

# CURRICULUM VITAE

Yang Yang

## I. Personal Information

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Department of Biostatistics (352) 294-1933 (Biostat)  
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## II. Education

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### Degrees

2004 Ph.D. Biostatistics, Emory University, Atlanta, Georgia  
2004 M.S. Biostatistics, Emory University, Atlanta, Georgia  
1998 B.S. Applied Mathematics, South China University  
of Technology, China

### Other Education

1999 — 2000 Master program in Applied Statistics, Worcester Polytechnic Institute,  
Worcester, Massachusetts  
1998 — 1999 Master program in Applied Statistics, South China Univ. of Tech., China

## III. Employment and Professional Experience

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**Associate Professor,** July 2016 — Present

**Assistant Professor,** November 2011 — June 2016

Department of Biostatistics, University of Florida

Co-investigator on the two NIH-funded grants, R37 AI32042 and U54-GM111274, and PI on R21 AI119773. Research areas: likelihood or Bayesian modeling framework for estimating transmissibility and intervention efficacies for infectious diseases in the presence of high-dimensional missing data and selection bias; Simultaneous modeling of longitudinal immunological responses and transmission of HIV within discordant partner pairs; Spatial modeling of multiple enteroviruses responsible for the hand, foot, and mouth disease epidemics in China.

**Affiliated Assistant Member,** November 2011 — Present

**Assistant Member,** November 2010 — October 2011

**Staff Scientist,** July 2006 — October 2010

Fred Hutchinson Cancer Research Center

Co-investigator on two NIH-funded grants, R01-AI32042 (Methods for Evaluating Vaccine Efficacy) and U01-GM070749 (Containing Bioterrorist and Emerging Infectious Diseases), Investigating statistical methods for modeling transmission and control of infectious diseases such as influenza, smallpox and HIV, and evaluating efficacies of interventions such as vaccine and antiviral agents.

**Research Associate,** September 2004 — June 2006

Center for Biostatistics in AIDS Research (CBAR), Harvard University.

Senior statistician in the Statistical and Data Analysis Center of the Adult AIDS Clinical Trial Groups. Providing statistical support for AIDS clinical trials including protocol development, data and safety monitoring, analysis plan development and data analysis.

Recent major projects with full or partial involvement:

- A5224S: Long-Term Metabolic Assessment in Subjects Treated with Tenofovir/Emtricitabine or Abacavir/Lamivudine along with either Efavirenz or Atazanavir with Ritonavir.
- A5082: A Randomized, Double-Blinded, Placebo-Controlled Study of Metformin and Rosiglitazone, Alone or in Combination, in HIV-Infected Subjects with Hyperinsulinemia and Elevated Waist/Hip Ratio.
- A5095: Phase III, Randomized, Double-Blinded Comparison of Three Protease Inhibitor-Sparing Regimens for the Initial Treatment of HIV Infection.
- A5084: Evaluation of Metabolic Complications Associated with Antiretroviral Medications in HIV-Infected Pregnant women.

**Research Assistant,** September 2001 — August 2004

Department of Biostatistics, Emory University.

Supervisor: Dr. Ira Longini and Dr. Elizabeth Halloran.

Investigating stochastic models and simulations for influenza, HIV and smallpox epidemics; estimating per-contact transmission probability of the diseases and the efficacy of influenza antiviral agent and HIV vaccine; exploring trial design issues.

**Research Assistant,** May, 2001 — Aug, 2001

Department of Biostatistics, Emory University.

Supervisor: Dr. Amita Manatunga.

Developing frailty models for survival times and realizing PR algorithm; exploring proportional hazard models and proportional odds models for grouped survival times.

**Research Assistant,** Jun. 2000 — Aug. 2000

Department of Biostatistics, Emory University

Supervisor: Azhar Nizam (Senior Associate)

Involved in the project “Epidemiology & Ecology of Vibrio Cholera in Bangladesh”;

modeling cholera count data.

