Leishmaniasis transmission. **2011 *Parasit Vectors.* 4:82**
28. Ursic-Bedoya R., Buchhop J, , Joy JB, Durvasula RV, and Lowenberger C. Prolixicin: a novel antimicrobial peptide isolated from *Rhodnius prolixus* with differential activity against bacteria and *Trypanosoma cruzi*. **2011 *Insect Molecular Biology.* 20: 775-786**
29. Hurwitz I, Fieck A, Read A, Klein N and Durvasula RV. Paratransgenic Control of Vector-borne Diseases. **2011 *International Journal of Biological Sciences* 31:621-627**
30. Markiv A, Beatson R, Burchell J, Durvasula RV and Kang A . Expression of recombinant multi-coloured fluorescent antibodies in *gor -/ trxB* – *E. coli* cytoplasm. **2011 *BMC Biotechnology* 11:117**
31. Fieck A, Hurwitz I, Jose C and Durvasula RV. Use of antimicrobial peptides for paratransgenic control of infectious diseases. **2012 *Current Drug Targets* Aug;13(9):1173-80.**
32. Hurwitz I, Jose C and Durvasula RV. Paratransgenic Control of *Trypanosoma cruzi* Transmission by Triatomine Bugs. **2012 *Psyche: Special Issue on True Bugs (Heteroptera): Chemical Ecology of Invasive and Emerging Pest Species* Volume 2012 (2012), Article ID 178930, 10 pages doi:10.1155/2012/178930**
33. Durvasula RV and Lin H. Probiotics: Evolving Therapeutics. **2012 *CRC Press-Science Publishers invited book editorship***
34. Klein N, Hurwitz I and Durvasula RV. Globalization of Chagas Disease: A Growing Concern in Nonendemic Countries. **2012 *Epidemiology Research International* Article ID# 136793 doi: 10.1155/ 2012/ 136793**

35. Mao J and Durvasula RV. Lung cancer chemoprevention: current status and future directions. **2012 Current Respiratory Care Reports 1: 9-20**
36. Durvasula RV and Dotson E. Maintenance of triatomine bugs *Rhodnius prolixus* and *Triatona dimidiata* under laboratory conditions. In **Maintenance of Human, Animal and Plant Pathogen Vectors 2012**. K. Maramorosch and F. Mahmood eds. Science Publishers Inc.
37. Bourtzis K, Crook S, Daffonchio D, Durvasula R, Hanboonsong Y, Infante F, Lacava P, Miller T and Vega F. International Entomology. **2012 American Entomologist 58:4; 234-45**
38. Durvasula RV and Vadrevu SHR (editors). **Dynamic Models of Infectious Diseases. Volume 1: Vector-Borne Diseases 2013, XII, 292 p. Springer, New York**
39. Vadrevu SHR and Durvasula RV (editors). **Dynamic Models of Infectious Diseases. Volume 2: Non Vector-borne Diseases 2013, 252 p. Springer, New York**
40. Read A, Hurwitz I and Durvasula RV. Leishmaniasis: An Update on a Neglected Tropical Disease. In **DYNAMIC MODELS OF INFECTIOUS DISEASES 2013, 95-138, DOI: 10.1007/978-1-4614-3961-5_4. Springer, New York**
41. Klein N, Hurwitz I and Durvasula RV. Chagas disease: Global Epidemiology and Evolving Methods of Control. In **DYNAMIC MODELS OF INFECTIOUS DISEASES 2013, 139-167, DOI: 10.1007/978-1-4614-3961-5_5, Springer, New York**
42. Arora A, Durvasula RV and Miller T. Use of Taqman Minor Groove Binder Probes to Distinguish Between Two Pathogenic Strains of *Xylella fastidiosa*. **2014 International Journal of Biotech Trends and Technology 7:8-13**
43. Jose C, Klein N, Wyss S, Fieck A, Hurwitz I and Durvasula RV. Recombinant *Arthrobacter* B 1-3 glucanase as a potential effector molecule for paratransgenic control of Chagas disease. **2013 Parasites and Vectors 6:65**
44. Durvasula RV. Taking a bite out of mosquitoes: A novel drug class for blocking transmission of malaria (Editorial). **2013 Journal of Infectious Diseases 209:2 pp177-179**
45. Durvasula RV, Vadrevu SH Rao and DV Subba Rao. Microalgal Biotechnology: Today's (Green) Gold Rush. In **Biotechnical Applications of Microalgae 2013, 200- 225, Frances and Taylor, Publishers**
46. Satoskar A and Durvasula RV (editors). **Pathogenesis of Leishmaniasis: New Developments in Research 2014, 91 pages, Springer, New York**
47. Arora A, Forshaw A, Miller T, Kang A and Durvasula RV. A Novel Microencapsulation Strategy for Field Application of Paratransgenic Control. **2015 BMC Biotechnology 15:59 doi:10.1186/s12896-015-0175-3**
48. Durvasula RV, Hurwitz I, Fieck A and Subba Rao DV. Culture, Growth, Pigments and Lipid content of *Scenedesmus* species An Extremophile Microalga from Soda Dam, New Mexico, in wastewater. **2015 Algal Research 10: DOI:10.1016/j.algal.2015.04.003**
49. Hurwitz I, Klein N, Forshaw A and Durvasula RV. Paratransgenic Control of Chagas disease. In **Transgenic Insects: Techniques and Applications 2014, Benedict M, ed. CABI Biotech. Series pp 239-246 CABI, Oxfordshire, UK**
50. Hurwitz I, Forshaw A, Ramalho-Ortigao M, Satoskar A and Durvasula RV. Paratransgenic Control of Leishmaniasis: New Developments. In **Pathogenesis of Leishmaniasis: New Developments in Research 2014, pp 25-45, Springer, New York**

51. Maleki-Ravasan N, Oshagi M, Afshar D, Arandian M, Hajikhani S, Akhavan A, Yakhchali B, Shirazi M, Jafari R, Durvasula RV and Rassi Y. Aerobic bacterial flora of biotic and abiotic components of a hyperendemic Zoonotic Cutaneous Leishmaniasis (ZCL) focus. **2015 Parasites and Vectors 8:63 DOI:10.1186/s1307-014-0517-3**

52. Durvasula RV and Subba Rao DV. Marine Extremophilic Algae: From Biology to Biotechnology. **2015 Invited Book Editorship, CRC Press date of book release November 2017**

- 53. Idris A, Miller T, Durvasula R and Federoff N. Bridging the knowledge gaps for development of red palm weevil IPM. **In Management of Red Palm Weevil 2015, Wakil W, Romeno J and Miller T editors, Springer ISBN 978-3-319-24397-9**

54. Ogaugwe C, Cheng Q, Hurwitz I and Durvasula RV. Endogenous promoters of Lactococcus lactis: Optimized conditions for heterologous protein expression. **2017 Biotechnology Reports in press**

55. Markiv A, Durvasula RV and Kang AS. Fluorescent Fusion Polypeptides and Methods of Use. **2014 US Patent # 8,877,898**

56. Kunamneni A and Durvasula RV. Streptokinase- A Drug for Thrombolytic Therapy: A Patent Review. **2015 Recent Patents on Cardiovascular Drug Discovery Volume 9: Issue 2**

57. Heerman M, Weng J, Hurwitz I, Durvasula R and Ramalho-Ortigao M. Bacterial colonization and immune responses in Lutzomyia longipalpis sandfly larvae midgut. **2015 PLoS Neglected Tropical Diseases 9(7):e0003923. DOI:10.1371/journal.pntd.0003923**

