Curriculum Vitae

**Alison P. Galvani**

Director, Yale Center for Infectious Disease Modeling and Analysis (CIDMA)

Burnett and Stender Families Professor of Epidemiology

Yale University School of Public Health

**Education**

2002 D. Phil University of Oxford. Advisor: Lord Robert May

1998 First class BA (Honors, with Distinction) in Biological Sciences from University of Oxford

**Positions**

2015-present Burnett and Stender Families Professor of Epidemiology

2014-present Director, Yale Center for Infectious Disease Modeling and Analysis (CIDMA)

2013-present Professor of Epidemiology, Yale School of Public Health

2013-present Professor, Dept. of Ecology and Evolutionary Biology, Yale University

2009-2013 Associate Professor (with tenure), Yale School of Public Health

2009-2013 Associate Professor, Dept. of Ecology and Evolutionary Biology, Yale University

2004-2009 Assistant Professor, Yale School of Public Health

2008-2009 Assistant Professor, Dept. of Ecology and Evolutionary Biology, Yale University

2002-2004 Miller Research Fellow, University of California, Berkeley

**Honorary Positions**

2015-present Professor of Epidemiology, University of Liberia

2015-present Professor of Infectious Diseases, KIIT School of Public Health, India

2017- Governing Council of the Connecticut Academy of Science and Engineering

## Awards/Honors

2016 Certificate of Appreciation from Liberian Ministry of Health for “Pivotal role in the eradication of the Ebola virus from Liberia”

2013 Bellman Prize

2012 The Blavatnik Award for Young Scientists from the New York Academy of Sciences

2007 Fellowship from Institute for Advanced Studies, Berlin

2007 MacMillan Award

2006 John Simon Guggenheim Memorial Foundation Award

**Publications**

212. Thomson, N., Littlejohn, T., Morrison, S.J., Strathdee, S.A., Southby, R.F., Coghlan, B., Rosenfeld, J.V. & **Galvani, A.P.** (2018) Harnessing synergies at the interface of public health and the security sector. *The Lancet*. In press

211. Wells, C.R., Pandey, A., Parpia, A.S., Fitzpatrick, M.C., Meyers, L.A., Singer, B.H. & **Galvani, A.P.** (2019) Ebola vaccination in the Democratic Republic of the Congo. *PNAS*. In press

210. Goedel, W.C., King, R.F., Lurie, M.N., Galea, S., Townsend, J.P., **Galvani, A.P.**, Friedman, S.R., Marshall, B.D.L. (2019) Implementation of syringe services programs to prevent rapid HIV transmission in rural counties in the United States. *Clinical Infectious Diseases*. In press

209. Capewell, P., Atkins, K., Weir, W., Jamonneau, V., Camara, M., Clucas, C., Swar, N.K., Ngoyi, D.M., Rotureau, B., Garside, P., **Galvani, A.P.**, Bucheton, B., MacLeod, A. (2018) Resolving the apparent transmission paradox of African sleeping sickness. *PLoS Biology*. In press.

208. **Galvani, A.P.**, Durham, D.P., Vermund, S.H., Fitzpatrick, M.C. (2017) California Universal Health Care: An economic stimulus and life-saving proposal. *The Lancet*. 390(10106): 2012-2014.

207. Sah, P., Fitzpatrick, M.C., Pandey, A. & **Galvani, A.P.** (2017) HIV criminalization exacerbates subpar diagnosis and treatment across the US. *AIDS*. 31(17): 2437-2439.

206. Fitzpatrick, M.C., Singer B.H., Hotez P.J., **Galvani A.P.** (2017) Saving lives efficiently across sectors: the need for a Congressional cost-effectiveness committee. *The Lancet*. 6736(17): 17-19.

205. **Galvani, A.P.**, Fitzpatrick, M.C., Vermund, S.H. & Singer, B.H. (2017)Fund global health: Save lives and money. *Science.* 356: 1018-1019.