## IV. Scholarship

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### Publications in refereed journals

1. Halloran, ME, Longini, IM, Nizam, A and **Yang Y**. Containing Bioterrorist Smallpox. *Science*, 2002; 298: 1428-1432.
2. Longini IM, Halloran ME, Nizam A and **Yang Y**. Containing Pandemic Influenza with Antiviral Agents. *American Journal of Epidemiology*, 2004; 159: 623-633.
3. Fu, HZ, **Yang Y** and Yao, YX. A Mathematical Model in Ranking Tax Credibility of Entities. *Mathematics in Practice and Theory* (China). 2004; 34: 11-15.
4. **Yang Y**, Longini, IM and Halloran, ME. Design and Evaluation of Prophylactic Intervention Using Infectious Disease Incidence Data from Close Contact Groups. *Journal Of the Royal Statistical Society, Series C*. 2006; 55: 317-330.
5. Longini IM, Halloran ME, Nizam A, **Yang Y**, Xu S, Burke DS, Cummings DAT and Epstein J. Containing a large bioterrorist smallpox attack: A computer simulation approach. *International Journal of Infectious Disease*. 2007; 11: 98-108.
6. Halloran ME, Hayden F, **Yang Y**, Logini IM and Monto A. Antiviral Effects on Influenza Viral Transmission and Pathogenicity: Observations from Household-Based Trials. *American Journal of Epidemiology*. 2007; 165: 212-221.
7. Mulligan K, **Yang Y**, Wininger D, Koletar S, Parker RA, Alston-Smith B, Basar M and Grinspoon S. Effects of Metformin and Rosiglitazone in HIV-Infected Patients with Hyperinsulinemia and Elevated Waist/Hip Ratio. *AIDS*. 2007; 21: 47-57.
8. Shikuma CM, **Yang Y**, Meyer WA, Glesby M, Tashima KT, Ribaud H, Webb N, Bastow B, Kuritzkes DR, and Gulick RM. Metabolic Effects of Protease Inhibitor-Sparing Antiretroviral Regimens given as Initial Treatment of HIV-1 Infection (AIDS Clinical Trials Group Study – A5095). *Journal of AIDS*. 2007; 44:540-550.
9. **Yang Y**, Longini IM and Halloran ME. A Resampling-Based Test to Detect Person-To-Person Transmission of Infectious Diseases. *Annals of Applied Statistics*. 2007, Vol. 1:211-228. (PMC2680309)
10. **Yang Y**, Longini IM and Halloran ME. A Data-Augmentation Method for Infectious Disease Incidence Data from Close Contact Groups. *Computational Statistics and Data Analysis*. 2007, Vol. 51:6582-6595.
11. **Yang Y**, Halloran ME, Sugimoto J and Longini IM. Detecting Human-To-Human Transmission of Avian A(H5,N1) Influenza. *Emerging Infectious Disease*. 2007; 13:1348-1353.
12. Livingston EG, Cohn SE, **Yang Y**, Watts DH, Bardeguet AD, Jones TB, Smith LM, Umbleja T and McComsey GA. Lipids & Lactate in HIV-1 Infected Pregnancies With/ Without Protease Inhibitor-Based Therapy. *Obstetrics and Gynecology*. 2007, Vol. 110:391-397.
13. **Yang Y** and DeGruttola V. Resampling-based Multiple Testing Methods with Covariate Adjustment: Application to Investigation of Antiretroviral Drug Susceptibility. *Biometrics*. 2008; 64:329-336.