58. Chatzipanagiotou S, Ionnidis A, Trika-Graphikos E, Charalampaki N, Sereti C, Tegos G, Durvasula RV, Hoogesteijn A, Trochim W and Rivas A. Detecting the Hidden Properties of Immunological Data and Predicting the Mortality Risks of Infectious Syndromes. **2016 Frontiers in Microbial Immunology** | <https://doi.org/10.3389/fimmu.2016.00217>

59. Wael Fraihi, Wasfi Fares, Pascale Perrin, Franck Dorkeld, Denis Sereno, Walid Barhoumi, Imed Sbissi, Saifedine Cherni, Ifhem Chelbi, Ravi Durvasula, Marcelo Ramalho-Ortigao, Maher Gtari, Elyes Zhioua. An integrated overview of the midgut bacterial flora composition of Phlebotomus perniciosus, a vector of zoonotic visceral leishmaniasis in the Western Mediterranean Basin. **PLOS Neglected Tropical Diseases: published March 29, 2017** | <https://doi.org/10.1371/journal.pntd.0005484>

60. Kunamneni A and Durvasula RV. Structure, biological functions and importance of yeast adomet-dependent methyltransferases. **2017 Current Genomics invited paper**

61. Arora A and Durvasula RV. A Revised Framework for Paratransgenic Control of Vector-borne Diseases. **2017 Bioengineered invited paper under review**

62. Arora A, Miller T and Durvasula RV. Paratransgenic Control of Xylella fastidiosa transmission by the Glassy Winged Sharpshooter. **2017 BMC Biotechnology under review**

63. Fieck A, Hurwitz I, Weiss S, Klein N, Christo J and Durvasula RV. Synergistic activity of recombinant peptides expressed by a symbiotic bacterium of the Chagas disease vector, Rhodnius prolixus. **2017 J Exp Parasitology under revision**

64. Ogaugwe C and Durvasula RV. Arsenal against dipteran pests and vectors: inputs of transgenic and paratransgenic biotechnologies **2017 in Entomology: In Tech Publishers accepted**

65. Tucker J, Hughes M, Durvasula RV et al. Global Health Postdoctoral Training: A Mixed Methods Evaluation of a Postdoctoral Training Program **Clin Infect Dis.** **2017** Mar 22. doi: 10.1093/cid/cix242. [Epub ahead of print]

66. Kunamneni A, Bradfute S, Kang A and Durvasula R. A Rapid antigen and antibody ribosomal display for the isolation of a panel of Xylella fastidiosa PilB-specific single chain antibodies. **2017 Proceedings of the National Academy of Sciences USA submitted**

67. Durvasula RV and Subba Rao DV. Extremophile Case Studies: Genomic Organization and Optimized Growth. **2017 in Extremophilic Algae: From Biology to Biotechnology CRC Press November 2017**

68. Durvasula RV and Subba Rao DV. Extremophiles: Nature's Amazing Adapters. **2017 in**

Extremophilic Algae: From Biology to Biotechnology CRC Press November 2017

69. Markiv A, Durvasula RV and Kang AS. Fluorescent Fusion Polypeptides and Methods of Use. **2017 US Patent # 9,566,353**

**Selected Peer Reviewed Abstracts and Conference Proceedings
(selected from > 80)**

1. Durvasula RV, Aksoy S., Beard C.B., Richards F.F. Expression of Cecropin A, an antitrypanosomal peptide, in endosymbiotic bacteria of *Rhodnius prolixus*. Mem. Inst. Oswaldo Cruz, Rio de Janeiro, Vol. 90, Suppl L p.25,1995.
2. Durvasula RV, Aksoy S., Beard C.B., Richards F.F. Expression of Cecropin A, an anti- trypanosomal peptide, in endosymbiotic bacteria of *Rhodnius prolixus*. Proceedings of the Molecular Parasitology Meeting, Woods Hole, MA, p.88,1995.
3. Durvasula RV, Aksoy S., Beard C.B., Richards F.F. Expression of Cecropin A, an anti-trypanosomal peptide, in the Chagas disease vector, *Rhodnius prolixus*. Abstract #377, IDSA 33rd Annual Meeting, San Francisco, CA, 1995.
4. Durvasula RV, Aksoy S., Beard C.B., Richards F.F. Expression of Cecropin A, an anti-trypanosomal peptide, in endosymbiotic bacteria of *Rhodnius prolixus*. Am. J. Of Trop. Med and Hygiene (suppl.) 53:2, Abstract #345, 1995
5. Lee H., Goodwin M., Crawford C. and Durvasula RV. Application of the Vector Symbiont Method to the Chagas Disease Vector, *Triatoma dimidiata*. Proceedings of 24th Annual Meeting on Basic Research in Chagas disease, Caxambu, Brazil 1997
6. Durvasula RV, Richards F.F., Aksoy S and Beard C.B. The Vector Symbiont Method: A Novel Approach to the Control of Chagas disease Transmission. Proceedings of the Second International Workshop on Transgenesis of Invertebrates of Medical, Agricultural and Aquacultural Importance, Asilomar, California 1997
7. Dotson EM, Rosenberg O, Phykatis B, Lyman DF, Shinnick TM, Durvasula RV, Richards FF and Beard CB. Transformation of Bacterial Symbionts in Chagas Disease Vectors by Integration with L1 Integrase. Am. J. Of Trop. Med and Hygiene (suppl.) 59:3, Abstract # 193,1998
8. Dotson EM, Durvasula RV and Beard CB. Use of Bacterial Symbionts in the Control of Chagas Disease. Proceedings of the Third International Workshop on Transgenesis of Invertebrates of Medical, Agricultural and Aquacultural Importance, Crete, Greece 1999.
9. Dotson EM, Plikaytis B, Shinnick TM, Durvasula RV, and Beard CB. Use of mycobacteriophage-derived integrative elements in the transformation of *Rhodococcus rhodnii*, a symbiont of the Chagas disease vector, *Rhodnius prolixus*. Proceedings of 47th Annual Meeting of The Entomological Society of America, Atlanta, Georgia 1999
10. Durvasula RV, Richards FF and Beard CB. Paratransgenesis of the Reduviid Vectors of Chagas Disease. Proceedings of 47th Annual Meeting of the Entomological Society of America, Atlanta, Georgia 1999.
11. Durvasula RV, Richards FF, Beard CB and Cordon-Rosales C. Paratransgenesis of the Reduviid Vectors of Chagas Disease. Proceedings of 24th International Congress of Entomology, Iguassu Falls, Brazil 2001
12. Durvasula RV, Sundaram R and Beard CB. Toward Paratransgenic Control of Chagas Disease. Proceedings of 29th Annual Meeting on Basic Research in Chagas disease, Caxambu, Brazil 2002