204. Fitzpatrick, M.C., Gray, G.E. & **Galvani, A.P.** (2018) The challenge of vanquishing HIV for the next generation. *JAMA Pediatrics*. 172: 609-610

203. Sah, P., Medlock, J., Fitzpatrick, M.C., Singer, B.H. & **Galvani, A.P.** (2018) Optimizing the impact of low-efficacy influenza vaccines. *Proceedings of the National Academy of Sciences*. 115: 5151-5156

202. Fallah, M.P., Skrip, L.A., Raftery, P., Kullie, M., Borbor, W., Laney, S., Blackley, D.J., Christie, A., Dokubo, E.K. Dokubo, Lo, T.Q., Coulter, S., Baller, A., Vonhm, B.T., Bemah, P., Lomax, S., Yeiah, A., Wapoe-Sackie, Y., Mann, J., Clement, P., Davies-Wayne, Hamblion, E., Wolfe, C., Williams, D., Gasaira, A., Kateh, F., Nyenswah, T. & **Galvani, A.P.** (2017)Bolstering community cooperation in Ebola resurgence protocols: combining field blood draw and point-of-care diagnosis. *PLoS Medicine.* 14(1): e1002227.

201. **Galvani, A.P.**, Pandey, A., Fitzpatrick, M.C., Medlock, J. & Gray, G.E. (2018) Defining control of the HIV pandemic. *Lancet HIV*. In press

200. Bartsch, S.M., Asti, L.A., Cox, S., Durham, D.P., Randall, S., Hotez, P.J., **Galvani, A.P.** & Lee, B.Y. (2018) What is the value of different Zika vaccination strategies to prevent and mitigate Zika outbreaks. *The Journal of Infectious Diseases*. In press

199. Marshall, B.D.L., Goedel, W.G., King, M.R., Singleton, A., Durham, D.P., Chan, P.A., Townsend, J.P., **Galvani, A.P.** (2018) Potential effectiveness of long-acting injectable pre-exposure prophylaxis for HIV prevention in men who have sex with men: A modeling study. *Lancet HIV*. 5:e498-e505

198. Durham, D.P., Fitzpatrick, M.C., Ndeffo-Mah, M.L., Parpia, M.S., Michael, N.L., **Galvani, A.P.** (2018) Evaluating Zika vaccination strategies in the Americas. *Annals of Internal Medicine*. 168:621-630

197. Lee, B.Y., Bartsch, S.M., Skrip, L., Hertenstein, D.L., Avelis, C.M., Ndeffo-Mbah, M., Tilchin, C., Dumonteli, E.O. & **Galvani, A.P.** (2018)Are the London Declaration’s 2020 Goals sufficient to control Chagas disease: Modeling scenarios for the Yucatan Peninsula *PLoS NTDs.*12:e0006337

196. Bartsch, S.M., Avelis, C.M., Hertenstein, D.L., Ndeffo-Mbah, M., Tilchin, C., Dumonteli, E.O. & **Galvani, A.P.** & Lee, B.Y. (2018)The economic value of identifying and treating Chagas disease patients earlier and the impact on *Trypanosoma cruzi* transmission *PLoS NTDs.* In press.

195. Medlock, J., Pandey, A., Parpia, A.S., Tang, A., Skrip, L.A. & **Galvani, A.P.** (2017)Effectiveness of UNAIDS targets and HIV vaccination across 127 countries. *Proceedings of the National Academy of Sciences, USA.* 114: 4017-4022.