14. **Yang Y**, Gilbert, P, Longini IM and Halloran ME. A Bayesian Framework for Estimating Vaccine Efficacy per Infectious Contact. *Annals of Applied Statistics*. 2008; 2:1409-1431. (PMC2630256)
15. **Yang Y**, Halloran ME and Longini IM. A Bayesian Model for Evaluating Influenza Antiviral Efficacy in Household Studies with Asymptomatic Infections. *Biostatistics*. 2009; 10: 390-403. (PMC2733175, PMID:19202152)
16. **Yang Y**, Sugimoto JD, Halloran ME, Basta NE, Chao DL, Matrajt L, Potter G, Kenah E and Longini IM. The Transmissibility and Control of Pandemic Influenza A (H1N1) Virus. *Science*. 2009; 326: 729-733.
17. **Yang, Y**, Halloran, ME, Daniels M and Longini, IM. Modeling Competing Infectious Pathogens from a Bayesian Perspective: Application to Influenza Studies with Incomplete Laboratory Results. *Journal of the American Statistical Association*. 2010; 105:1310-1322.
18. Sugimoto, JD, Borse, NN, Ta, ML, Stockman, LJ, Fischer, GE, **Yang, Y**, Halloran, ME, Duchin, JS and Longini, IM. The effect of age on transmission of clinical pandemic influenza A (H1N1) during an outbreak in a camp and households in Washington State, United States. *Epidemiology*. 2011; 22(2): 180-187.
19. Wang Y, Feng Z, **Yang Y**, Self SG, Gao Y, Wakefield J, Wang L, Zhang J, Chen X, Yao L, Stanaway J, Wang Z, Yang W. Hand, Foot and Mouth Disease in China: Patterns of Spread during 2008-2009. *Epidemiology*. 2011; 22: 781-792 (Corresponding Author).
20. **Yang Y**, Longini IM, Halloran ME and Obenchain V. A hybrid EM and Monte Carlo EM Algorithm and Its Application to Analysis of Transmission of Infectious Diseases. *Biometrics*. 2012; 68: 1238-1249. PMID: 22506893
21. **Yang Y** and DeGruttola V. Resampling-based Methods for Testing Equality of Covariance/Correlation Matrices. *International Journal of Biostatistics*. 2012; 8(1): Article 13.
22. Fang, L-Q., Li, X-L., Liu, K., Li, Y-J., Yao, H-W., Liang, S., **Yang, Y.**, Feng, Z-J., Gray, G. C. and Cao, W-C. Mapping spread and risk of avian influenza A (H7N9) in China. *Nature Scientific Reports*. 2013; 3: Article 2722.
23. Zhou Y-B, Wang Q-X, Liang S, Gong Y-H, Nie S-J, Nan L, Yang A-H, Liang Q, **Yang Y**, Song X-X, Jiang Q-W. HIV-, HCV-, and Co-Infections and Associated Risk Factors among Drug Users in Southwestern China: A Township-Level Ecological Study Incorporating Spatial Regression. *PLoS One*. 2014; doi: 10.1371/journal.pone.0093157.
24. Tran CH, Sugimoto DJ, Pulliam JRC, Ryan KA, Myers PD, Castleman JB, Doty R, Johnson J, Stringfellow J, Kovacevich N, Brew J, Cheung LL, Caron B, Lipori G, Harle CA, Alexander C, **Yang Y**, Longini MI, Halloran ME, Morris JG and Small PA. School-located influenza vaccination reduces community risk for influenza-like illness emergence care visits. *PLoS One*. 2014; doi: 10.1371/journal.pone.0114479.
25. **Yang Y**, Halloran ME, Chen Y and Kenah E. A Pathway EM-Algorithm for Estimating Vaccine Efficacy with a Non-Monotone Validation Set. *Biometrics*. 2014; 70: 568-578.
26. Sugimoto JD, Allen AL, Kenah EE, Halloran ME, Chowdhury F, Khan AI, LaRocque RC, **Yang Y**, Ryan ET, Qadri F, Calderwood SB, Harris JB and Longini IM. Household Transmission of *Vibrio cholerae* in Bangladesh. *PLoS Negl Trop Dis*. 2014; 8: e3314.
27. **Yang Y**, Zhang Y-P, Fang L-Q, Halloran ME, Ma M-J, Liang S, Kenah E, Britton T, Chen E-F, Hu J-Y, Tang F-Y, Cao W-C, Feng Z-J, Longini IM. Household Transmissibility of Avian Influenza A (H7N9) Virus. *Eurosurveillance*. 2015; 20(10):pii=21056.