13. Matthews S, Beard CB, Sundaram R and Durvasula RV. A Mathematical Model to Predict Horizontal Gene Transfer During Paratransgenic Control of Chagas Disease. Proceedings of Fourth International Workshop on Transgenesis of Invertebrate Organisms, Asilomar, California 2003
14. Durvasula RV, Sundaram R, Dotson E and Beard CB. Update on Paratransgenic Approaches to Reduviid Vectors of Chagas Disease, Proceedings of Fourth International Workshop on Transgenesis of Invertebrate Organisms, Asilomar, California 2003
15. Kurapati S, Sundaram R and Durvasula RV. Expression of a Functional Single Chain Antibody in *Corynebacterium Pseudodiphtheriticum*. Abstract #776. 41st Annual Meeting of IDSA, San Diego, CA 2003
16. Durvasula RV, Sundaram R, Matthews S and Beard CB. Proceedings of 51st Annual Meeting of The Entomological Society of America, Cincinnati, OH 2003
17. Matthews S, Sundaram R and Durvasula RV. A Mathematical Model to Predict Horizontal Gene Transfer During Paratransgenic Control of Chagas Disease. 52nd Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA 2003, Abstract # 1613
18. Sundaram R, Matthews S and Durvasula R. Transmission Blocking Antibodies: Effect of a Monoclonal Antibody on Transmission of *Trypanosoma cruzi*. 52nd Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA 2003, Abstract # 2047
19. Smith D, Murphy G and Durvasula R. Impact of an Electronic Registry on Outcome of a Population of Patients with Diabetes Mellitus. Annual Meeting of The Society of General Internal Medicine, Chicago, IL 2004
20. C. Romero, Pamela Pennington, Celia Cordón-Rosales, Ellen B. Dotson, C.B. Beard, Ravi Durvasula. Potential of the house fly, *Musca domestica*, as a vector of transgenic symbionts of *Rhodnius prolixus*, a Chagas disease vector. Abstract # Y-049, Annual Meeting of The American Society of Microbiology, New Orleans, LA 2004
21. Jennifer Anderson, Roberto Archila, Cynthia Ralda, Celia Cordón-Rosales, Ravi Durvasula, Charles B. Beard, Ellen M. Dotson, Pamela M. Pennington. Symbiotic potential of the bacterial flora of domestic triatomine vectors of Central America. Annual Meeting of The American Society of Microbiology, New Orleans, LA 2004
23. Matthews S, Sundaram R and Durvasula RV. A Risk Assessment Framework for Paratransgenic Control of Chagas Disease. "Biotech Bugs Conference" of The Pew Initiative, Washington DC, 2004
24. Romero C., Pennington P., Cordón-Rosales C., Dotson EB, Beard CB, Durvasula RV. Potential of the house fly, *Musca domestica*, as a vector of transgenic symbionts of *Rhodnius prolixus*, a Chagas disease vector. "Biotech Bugs Conference" of The Pew Initiative, Washington DC, 2004
25. Hurwitz I, Matthews S and Durvasula RV. Paratransgenic Strategies for control of Kala Azar. 55th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA 2006
26. Hillesland H, Hurwitz I, Subhadra B, Matthews S, Read A, Das P, Ghosh K and Durvasula RV. Aerobic Gut Bacteria of *Phlebotomus argentipes*. 56th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA 2007
27. Fieck A, Hurwitz I, Durvasula RV. Activity of AMP's against *Trypanosoma cruzi*. 56th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA 2007
28. Read A, Hurwitz I and Durvasula RV. Paratransgenic Strategies for Control of Indian Visceral Leishmaniasis. Young Investigator Competition. 56th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA 2007

29. Durvasula RV, Hurwitz I, Subhadra B and Matthews S. Paratransgenic Strategies for Control of Infectious Diseases. 95th Annual Indian National Science Congress, Visakhapatnam, India 2008
30. Subba Rao DV and Durvasula RV. Marine Biotechnology and Prospects for Indian Development. 95th Annual Indian National Science Congress, Visakhapatnam, India 2008
31. Fieck A, Hurwitz I and Durvasula RV. Evaluation of Cytotoxic Activity of Multiple Amphipathic Molecules Against *Trypanosoma cruzi*. 57th Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, LA 2008
32. Subhadra B, Hurwitz I, Fieck A and Durvasula RV. Development of Paratransgenic Shrimp (*Litopenaeus vannamei*): a potential strategy for Control of Infectious Diseases of Commercial Mariculture. World Aquaculture Society 2009, Seattle, WA
33. Subhadra B, Hurwitz I, Fieck A and Durvasula RV. Vibriocidal Activities of Anti-Microbial Peptides. World Aquaculture Society 2009. Seattle, WA
34. Hurwitz I, Fieck A and Durvasula RV. Development of Paratransgenic Approaches to Human *Clostridium difficile* Infections. BIT International Conference 2009, Beijing, China
35. Durvasula RV and Hurwitz I. Paratransgenic Approaches to Control of Infectious Disease Transmission. BIT International Conference 2009, Beijing, China
36. Hillesland H *, Hurwitz I, Kumar V, Das P and Durvasula RV. Paratransgenic Strategies to Control Visceral Leishmaniasis. 58th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC 2009
*** AWARDED HONORABLE MENTION IN YOUNG INVESTIGATOR COMPETITION**
37. Hillesland H, Hurwitz I, Das P, Matthews S and Durvasula RV. Engineered nano-particles for delivery of molecules to *Phlebotomus argentipes*. 58th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC 2009
38. Fieck A, Hurwitz I and Durvasula RV. Expression of cytotoxic antimicrobial peptides with activity against *Trypanosoma cruzi*. 58th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC 2009
39. Subhadra B, Hurwitz I, Fieck A and Durvasula RV. Bio-amplification of Peptides through a Paratransgenic Approach in Commercial Shrimp Mariculture. World Aquaculture Society 2010, San Diego, CA
40. Subhadra B, Vadrevu SHR, Subba Rao DV and Durvasula RV. A Blueprint for Algal Biofuel Development in New Mexico. Southwest Biofuels Symposium 2010, Albuquerque, NM
41. Durvasula RV, Fieck A and Hurwitz I. First and Second Generation Paratransgenics for Control of Infectious Diseases. Annual Meeting of The Mexican Immunoparasitology Society 2010, Mexico City, Mexico
42. Durvasula, RV., Paratransgenic approaches to arthropod-borne diseases - Act 1, in 1st BioDesert Consortium on Bacterial Symbiosis 2011: Tunis, Tunisia.
43. Forshaw, A. and Durvasula, R., Paratransgenic approaches to arthropod-borne disease - Act 2 (Risk assessment and mitigation), in 1st BioDesert Consortium on Bacterial Symbiosis 2011: Tunis, Tunisia.
44. Forshaw A, Miller T and Durvasula R. Microencapsulation of Agro-Pest Biocontrol Agents to Enhance Global Food Security. Abstract # 582. 61st Annual Meeting of The American Society of Tropical Medicine and Hygiene. Atlanta Ga 2012

45. Arora AK, Miller TA and Durvasula R. Assessing the risk of horizontal gene transfer in a paratransgenic control agent. In: USDA BRAG Investigator's Conference, Riverdale, USA, June 3-5, 2012
46. Arora AK, Lampe DJ, Kang A, Miller T, and Durvasula R. Molecules for paratransgenic control of sharpshooter vectors of Pierce's Disease. In: USDA BRAG Investigator's Conference, Riverdale, USA, June 14, 2013
47. Arora AK, Forshaw A, Pesko K, Quintero-Hernandez V, Hurwitz I, Kang A, Miller T, and Durvasula R. Antibody-based Paratransgenics for Pierce's Disease: Advanced Methods for Transmission Blocking and Environmental Monitoring. In: USDA BRAG Investigator's Conference, Riverdale, USA, June 5, 2014
48. Hurwitz I, Fieck A, Kang A, Ramalho-Ortigao M and Durvasula R. Use of a novel fluorescent-labeled antibody for paratransgenic control of leishmaniasis. Abstract #1017. 62nd Annual Meeting of The American Society of Tropical Medicine and Hygiene. Washington DC 2013
49. Forshaw A, Hurwitz I, Ramalho-Ortigao M, Weng J, Heerman M and Durvasula R. Material Science and Paratransgenesis: An Updated Approach to Control Transmission of Leishmaniasis by Sand Flies. Abstract # 576. 62nd Annual Meeting of The American Society of Tropical Medicine and Hygiene. Washington DC 2013
50. Heerman M, Weng J, Hurwitz I, Durvasula R and Ramalho-Ortigao M. The effect of bacterial challenge on midgut physiology and development of the sandfly *Lutzomyia longipalpis*. Entomological Society of America Annual Meeting Portland, OR 2014.
51. Hurwitz I, Ogaugwe C, Cheng Q, Sylejmani G, Kang A and Durvasula R. Use of the probiotic *Lactococcus lactis* for delivery of recombinant antibodies to target *Clostridium difficile* infections. 63rd Annual Meeting of The American Society of Tropical Medicine and Hygiene. New Orleans 2014
52. Cheng Q, Hurwitz I and Durvasula R. Generation of recombinant *B. subtilis* for delivery of anti-leishmania molecules to gut of sandfly to block leishmaniasis. 63rd Annual Meeting of The American Society of Tropical Medicine and Hygiene. New Orleans 2014
53. Matthews S, Hurwitz I and Durvasula R. Environmentally friendly larvicides for control of *Aedes aegyptii*. Annual Meeting of Society of Vector Ecology. Albuquerque, NM 2015