194. King, C.A. & **Galvani, A.P.** (2018)Global Burden of Schistosomiasis. *The Lancet.* 391-307-308

193. Medley, G.F., Blok, D.J., Crump, R.E., Hollingsworth, T.D., **Galvani, A.P.**, Ndeffo-Mbah, M.L., Porco, T.C., Richardus, J.H. (2018) Policy Lessons from Quantitative Modeling of Leprosy. *Clinical Infectious Diseases*. 66:S281-S285

192. Grantz, K.H., Chabaari, W., Samuel, R.K., Gershom, B., Blum, L., Worden, L., Ackley, S., Liu, F., Lietman, T.M., Galvani, A.P., Prajna, L., M.L., Porco. (2018) Spatial distribution of leprosy in India: an ecological study. *Infectious Diseases of Poverty*

191. Rock, K.S., Ndeffo-Mbah, M.L., Castano, S., Palmer, C., Pandey, A., Atkins, K.E., Ndung’u, J.M., Hollingsworth, T.D., **Galvani, A.P.**, Bever, C., Chitnis, N., Keeling, M.J. (2018) Assessing strategies against gambiense sleeping sickness through mathematical modeling. *Clinical Infectious Diseases*. 66:S286-S292

190. Crystal, C., Skrip, L.A., Nyenswah, T., Flumo, H., **Galvani, A.P.**, Durham, D.P., Fallah, M.P. (In press) Translating models of support for women with chronic viral infections to address the reproductive health needs of West African Ebola survivors. Book chapter in “Pregnant in the Time of Ebola. Women and Their Children in the 2013-2015 West African Epidemic” *Springer Publishers*

189. Ndeffo-Mbah, M.L., Vigliotti, V.S., Skrip, L.A., Dolan, K. & **Galvani, A.P.** (2018) Dynamic models of infectious disease transmission in prisons and the general population. *Epidemiologic Reviews*, 40: 40-57

188. Skrip, L.A., Fallah, M.P., Gaffney, S.G., Yaari, R., Yamin, D., Huppert, A., Bawo, L., Nyenswah, T. & **Galvani, A.P.** (2017)Characterizing risk of Ebola transmission based on frequency and type of case-contact exposures. *Philosophical Transactions of the Royal Society.* 372(1721).

187. Alsallaq, R.A., Gurarie, D., Ndeffo-Mbah, M.L., **Galvani, A.P.**, King, C. (2017) Quantitative Assessment of the Impact of Partially Protective Anti-Schistosomiasis Vaccines. *PLoS NTD.* 11(4): e0005544.

186. Lee, B.Y., Alfaro-Murillo, J., Parpia, A.S., Asti, L., Wedlock, P.T., Hotez, P.J. & **Galvani, A.P.,** Dobson, A.P., (2017) The potential economic burden of Zika in the continental United Sates. *PLoS NTD.* 11: e0005531

185. Castro, L.A., Fox, S.J., Chen, X., Liu, K., Bellan S.E., Dimitrov, N.B., **Galvani, A.P.**, Meyers, L.A. (2017) Assessing real-time Zika risk in the United States. *BMC Infect Dis.* 17: 284

184. Bartsch, S.M., Peterson, J.K., Hertenstein, D.L., Skrip, L.A., Ndeffo-Mbah, M.L., **Galvani, A.P.,** Dobson, A.P., Lee, B.Y. (2017) Comparison and validation of two compartmental models of Chagas disease: A thirty years’ perspective from Venezuela. *Epidemics.* 18: 81-91.

183. Block, D.J., Crump, R.E., Sundaresh, R., Ndeffo-Mbah, M.L., **Galvani, A.P.**, Porco, T.C., de Vlas, S.J., Mdeley, G.F., Richardus, J.H. (2017) Forecasting the new case detection rate of leprosy in four states of Brazil: A comparison of modeling approaches. *Epidemics.* 18: 92-100.

182. Block, A.R., Ross, J.V., Greenhalgh, S., Durham, D.P., **Galvani, A.P.**, Parikh, S., Esterman, A. (2017) Modelling the impact of antimalarial quality on the transmission of sulfadoxine-pyrimethamine resistance in *Plasmodium falciparum*. *Infectious Disease Modelling.* 2: 161-187

181. Rock, K.S., Pandey, A., Ndeffo-Mbah, M.L., Atkins, K.E., Lumbala, C., **Galvani. A.P.,** & Keeling. M.J. (2017) Data-Driven Models to Predict the Elimination of Sleeping Sickness in Former Equateur Province of DRC. *Epidemics.* 18: 101-12.