28. Yao H-W, **Yang Y**, Liu K, Li X-L, Zuo S-Q, Sun R-X, Fang L-Q and Cao W-C. The spatiotemporal expansion of human rabies and its probable explanation in mainland China, 2004-2013. *PLoS Negl Trop Dis*. 2015; DOI: 10.1371/journal.pntd.0003502.
29. Zhang J-N, Kang Y-C, **Yang Y**, and Qiu P-H. Statistical Monitoring of the Hand, Foot and Mouth Disease in China. *Biometrics*. 2015; Accepted.
30. Ma M-J, **Yang Y**, Wang H-B, Zhu Y-F, Fang L-Q, An X-P, Wan K-L, Whalen C.C., Yang X-X, Lauzardo M., Zhang Z-Y, Cao J-F, Tong Y-G, Dai E-H and Cao W-C. Transmissibility of tuberculosis among school contacts: an outbreak investigation in a boarding middle school, China. *Infection, Genetics and Evolution*. 2015; DOI:10.1016/j.meegid.2015.03.001 (Co-First Author).
31. Cao W-C, Liu K, Zhou H, Sun R-X, Yao H-W, Li Y, Wang L-P, Mu D, Li X-L, **Yang Y**, Gray G, Yin W-W, Fang L-Q, Yu H-J Yu, and Cui N. A National Assessment of the Epidemiology of Severe Fever with Thrombocytopenia Syndrome, China. *Nature Scientific Report*. 2015; 5:Article 9679.
32. Fang L-Q, Liu K, Li X-L, Liang S, **Yang Y**, Yao H-W, Sun R-X, Sun Y, Chen WJ, Zuo S-Q, Ma M-J, Li H, Jiang J-F, Liu W, Yang XF, Gray G, Krause PJ and Cao W-C. Emerging tick-borne infections in mainland China: an increasing public health threat. *Lancet Infectious Diseases*. 2015; 15:1467-79.
33. Kirpich A, Weppelmann TA, **Yang Y**, Ali A, Morris JG and Longini IM. Cholera transmission in Ouest Department of Haiti: dynamic modeling and the future of the epidemic. *PLoS Negl Trop Dis*. 2015; 9(10): e0004153. DOI: 10.1371/journal.pntd.0004153.
34. Li X-L, **Yang Y**, Sun Y, Chen WJ, Sun R-X, Liu K, Ma M-J, Liang S, Yao H-W, Gray G, Fang L-Q and Cao W-C. Risk distribution of human infections with avian influenza H7N9 and H5N1 virus in China. *Nature Scientific Report*. 2015; 5: article number 18610. doi:10.1038/srep1861.
35. Fang L-Q, **Yang Y**, Jiang J-F, Yao H-W, Kargbo D, Li X-L, Jiang B-G, Kargbo B, Tong Y-G, Wang Y-W, Liu K, Kamara A, Dfafe F, Kanu A, Jiang R-R, Sun Y, Sun R-X, Chen W-J, Ma, M-J, Dean, NE, Thomas H, Longini IM, Halloran ME and Cao W-C. Transmission dynamics of Ebola virus disease and intervention effectiveness in Sierra Leone. *PNAS*. 2016; 113(16): 4488-4493. doi:10.1073/pnas.1518587113 (Co-First Author)
36. Dean NE, Halloran ME, **Yang Y**, Longini IM. The transmissibility and pathogenicity of Ebola virus: a systematic review and meta-analysis of household secondary attack rate and asymptomatic infection. *Clinical Infectious Diseases*. 2016; 62(10): 1277-1286. DOI: 10.1093/cid/ciw114.
37. Zhang R-S, Chen T-M, Ou X-H, Liu R-C, **Yang Y**, Ye W, Chen J-F, Yao D, Sun B-C, Zhang X-X, Zhou J-X, Sun Y, Chen FM, Wang S-P. Clinical, epidemiological and virological characteristics of the first detected human case of avian influenza A(H5N6) virus. *Infection, Genetics and Evolution*. 2016; 40: 236-242. DOI:10.1016/j.meegid.2016.03.010.
38. Chen W-J, Lai S-J, **Yang Y**, Liu K, Li X-L, Yao H-W, Li Y, Zhou H, Wang L-P, Mu D, Yin W-W, Fang L-Q, Yu H-J and Cao W-C. Mapping the distribution of anthrax in mainland China, 2005–2013. *PLoS Negl Trop Dis*. 2016; 10(4):e0004637.
39. Rojas DP, Dean NE, **Yang Y**, Kenah E, Quintero J, Tomasi S, Ramirez EL, Kelly Y, Castro C, Carrasquilla G, Halloran ME and Longini IM. The epidemiology and transmissibility of Zika virus in Girardot and San Andres Island, Colombia, September 2015 to January 2016.