Books

1. Durvasula RV and Vadrevu SHR (editors). **Dynamic Models of Infectious Diseases. Volume 1: Vector-Borne Diseases 2013, XII, 292 p. Springer, New York**
2. Vadrevu SHR and Durvasula RV (editors). **Dynamic Models of Infectious Diseases. Volume 2: Non Vector-borne Diseases 2013, 252 p. Springer, New York**
3. Satoskar A and Durvasula RV (editors). **Pathogenesis of Leishmaniasis: New Developments in Research 2014, 91 pages, Springer, New York**
4. Durvasula RV and Durvasula SV. **Marine Extremophilic Algae: From Biology to Biotechnology. 2017 CRC Press anticipated publication December 2017**
5. Durvasula RV and Matthews S. **Paratransgenesis and Vector-borne Disease Control. 2016 CRC Press/ Taylor and Francis Group Publishers anticipated publication November 2018**

Patents and Commercialization Activities

1. Fluorescent Fusion Polypeptides and Methods of Use. US Patent No. 8,877,898 Issued Nov. 2014
2. Microencapsulation as a Strategy for Implementation and Environmental Safe-Guarding of a Paratransgenic Approach to Control of Vector-Borne Diseases. U.S. Provisional Patent # 20140302135
3. Cultured Extremophilic Algae Species Native to New Mexico. U.S. Provisional Patent # 20130164322
4. Methods and Compositions for Control of Disease in Aquaculture. U.S. Provisional Patent # 20110158946
5. Modification of *Lactococcus lactis* for Production of Therapeutic Proteins. U.S. Provisional Patent filed in 2015
6. Founder, Ecopesticides International, Inc.: a start-up company in Santa Fe, NM (2013)
7. Founder, Aquaculture Solutions, Inc.: a start-up company in Santa Fe, NM (2013)

Current Professional Activities: National and International

Editorial Board Member, *Frontiers in Immunology* (Review Editor)
Editorial Board Member, *Autoimmune and Infectious Diseases*
Editorial Board Member, *International Journal of Biological Research*
Councilor, Western Association of Physicians (2012-2015)
President-Elect, Western Association of Physicians (2014)
President, Western Association of Physicians (2015)
Reviewer, *American Journal of Tropical Medicine and Hygiene*
Reviewer, *Emerging Infectious Diseases*
Reviewer, *Insect Molecular Biology and Biochemistry*
Reviewer, *Symbiosis*
Reviewer, *American Journal of Public Health*
Reviewer, *Journal of Applied Microbiology*
Reviewer, *Parasites and Vectors*
Reviewer, *Letters in Applied Microbiology*
Reviewer, *PLoS One*
Reviewer, *PLoS Neglected Tropical Diseases*
Member, American Society of Tropical Medicine and Hygiene
Member, Burroughs Wellcome Trust Fund Fellowship Committee, American Society of Tropical Medicine and Hygiene
Ad hoc Reviewer for BARD, the United States - Israel Binational Agricultural Research & Development Fund
Ad hoc Reviewer for NSERC (Canada)
Ad hoc Reviewer for MRC, UK
Member, Steering Committee, Pew Initiative on Food and Biotechnology Genetically Modified Insects Conference ('04)
Member, IRSDA Study Section: NIH-NIAID (ad hoc 2005)
Member, Global Infectious Diseases Study Section: NIH-CSR (ad hoc 2006)
Member, Tropical Medicine Research Center Study Section: NIH-NIAID (ad hoc 2006)
Member, International Research in Infectious Diseases Study Section: NIH-NIAID (2007, 2008, 2009)
Member, Global Infectious Diseases Study Section: NIH-NIAID (2008,2009)
Member, Translational Research in Vector Borne Diseases Study Section: NIH-NIAID 2009
Appointed Chartered Member of ICP-1 Study Section: NIH-NIAID 2009
Member, ICIDR Study Section: NIH-NIAID (ad hoc 2009)
Member, Tropical Medicine Research Center Study Section: NIH-NIAID (ad hoc 2011)
Member, Clinical Trials and Planning Study Section (UO1 and R25): NIH-NIAID (ad hoc 2012)
Member, Vectors and Parasites Study Section: NIH-NIAID (ad hoc 2012)

Member, PRMPR Leishmaniasis Study Section, Dept. of Defense 2013
Member, Pathogens and Vectors Study Section: NIH-NIAID (ad hoc 2014)
Chair, Global Infectious Diseases Study Section: NIH- Fogarty (2014, 2015)
Member, Eukaryotic Pathogens Study Section: NIH-NIAID (ad hoc 2017)
Member, Vector Biology Study Section: NIH-NIAID (adhoc 2017)
Participant, State of New Mexico Round Table on Zika Virus Control, convened by US Congressman Ben Ray Lujan
Participant, State of New Mexico Efforts to Control Zika Virus, convened by US Senator Martin Heinrich

Professional Activities and Memberships: Yale University 2001-2005

Member, Board of University Health, Yale University
Chair, Measures and Technology Committee, Yale Univ. Health Services
Member, Quality Management Committee, Yale Univ. Health Services
Member, Pharmacy and Therapeutics Committee, Yale Univ. Health Service
Member, Research and Education Committee, Yale Univ. Health Services
Member, Medical Information and Records Committee, Yale Univ. Health Services
Chair, Office of Population Medicine, Yale University Health Services
Chair, Medical Review Committee, Yale University Health Services
Member, Committee on International Health, Yale University School of Medicine
Member, South Asian Studies Council, Yale University

**Professional Activities and Memberships: New Mexico VA Health Care System
And University of New Mexico: 2005-**

Acting Chief of Staff, New Mexico VA Health Care System, Dec. 2005-March 2006
Co-Chair, Performance Improvement Committee, Albuquerque VA Medical Center
Member, Medical Executive Committee, Albuquerque VA Medical Center
Member, Clinical Executive Board, Albuquerque VA Medical Center
Member, Leadership Board, Albuquerque VA Medical Center
Member, Professional Standards Board, Albuquerque VA Medical Center
Member, Peer Review Committee, Albuquerque VA Medical Center
Member, Executive Committee, Dept. of Internal Medicine, UNM School of Medicine
Member, Search Committee for Chair of Dept. of Pathology, UNM School of Medicine (2008)
Member, Search Committee for Chief of Performance Improvement, Albuquerque VA Medical Center (2006)
Chair, Search Committee for Chief of Nutrition, Albuquerque VA Medical Center (2007)
Member, Search Committee for Associate Director, Albuquerque VA Medical Center (2008)
Member, Academic Affiliation Partnership Council, UNM School of Medicine
Lead, Cost Resources Work Group, Albuquerque VA Medical Center
Member, VA Center of Excellence for Cellular and Molecular Medicine, Albuquerque VA Medical Center
Member, Multidisciplinary Advisory Committee, CTSC, UNM School of Medicine (2009)
Associate Chief of Staff for Research, Acting, Albuquerque VA Medical Center (2010-2014)
President, Biomedical Research Institute of New Mexico, Albuquerque, NM (2010-2014)
Board Member, Biomedical Research Institute of New Mexico, Albuquerque, NM (2015-)
Member (ex officio), Research and Development Committee, Albuquerque VA Medical Center (2010-2014)