*Eurosurveillance*. 2016; 21(28): pii=30283.

40. Sun R-X, Lai S-J, **Yang Y**, Li X-L, Liu K, Yao H-W, Zhou H, Li Y, Wang L-P, Mu D, Yin W-W, Fang L-Q, Yu H-J and Cao W-C. Mapping the distribution of tick-borne encephalitis in mainland China. *Ticks and Tick-borne Diseases*. 2017; 8(4): 631-639.

41. Ngwa MC, Liang S, Kracalik IT, Morris L, Blackburn JK, Mbam LM, Baonga Ba Pouth SF, Teboh A, **Yang Y**, Arabi M, Sugimoto JD and Morris JG. Cholera in Cameroon, 2000-2012: Spatial and Temporal Analysis at the Operational (Health District) and Sub Climate Levels. *PLoS Negl Trop Dis*. 2016; 10(11):e0005105.

42. Kirpich A, Weppelmann TA, **Yang Y**, Morris JG, Jr., Longini IM, Jr. (2017) Controlling cholera in the Ouest Department of Haiti using oral vaccines. *PLoS Negl Trop Dis* 11(4):e0005482.

43. Sun Y, Wei Y-H, **Yang Y**, Ma Y, de Vlas SJ, Yao H-W, Huang Y, Ma M-J, Liu K, Li X-N, Li X-L, Zhang W-H, Fang L-Q, Yang Z-C and Cao W-C. Rapid increase of scrub typhus incidence in Guangzhou, southern China, 2006—2014. *BMC Infectious Diseases*. 2017;17:13. doi:10.1186/s12879-016-2153-3.

## Work in progress

1. Sugimoto J, Yang Y, Hosford J, Lauzardo M, Ahmedov S, Cooker RL, Halloran EM, Longini IM and Fennelly K. Re-defining super-spreading in tuberculosis. In preparation.
2. Yang Y, Kenah E, Fang L-Q, Zhang Y-P, Halloran ME, Ma M-J, Liang S, Britton T, Chao D, Liu K, Li X-L, Chen E-F, Hu J-Y, Tang F-Y, Cao W-C, Feng Z-J and Longini IM. Socio-environmental risk factors and control of avian influenza A (H7N9) virus. In preparation.
3. Yang Y, Zhu Y-F, Li X-L and Fang L-Q. Re-visit SARS: Transmissibility, Natural History, and Seasonality. In preparation.
4. Zhu Y-F, Yang Y and Halloran ME. Model Selection in the Presence of High-Dimensional Missing Data with Application to Infectious Disease Data. In preparation.
5. Yang Y, Meng Y, Halloran ME, Longini IM. Dependency of vaccine efficacy on pre-exposure and age: a closer look at a tetravalent dengue vaccine. In revision.
6. Tsang KL, Ghebremariam S, Longini IM, Harris E, Gresh L, Yang Y. A statistical framework for analyzing cohort studies of dengue viruses. In preparation.
7. Tsang KL, Chen T-M, Longini IM, Halloran ME, Yang Y. Household transmissibility of noroviruses and its modifiers in a community outbreak in China. To be submitted soon.
8. Tang X-Y, Yang Y, Yu H-J, Bliznyuk N. A spatial model for surveillance data of multiple pathogens with limited validation set. To be submitted soon.