**Invited Seminars: National,
International, Grand Rounds
(1997-present)**

- Feb. 1997 “Paratransgenic Approach to Control of Chagas disease”
**Medical Entomology and Research Training Unit of Guatemala and Universidad del Valle,
Guatemala City**
- March 1997 “The Epidemic of Antibiotic Resistance”
Grand Rounds, Yale University Health Services, Yale University, New Haven, CT
- May 1997 “Paratransgenic Transformation of *Rhodnius prolixus*”
**Second International Workshop on Transgenesis of Invertebrates of
Medical, Agricultural and Aquacultural Importance, Asilomar, California**
- Dec. 1997 “A Novel Approach to Control of Certain Vector-borne Diseases”
Baylor College of Medicine, Houston, TX, Section of Infectious Diseases
- Dec. 1997 “From Kissing Bugs to Shrimp: A Paratransgenic Approach to Control of Infectious Diseases”
Kuwait Institute of Scientific Research, Kuwait
- Dec. 1997 " Microbial Technology and Control of Tropical Diseases"
**46th Annual Meeting of The American Society of Tropical Medicine and Hygiene, Orlando,
Florida; Co-Organizer of Symposium**
- Aug. 1998 “A Novel Approach to Control of Chagas Disease”
University of California at Davis, Center for Comparative Medicine
- Oct. 1998 “A Paratransgenic Approach to Control of Parasitic Diseases”
University of California at San Diego, Division of Infectious Diseases, School of Medicine
- Nov. 1998 “Use of Genetically Modified Symbionts in Chagas disease Control”
**Joint Annual Meeting of American Phytopathological Society and
Entomological Society of America, Las Vegas, Nevada**
- Oct. 1999 “Interpretation of Bacterial Culture Results”
Grand Rounds, Yale University Health Services, Yale University, New Haven, CT
- Dec. 1999 “Paratransgenesis: An Approach to Control of Vector-borne Diseases”
Annual Meeting of the Entomological Society of America, Atlanta, GA
- June 2000 “ Control of Certain Vector-borne diseases Via Genetically Modified Symbionts”
21st International Congress of Entomology, Iguassu Falls, Brazil
- Oct. 2000 “Update from the International Conference on HIV/AIDS, Durban, South Africa”
Grand Rounds, Yale University Health Services, Yale University, New Haven, CT
- June 2001 “ A Novel Approach to Control of Vector-borne Diseases”
Meeting of the Interplanetary Society (Pus Club), Seattle, WA
- Nov. 2001 “ A Paratransgenic Approach to Chagas disease Control”
50th Annual Meeting of The American Society of Tropical Medicine and Hygiene, Atlanta, GA
- Feb. 2002 “Paratransgenesis: A Novel Approach to Control of Certain Vector-borne Diseases”

- International Conference on Vector-Borne Diseases, Bhubaneswar, India**
Feb. 2002 “A Novel Approach to Control of Parasitic Diseases”
- ICMR-Ellison Symposium on Immunoparasitology, Bhubaneswar, India**
Feb. 2002 “Paratransgenesis: A Novel Approach to Control of Certain Infectious Diseases”
- Dept. of Zoology, Delhi University, New Delhi, India**
May, 2002 “Bacterial Symbionts of Kissing Bugs: A Paradigm for Paratransgenic Control of Chagas Disease”
- 102nd Meeting of American Society for Microbiology, Salt Lake City, UT**
Oct. 2002 “Paratransgenic Transformation of Chagas disease Vectors”
- European Congress of Entomology, Thessaloniki, Greece**
Oct. 2002 “A Paratransgenic Strategy for Control of Chagas Disease”
- 7th International Symposium on Biosafety of Genetically Modified Organisms, Beijing, China**
Nov. 2002 “Toward Paratransgenic Control of Chagas disease Transmission”
- 28th Annual Meeting on Basic Research in Chagas disease, Caxambu, Brazil**
May 2003 “Update on Paratransgenic Approaches to Reduviid Vectors of Chagas Disease”
- International Workshop on Transgenesis of Invertebrate Organisms, Asilomar, California**
Oct. 2003 “Paratransgenesis As A Novel Approach to Control of Human Infectious Diseases”
- Annual Meeting of The Entomological Society of America, Cincinnati, Ohio**
Nov. 2003 “A Novel Approach to Control of Certain Vector-borne Diseases”
- Dept. of Biology, Duquesne University, Pittsburgh, Pennsylvania**
March 2004 “Chagas Disease: A Clinical Overview”
- Grand Rounds, Division of Infectious Diseases, New York Medical College, Valhalla, NY**
Sept. 2004 “Paratransgenic Approaches to Control of Arthropod-Borne Diseases”
- Pew Initiative Conference on Genetically Modified Insects, Washington DC**
Oct. 2004 “Paratransgenic Approaches to Human Respiratory Tract Disease”
- Centers for Disease Control and Prevention, Fort Collins, Colorado**
Dec. 2004 “Paratransgenic Approaches to Control of Infectious Disease”
- Dept. of Biotechnology, Mahila University, Tirupati, India**
Dec. 2004 “Paratransgenic Approaches to Control of Maricultural Disease”
- Dept. of Zoology, Sri Venkateswara University, Tirupati, India**
Feb. 2005 “Paratransgenic Strategies for Control of Infectious Diseases”
- Division of Infectious Diseases, UNM School of Medicine, Albuquerque, NM**
Nov. 2005 “Paratransgenic Applications to the Chagas Disease Vector, Rhodnius Prolixus”
- International Workshop on Genomics and Biology of Triatomines, Rio de Janeiro, Brazil**
Nov. 2005 “Symbiont Manipulation of Triatomine Vectors of Chagas Disease”
- Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida**
Dec. 2005 “A Risk Assessment Framework for Paratransgenic Control of Vector-borne Diseases”
- AGRA: USDA Biotechnology Risk Assessment Meeting, Riverdale, MD**
July 2006 “Toward Control of Chagas Disease”

- Grand Rounds, Dept. of Internal Medicine, University of New Mexico School of Medicine**
- Oct 2006 “Update on Paratransgenic Approaches to Vector-borne Diseases”
Annual Meeting of Society of Vector Ecology, Anchorage, Alaska
- Nov 2006 “Risk assessment Framework for Paratransgenic Interventions”
AGRA: USDA Biotechnology Risk Assessment Meeting, Riverdale, MD
- Jan 2007 “Paratransgenic Interventions for Chagas Disease”
European Union Symbiont Control Group, Milan, Italy
- March 2007 “Paratransgenic Control for Visceral Leishmaniasis”
Dept. of Biotechnology, Mahila University, Tirupati, India
- March 2007 “Novel Paratransgenic Strategies for Vector-borne Diseases”
Rajendra Medical Research Institute, Patna, India
- August 2007 “Update on Paratransgenic Control of Vector-borne Diseases”
International Meeting on Insect Biotechnology, Daegu, South Korea
- October 2007 “Paratransgenesis: A Novel Approach to Disease Control”
Annual Meeting of American Vacuum Society, Seattle, WA
- January 2008 “Paratransgenic Approaches to Infectious Disease Transmission”
Indian National Science Congress, Visakhapatnam, India
- January 2008 “Paratransgenic Control of Infectious Diseases”
Saurashtra Medical College, Rajkot, India
- April 2008 “Paratransgenic Strategies to Control Vector-borne Diseases”
Visiting Professorship, Kansas State University, Manhattan, Kansas
- Dec 2008 “Novel Paratransgenic Approaches to Control of Chagas disease and Visceral Leishmaniasis”
Grand Rounds, Dept of Pathology, UNM School of Medicine
- Feb 2009 “The Global and Geographic Medicine Program at UNM School of Medicine”
Grand Rounds, Dept of Urology, UNM School of Medicine
- April 2009 “Paratransgenic Strategies for Control of Infections in Mariculture”
National Conference on Marine Algal Biotechnology, Andhra University, Visakhapatnam, India
- April 2009 “Paratransgenic Approaches to Vector-borne Diseases”
NM State Laboratory Medicine Association Meeting, Albuquerque, NM
- Nov 2009 “Novel Strategies for Control of Infectious Disease Transmission”
International Conference on Diagnostics and Therapeutics, Beijing, China
Symposium Chair, Novel Therapeutic Approaches to Human Infectious Diseases: PLENARY LECTURE
- Jan 2010 “Update on Paratransgenic Approaches to Chagas disease and Visceral Leishmaniasis”
Grand Rounds, Dept of Medicine, UNM School of Medicine

- April 2010 “Paratransgenic Strategies for Control of Infectious Disease Transmission”
Invited lecture, MP Shah Medical College, Jamnagar, India
- May 2010 “Paratransgenic Approaches to Vector-borne Diseases”
NM State Laboratory Medicine Meeting, Albuquerque, NM
- Nov 2010 “Paratransgenic Control of Infectious Diseases”
Mexican National Immunoparasitology Meeting, Mexico City
PLENARY LECTURE
- Sept 2011 “Evolving Paratransgenic Approaches to Control of Vector-borne Diseases”
Annual Meeting of The Parasitology Society of Mexico,
Mazatlan, Mexico
- Dec 2011 “ Paratransgenic Approaches to Arthropod-borne Diseases”
First International Symposium on BioDesert, Tunis, Tunisia
PLENARY LECTURE
- March 2012 “Paratransgenic Strategies: Molecular Discovery for Control of Vector-borne
Diseases”
17th International Conference on Pharmacognosy and Herbal Medicine,
Saurashtra University, Rajkot, India PLENARY LECTURE
- March 2012 “Paratransgenic Strategies for Global Health: Vector-borne Diseases and Food
Security”
Workshop on Global Health, Saurashtra University, Rajkot, India
PLENARY LECTURE
- August 2012 “Paratransgenic Control of Vector-borne Diseases”
International Conference of Society of Invertebrate Pathology
Buenos Aires, Argentina PLENARY LECTURE
- August 2012 “Paratransgenic Control of Vector-borne Diseases”
International Congress of Entomology, Daegu, South Korea
PLENARY LECTURE
- Feb 2013 “Evolving Concepts in Paratransgenic Control of Vector-borne Diseases”
Visiting Professor, Institut Pasteur, Tunis, Tunisia
- March 2013 “First and Second Generation Paratransgenics”
Invited Speaker: Workshop on Control of Red Palm Weevil
King Abdullah University of Science and Technology, Jeddah, Saudi Arabia
Organizer: Nina Federoff, PhD
- July 2013 “First and Second Generation Paratransgenic Control of Arthropods”
International Conference on Invertebrate Reproduction and Development
Detroit, MI

- Nov 2013 “Paratransgenic Control of Neglected Tropical Diseases”
Annual Meeting of Tunisian Society for Microbial Ecology, Hammamet, Tunisia
KEYNOTE ADDRESS
- Oct 2014 “Chagas disease and Leishmaniasis: From Bedside to Bench”
Grand Rounds, Dept. of Medicine
University of New Mexico School of Medicine
- July 2014 “Paratransgenic Strategies for Aquatic Diseases”
Invited Seminar, Kuwait Institute of Scientific Research
- Jan 2015 “Global Emergence of Infectious Diseases”
PLENARY SEMINAR, International Conference on Infectious Diseases
Ministry of Health, Kuwait
- Jan 2015 “Paratransgenic Models for Control of Infectious Disease Transmission”
PLENARY SEMINAR, International Conference on Infectious Diseases
Ministry of Health, Kuwait
- Jan 2015 “From Ebola to Drug-resistant Bacteria: Global Emergence of Disease”
Invited Seminar, Kuwait Institute of Scientific Research
- May 2015 “Updates from the Paratransgenesis Laboratory”
Annual Meeting of Tunisian Society for Microbial Ecology, Hammamet, Tunisia
KEYNOTE ADDRESS
- October 2015 “Out of Africa: Tropical CNS Infections”
Grand Rounds, Dept. of Neurosciences
University of New Mexico School of Medicine
- December 2015 “Molecular Design and Discovery for Global Health Needs”
PLENARY SEMINAR, 48th Annual Conference of Indian Pharmacological Society, Rajkot, India
- December 2015 “Molecular Tools for Field-based Control of Vector-borne Diseases”
PLENARY SEMINAR, International Conference on Microbial Ecology
Setif, Algeria
- Sept 2016 “Paratransgenic Control of Vector-borne Diseases”
Invited Seminar, International Congress of Entomology
Orlando, Florida
- Sept 2016 “Chagas Disease and Leishmaniasis: Control of Neglected Diseases”
Invited Lecturer, National Program on Parasitic Diseases: Govt of Brazil
Rio de Janeiro, Brazil
- Dec 2016 “Updates on Clostridium difficile Infection: Translation Strategies for Therapy”

Medicine Grand Rounds, Baylor College of Medicine, Houston, TX

- May 2017 “Novel Strategies to Address Global Vector-borne Diseases”
**INVITED PLENARY SEMINAR,
FAO, Vienna, Austria**
- October 2017 “Paratransgenic Control of Insect-borne Diseases”
**Invited Seminar, International Meeting of Society of Vector Ecology
Majorca, Spain**
- October 2017 “A Deathless Sting: New Strategies for Control of Vector-borne Diseases”
**Department of Medicine Grand Rounds,
Stritch School of Medicine, Loyola University, Chicago**
- January 2017 “Molecular and Immunological Insights into Clostridium difficile Infections”
**Department of Medicine Grand Rounds,
Stritch School of Medicine, Loyola University, Chicago**
- January 2017 “Tropical CNS Infections”
**Department of Neurology Grand Rounds,
Stritch School of Medicine, Loyola University, Chicago**

Selected Media Coverage: Interviews and Documentaries

- April 8, 1999 **The Hindu: India**
“Deathless Sting”
- Feb. 26, 2001 **Wall Street Journal: New York**
“Bioengineered Bugs: Will They Fly”
- May 6, 2001 **New York Times Magazine: New York**
“Building a Better Bloodsucker”
- April 9, 2001 **Los AngelesTimes: Los Angeles**
“Splicing the Sting Out of Bugs”
- August 17, 2001 **Halifax Chronicle Herald: Halifax, Canada**
“Altered bugs new way of preventing diseases”
- August 20, 2001 **Canadian Broadcasting Corporation: Toronto, Canada**
“Newsworld Today”
- November, 2001 **National Geographic TV: Science Times Series**
“Kiss of Death”
- Dec. 4, 2001 **Wissenschaft.de: Germany**
” Gentek-Wanzenkot als Biowaffe gegen Tropenkrankheit”
- Nov. 18, 2003 **New York Times: New York**