## Conference Abstracts

### Regular talks

1. Yang Y and Longini I.M.: New methods for the estimation of influenza antiviral agent efficacy. *Joint Statistical Meeting*, San Francisco, CA, 2003.
2. Yang Y and Longini I.M.: Estimation of influenza antiviral agent efficacy. *International Biometric Society/Eastern North American Region Spring Meeting*, Tampa, FL, 2003.
3. Mulligan, K., Yang, Y, Winingger, D., Koletar, S., Parker, R.A., Alston-Smith, B., Basar,

M. and Grinspoon, S.: Effects of Metformin and Rosiglitazone on Body Composition in HIV-Infected Patients with Hyperinsulinemia and Elevated Waist/Hip Ratio: A Randomized, Placebo Controlled Trial. *Conference on Retroviruses and Opportunistic Infections*, Denver, CO, 2006.

4. Shikuma, C.M., Yang, Y., Meyer, W.A., Glesby, M., Tashima, K.T., Ribaud, H., Webb, N., Bastow, B., Kuritzkes, D.R., and Gulick, R.M.: Metabolic Analyses within A5095: Effect of Efavirenz against an All-Nucleoside/Nucleotide Background. *Conference on Retroviruses and Opportunistic Infections*, Denver, CO, 2006.

5. Yang, Y. and DeGruttola, V.: Resampling-based Multiple Testing Methods with Covariate Adjustment: Application to Investigation of Antiretroviral Drug Susceptibility. *Workshop on Quantitative Methods for Research on Antiviral Resistance*, Boston, MA, 2006

6. Yang, Y., Halloran, M.E., Daniels, M. and Longini, I.M.: Modeling Competing Infectious Pathogens from a Bayesian Perspective: with Application to Influenza Studies with Incomplete Laboratory Results. *MFO workshop: Design and analysis of Infectious Disease Studies*, Mathematisches Forschungsinstitut Oberwolfach, Germany, 2009

7. Yang, Y., Halloran, M.E., Daniels, M. and Longini, I.M.: A Partial Monte carlo EM Algorithm for Analyzing Transmission of Infectious Diseases. *MIDAS Network Meeting*, Atlanta, GA, 2011

8. Yang Y.: Assessing the Transmissibility of TB and Risk Factors in Close Contact Groups. *MIDAS Network Meeting*, Austin, TX, 2013.

#### **Invited talks**

1. Yang, Y., Gilbert, P., Longini, I.M. and Halloran, M.E.: A Bayesian Framework for Estimating Vaccine Efficacy per Infectious Contact. *Disease Dynamics 2008*, University of British Columbia, Vancouver, British Columbia, 2008.

2. Yang, Y.: Statistical Analysis of Epidemics with Asymptomatic Infections and/or Co-circulating Pathogens. *US CDC*, Atlanta, GA, 2011.

3. Yang Y.: Transmissibility and control of avian influenza A (H7N9) virus. *Sichuan Provincial CDC*, Sichuan, China, 2013.

4. Yang Y.: Methods for estimating the dengue vaccine efficacy in cohort studies. *Zhongshan Municipal CDC*, Guangdong, China, 2014.

5. Yang Y.: Spatio-temporal modeling for surveillance data of multiple pathogens. *Workshop on modeling hand, foot and mouth disease sponsored by China CDC*, Beijing, China, 2015.