- “Rare Infection Threatens to Spread in Blood Supply”
- January 23, 2004 **Science: USA**
“Genetically modified organisms: experts recommend a cautious approach”
- April 2, 2004 **Jornal do Globa :Brazil** “Transformacao pela cura”
- 2004 **Lancet Volume 363, Issue 9417, Pages 1288-1289**
“Tinkering with genes to fight insect-borne disease”
- 2004 **Quorum: Argentina** “Chagas:Tan nuestro como el tango”
- Sept 20, 2004 **Shenzen Daily: Shenzen, China**
Coming soon: gene-engineered mosquitoes (in Chinese)
- Sept 21, 2004 **MSNBC: New York** “Gene modified insects get closer look
- Sept 23, 2004 **Calcutta Telegraph: Calcutta, India**
“Modified mosquito genes to beat malaria”
- Sept 24, 2004 **The Namibian: Namibia** “Coming soon: gene-engineered mosquitoes”
- Sept. 23, 2004 **Axxon: Argentina** “Insectos producidos por ingeniería genética: ¿Peor el remedio que la enfermedad?”
- June 29, 2007 **USInfo.State.Gov** “Genetic Research on Insects Could lead to Disease Prevention”
- Sept. 12, 2007 **Cocktail Party Physics** “Sneak attack”: website dedicated to new technologies
- Sept. 28, 2007 **Nanowerk.com** “Trojan Horse for Chagas Disease”: nanotechnology website
- April 23, 2008 **Reuters International** “Fight against tropical illness slowed by superbug fears”
- Sept. 8, 2014 **KRQE News, Albuquerque** “UNM Science Attacks Locusts in Africa”
- February 2016 **CBS National News (100 + affiliates)** “ Could Common Herb Help Fight Zika?”
- April 26, 2016 **The Atlantic** “Genetically Modified Mosquitoes: What Could Possibly Go Wrong?”

Teaching Experience

- 01-07/1992 Chief Medical Resident, Methodist Hospital, Baylor College of Medicine, Houston, TX
- 1994/95/97 Course Director, Introductory Microbiology and Infectious Diseases Physician Associate Program, Yale University School of Medicine
- 1996- Course Director, Principles of HIV Disease, Physician Associate Program, Yale University School of Medicine
- 1995- Lecturer, Yale School of Medicine Faculty Affiliated Hospitals Program

1995/98 Lecturer, Pathophysiology of Infectious Diseases Lecture Series for second year medical students at Yale School of Medicine

1996/98/01 Attending Physician, Atkins Firm, Yale-New Haven Hospital

1997-99 Instructor, Dept. of Internal Medicine, Yale University School of Medicine

1997- Lecturer, Integrated Clinical Medicine Course for fourth year medical students at Yale School of Medicine

1998 Lecturer, Medical Microbiology Course for second year medical students, Yale School of Medicine

1999 Course Director, Integrated Clinical Medicine, Yale School of Medicine

1999- Instructor, Doctor/Patient Encounter Course, Yale School of Medicine

2000- Course Director, Molecular Epidemiology of Bacterial Pathogens (EMD 534b) Dept. Epidemiology and Public Health, Yale School of Medicine

2000 Invited Lecturer, Women's Health Issues, Yale College

2000 Lecturer, Cell Biology Course for first year medical students, Yale School of Medicine

2001 Lecturer, Introduction to Microbial Diseases (EMD 519a), Dept. Epidemiology and Public Health, Yale School of Medicine

2005- Core lecturer, Infectious Diseases Fellowship Program, UNM School of Medicine

2005- Lecturer, Resident Noon Conference Series UNM School of Medicine, Dept. of Internal Medicine

2006- Invited lecturer, Infectious Diseases Block, UNM School of Medicine

2007- Coach for Science Olympiad, Disease Detectives and Human Anatomy Grades 6-12, Albuquerque Academy

2010- Course Co-Director, Global Emerging Infectious Diseases, UNM School of Medicine

2010- Course Director, Advanced Topics in Global Health, UNM School of Medicine

2011- Clerkship Director, Tropical Medicine Clerkship for 4th Year Medical Students UNM School of Medicine

2012- Tutorial Block Leader. Immunology Block for UNM 1st year medical students

2013- Tutorial Block Leader. Infectious Diseases Block for UNM 2nd year medical students

2015-16 Tutorial Block Leader. Evidence-based Medicine Block for 2nd year medical students UNM School of Medicine

TRAINEES LISTED ON FOLLOWING 5 PAGES

PRIMARY THESIS SUPERVISOR

Trainee	Years	Degree	Project title	Current Position
Lee, Helen	1998-1999	BS: Yale College	Paratransgenic Approach to <i>Triatoma dimidiata</i>	Unknown
Crawford, Carl	1998-2000	MD: Yale School of Med	Transformation of <i>Corynebacterium pseudodiphtheriticum</i>	Assoc. Prof, Cornell Univ School of Medicine
Kroger, Andrew	1998-1999	MD, MPH: Yale	Paratransgenic Approach to Chagas disease vectors	Epidemiologist, CDC, Atlanta
Goodwin, Matthew	1998-2000	MD: Yale	Expression of a functional antibody fragment in <i>R. prolixus</i>	House Officer, Dept of Surgery, Univ of Minnesota SOM
Kurapati, Sushmita	2001-2003	MPH: Yale	Expression of a functional antibody fragment in <i>C. pseudodiphtheriticum</i>	Medical student, Univ of West Virginia SOM
Tottaraitis, Viktoria	2002-2004	MPH: Yale	Infectious Etiologies for Chronic Disease	Medical student, Univ of Missouri SOM
Pennar, Karen	2002-2004	MPH: Yale	Paratransgenic Approaches to Old World sandflies	Medical Director, Hudson Health, NYC
Matthews, Scott	2002-2004	MPH: Yale	Risk Assessment for Paratransgenic Control of Chagas disease	MD Student, UNM School of Medicine
Neill, Kevin	2003-2005	MPH: Yale	Effect of anti-gp72 antibodies on <i>T. cruzi</i> maturation	Medical Student, Ross University SOM
Abraham, Tara	2003-2005	MPH: Yale	Impact of new residency schedules on care in Surgical ICU settings	Medical Student, Univ of Mass SOM
Hoy, Emmy	2003-2005	BS: Yale College	Expression of a functional antibody fragment in <i>C. pseudodiphtheriticum</i>	Doctoral Student, Dept of Microbiology, Stanford University
Sudhoff, Leanna	2004-2005	BS: Yale College	Microbiology of <i>P. argentipes</i> from Bihar, India	Medical Student, Harvard Medical School
Usmani-Brown, Sahar	2003-2005	Post-doctoral Fellow: Yale	Differential gene regulation in the Chagas symbiont, <i>R. rhodnii</i>	Postdoctoral Fellow, Yale
Nguyen, Linh	2004-2005	Post-Bac. Special student: Yale	Differential gene regulation in the Chagas symbiont, <i>R. rhodnii</i>	Medical student, Univ of Kansas SOM
Magee, Greg	2004-2006	MD: Yale	A Cost-benefit Analysis for Treating Bolivian Children with Chagas disease	House Officer, Dept of Surgery, Stanford Univ SOM

Matthews, Scott	2006-	MD student: UNM School of Medicine	Optimized field strategies for Control of Chagas disease	Current trainee
------------------------	-------	------------------------------------	--	-----------------

Trainee	Years	Degree	Project Title	Current Position
Hillesland, Heidi	2006-09	MD Student, UNM School of Medicine	Paratransgenic Approaches to Indian Kala Azar	Fellow at Univ. of Washington <u>Awardee Benjamin Keane Fellowship; Awardee HHMI Medical Student Award Awardee IDSA Medical Student Award</u>
Puronen, Camille	2006-2007	MD Student, UNM School of Medicine	Paratransgenic Control of Human Clostridium difficile Infection	Resident at Univ. of Washington <u>Awardee, NIH-Fogarty Medical Student Training Fellowship</u>
Read, Amber	2006-08	Fellow, Div of Infectious Diseases, UNM School of Medicine	Paratransgenic Approaches to Indian Kala Azar	Asst Prof Univ of Arkansas; <u>Awardee Burroughs Wellcome Fellowship and Pfizer Centennial Prize</u>
McKelvey, Robin	2006-2007	Fellow, Div of Infectious Diseases, UNM School of Medicine	Paratransgenic Approaches to Indian Kala Azar	Private Practice, Infectious Diseases
Vennapusa, Bharati	2007-2008	Resident, Dept of Pathology, UNM School of Medicine	Paratransgenic Control of Human Clostridium difficile Infection	Resident Physician
Klein, Nicole	2008-10	Fellow, Div of Infectious Diseases, UNM School of Medicine	Molecular Targets of Trypanosoma cruzi	Asst Prof, Dept. of Internal Medicine, UNM
Esparza, James	2007-08	Biology Student, UNM	Paratransgenic Control of Human Clostridium difficile Infection	Private practice
Weiss, Sarah	2008-10	Senior, Albuquerque Academy	Molecular Targets of Trypanosoma cruzi	Undergraduate student, Ohio Univ.

Hofson, Mischa	2009-10	Medical Student, UNM School of Medicine	Molecular Targets of Trypanosoma cruzi	Resident physician
Forshaw, Adam	2009-	Medical Student, UNM School of Medicine	Second Generation Paratransgenics	Current trainee <u>Awardee: HHMI Student Award</u>
Bauer, Michael	2009-11	Medical Student, UNM School of Medicine	Trypanosoma cruzi in New Mexico	Resident physician
Rivera, Sean	2009-11	Medical Student, UNM School of Medicine	Trypanosoma cruzi in New Mexico	Resident physician
Jose, Christo	2009-12	Biology student, UNM	Molecular Targets of Trypanosoma cruzi	MD-PhD student at Univ of Iowa
Calvo, Katya	2010-12	Postdoctoral Clinical Fellow, UNM	HIV-Tb Co-infection in Gujarat State, India	Faculty, UCLA School of Med
Olivas, Iris	2010-11	Biology student, UNM	Paratransgenic control of C. difficile infections	<u>Awardee: NIH MARC Fellowship</u>
Yacisin, Kari	2011-13	Fellow, Div of Infectious Diseases, UNM School of Medicine	Epidemiology of dengue infections in Gujarat, India	CDC EIS Officer
Arora, Arinder	2010-	PhD student, Dept. Of Biology, UNM	Paratransgenic control of Pierce's disease	Current trainee
Belfon, Robert	2010-	PhD student, UNM School of Med	Paratransgenic control of leishmaniasis	unknown
Chinn, Kathryn	2012-	Medical student, UNM School of Med	Paratransgenic control of C. difficile infections	Current trainee
Smith, Samuel	2012-	Medical student, UNM School of Med	T. cruzi reservoirs in New Mexico	current
Jose, Clement	2012-13	Biology student, UNM	Paratransgenic control of C. difficile infections	unknown
Ogugwe, Christian	2013-	Postdoctoral fellow	Heterologous protein expression in human probiotics	Assistant Professor, Lagos, Nigeria

Kunamneni, Adi	2014-	Postdoctoral fellow	In vitro ribosomal display for antibody development	Current trainee
Ball, Emily	2014-	Medical Student, UNM School of Med	Paratransgenic control of leishmania transmission	Current trainee
Smith, Casey	2015-	Medical Student, UNM School of Med	A Novel Larvicide to control Aedes aegyptii	Current trainee
Pham, Susie	2015-	Chemistry major, UNM (undergraduate)	In vitro ribosomal display	Current trainee

THESIS CO-ADVISOR OR OTHER

Trainee	Primary Degree	Dates of Training	Project Title
Gumbs, Andrew	MD: Yale	1995-1997 (co-mentorship with Frank Richards, MD)	Expression of cecropin A in Rhodnius prolixus
Panackal, Anil	MD: Yale HHMI Student Fellow	1996-1998 (co-mentorship with Frank Richards, MD)	Paratransgenic manipulation of Chagas disease vectors
Broft, Allegra	BS: Yale College	1996-1997 (co-mentorship with Frank Richards, MD and Serap Aksoy, PhD)	Phylogenetic analysis of Glossinia spp.
Lopez, Monica	MD: Yale	Summer student 1999	Microbiological analysis of Chagas disease vectors in Guatemala
Millstein, Aaron	MD: Yale	Downs Fellow: Yale School of Medicine 2000	Molecular taxonomy of Chagas vectors in Guatemala
Lawrence, Danielle	MPH: Yale	2001-2002 (co-mentorship with Sylvia Fonseca, MD in Brazil)	Epidemiology of nosocomial infections in a large hospital in Sao Paulo
Maloney, Meaghan	MPH: Yale	2001-2002 (co-mentorship with Jim Hadler, MPH)	Detection of bacterial pathogens of meningitis using CIE
Newton, Doug	MPH: Yale	2001-2002 (co-mentorship with Nora Groce, PhD)	Epidemiology of tuberculosis infections in cigarette smokers

Keterpahl, Emil	MD: Boston Univ.	Summer student: 2002	Effects of anti-gp72 on T. cruzi maturation
Nambisan, Maya	MPH: Yale		Expression of a recombinant antibody via C. pseudodiphtheriticum
Khan, Nadia	MPH: Yale	Downs Fellow: Yale School of Medicine 2003	Expression of anti-gp 72 antibody in Chagas disease vectors
Seakamp, Rebecca	MD: Yale	2003-2004 (co-mentorship with Frank Bia, MD)	Studies of malaria endemicity in Madagascar
Ng, Gladys	MPH: Yale	2002-2003 (co-mentorship with Akiko Iwasaki, PhD)	Murine models of HSV pathogenicity
Foley, Daniel	MPH: Yale	2002-2003 (co-mentored with Peter Krause,MD)	Epidemiology of Babesiosis on Block Island

International Health Experience

06-08/1994	Attending Physician, Medical Unit, Machame Lutheran Hospital, Machame, Tanzania
1995/1999	Attending Physician, Traveler's Clinic, Yale University Health Services
06/1995	Site Inspector, Nickerie Hospital, Nickerie, Suriname Working on behalf of the International Health Program, Dept. of Medicine, Yale University School of Medicine
2001-05	Medical Director, Travel Medicine Program, Yale Health Plan
2005-	Director, Geographic and Global Medicine Program and Center for Global Health, Division of Infectious Diseases, Department of Internal Medicine, University of New Mexico School of Medicine

Other Data

Board Certified, Internal Medicine, 1993; re-certified 2003, 2013
Board Certification, Infectious Diseases, November 2015
New Mexico Medical License

Leadership Training Courses

Trainee, Leadership Development Program, Center for Creative Leadership
San Diego, CA 2001

Selected by Yale University to attend this 5 day course sponsored by The Center for Creative Leadership. The Leadership Development Program is tailored toward organizational leadership, with emphasis on feedback, employee development, personal development and realization. Situational leadership training included team-building, conflict resolution, crisis management and project management.

Trainee, Medical Director's Training Academy, San Antonio, TX 2002

This training program was directed at medical leaders and focused on management approaches, team-building, use of feedback, organizational psychology and conflict resolution. Business strategies aimed at growth of a medical enterprise were reviewed.

Attendee, Senior Management Conference, Veterans Affairs Administration
Las Vegas, Nevada 2006

Selected by the VA National Office to attend this 4 day meeting. This conference focused on leadership strategies and challenges in today's health care industry. Organizational management, the changing demographics of the US workforce, economic pressures on health care industry and forecasting growth were themes of this meeting.