## **V. Teaching and Advising**

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### **Teaching**

Course Number	Course Title	Dates
PHC7066	<b>Large sample theory</b>	<b>Spring, 2012—2015</b>
PHC6937	<b>Applied Survival Analysis</b>	<b>Fall, 2013</b>

**Graduate Committee Activities**

Student	Topic	Home Department	Completion Date	Role
Ya Meng	<b>HIV partner study and dengue vaccine efficacy estimation</b>	<b>Biostatistics</b>	<b>2015</b>	<b>Advisor</b>
Alex Kirpich	<b>Modeling cholera transmission in Haiti</b>	<b>Biostatistics</b>	<b>2015</b>	<b>Co-Advisor</b>
Yifan Zhu	<b>Model selection in the presence of high-dimensional data</b>	<b>Biostatistics</b>	<b>2015</b>	<b>Co-Advisor</b>
Samson Grebremariam	<b>Joint model of transmission, pathogenicity and immunology for dengue epidemics</b>	<b>Biostatistics</b>	<b>2015</b>	<b>Co-Advisor</b>
Mary N. Seraphin	<b>Tuberculosis among Haitian immigrants in Florida</b>	<b>Epidemiology</b>	<b>2016</b>	<b>Committee Member</b>
Helena J. Chapman	<b>Latent TB infection in Dominican Republic</b>	<b>Environmental and Global Health</b>	-	<b>Committee Member</b>

**VI. Services**

## Professional Services

- Academic Editor, PLoS ONE, 2011—present
- Associate Editor, Biometrics, 2015—present
- Referee for Biometrics, Biostatistics, AOAS, American Journal of Epidemiology, Epidemics, PLoS Medicine, PLoS Computational Biology, British Medical Journal, Scientific Report, Vaccine

## Services at the University of Florida

- Member, Admission Committee, 2014—present
- Member, Exam Committee, 2014—present

**VII. Grants, Contracts and Awards**

## Ongoing Grants

- R21 AI119773

7/2015 – 6/2017



NIH/NIAID : Spatial-Temporal Modeling for Surveillance Data of Multiple Pathogens.

Role: PI

- R37 AI32042-19 Halloran (PI) 4/1992 – 5/2020

NIH/NIAID: Methods for Evaluating Vaccine Efficacy.

Role: Co-Investigator

- U54 GM111274 Halloran (PI) 9/2014 – 6/2019

NIH/NIGMS: Modeling of Infectious Disease Agent Study Centers for Excellence.

Role: Co-Investigator

- R01 AI116770 (PI: Kenah)

1/2016 - 12/2020

Regression, Phylogenetics, and Study Design in Infectious Disease Epidemiology

Role: Co-Investigator

Completed grants

- U01 GM070749-07 Halloran Longini (MPI) 5/2004 – 4/2014

NIH/NIGMS: Containing Bioterrorist and Emerging Infectious Diseases

Role: Co-Investigator

- R01 A0151164 07A1 DeGruttola (PI) 12/2008 – 11/2011

NIH/NIAID: Methods for Long-Term Follow-Up of HIV-Infected Patients

Role: PI of subcontract

- Corporation-funded research Halloran (PI) 11/2011 – 8/2012

Medimmune Inc.: Efficacy of the Live Attenuated Influenza Vaccine in a cohort study

Role: PI of subcontract

- Contract Longini (PI) 7/2014 - 6/2015

County of Los Angeles, Department of Public Health

*Using TranStat for Emerging Infectious Diseases*

Role: Co-Investigator

## VIII. Awards and Honors

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- 2012 Best paper of the year, School of PHHP, Univ. of Florida
- 2000 — 2004 Graduate fellowship, Emory University
- 1999 — 2000 Graduate fellowship, Worcester Polytechnic Institute
- 1997 Excellent college student with outstanding scholarship
- 1997 Outstanding college student in Guangdong Province, China
- 1997 P&G Scholarship
- 1997 Honorable mention in the international Mathematical Contest in Modeling (MCM)
- 1996 Excellent college student with first-place scholarship
- 1995 Excellent college student with second-place scholarship