180. **Galvani, A.P.**, Bauch, C.T., Anand, M., Singer, B.H., Levin, S.A. (2016)Human-environment interactions in population and ecosystem health. *Proceedings of the National Academy of Sciences.* 113: 14502-14506.

179. Durham, D.P., Ndeffo-Mbah, M.L., Skrip, L.A., Jones, F.K., Bauch, C.T., **Galvani, A.P.** (2016)The national and state level impact and cost-effectiveness of nonavalent HPV vaccination in the US. *Proceedings of the National Academy of Sciences*. 113: 5107-5112.

178. Macarayan, E., Ndeffo-Mbah, M., Beyrer, C. & **Galvani, A.P.** (2016)The drug war and impending public health crisis in the Philippines. *The Lancet.* 388: 2870.

177. Yamin, D., Jones, F.K., DeVincenzo, J.P., Gertler, J.P., Kobiler, O., Townsend, J.P., **Galvani, A.P.** (2016)Vaccination strategies against RSV. *Proceedings of the National Academy of Sciences.* 113: 13239-13244.

176. Dolan, K., Wirtz, A.L., Moazen, B., **Galvani, A.P.**, Ndeffo-Mbah, M., Kinner, S., Courtney, R., McKee, M., Amon, J.J., Maher, L., Hellard, M., Beyrer, C., Altice, F. (2016)Global burden of HIV, viral hepatitis and tuberculosis among prisoners and detainees. *The Lancet.* 388: 1089-1102.

175. Fitzpatrick, M.C., Shah, H.A., Pandey, A., Bilinski, A.M., Kakkar, M., Clark, A.D., Townsend, J.P., Abbas, S., **Galvani, A.P.** (2016)One Health approach to cost-effective rabies control in India. *Proceedings of the National Academy of Sciences*. 113: 14574-14581.

174. Pandey, A. & **Galvani, A.P.** (2016)Strategies for *Trypanosoma brucei gambienese* elimination. *Lancet Global Health.* 5: e10-e11.

173. Ndeffo-Mbah, M.L & **Galvani, A.P.** (2016)Global elimination of Lymphatic filariasis. *Lancet ID.* 17: 358-359.

172. Eggo, R.M., Scott, J.G., **Galvani, A.P.**, Meyers, L.A. (2016)Respiratory virus transmission dynamics determines timing of asthma exacerbation peaks: evidence from a population-level model. *Proceedings of the National Academy of Sciences* 113.8 (2016): 2194-199.

171. Schluter, D.K., Ndeffo-Mbah, M.L., Takougang, I., Ukety, T., Wandji, S. & **Galvani, A.P.**, Diggle, P.J. (2016)Using community-level prevalence of Loa loa infection to predict the proportion of highly-infected individuals: statistical modeling to support lymphatic filariasis and onchocerciasis elimination programs. *PLoS NTD.* 10: e0005157.

170. Fallah, M.P., Skrip, L.A., Dahn, B.T., Nyenswah, T.G., Flumo, H., Glayweon, M., Lorseh, T.L., Kaler, S.G., Higgs, E.S. & **Galvani A.P.** (2016)Pregnancy outcomes in Liberian women who conceived after recovery from Ebola virus disease. *Lancet Global Health.* 4: e678-e679.

169. Ndeffo-Mbah M.L., Parpia, A.S. & **Galvani, A.P.** (2016)Mitigating prenatal Zika infections in the Americas. *Annals of Internal Medicine,* doi:10.7326/M16-0919.

168. Bilinski, A.M., Fitzpatrick, M.C., Rupprecht, C.E., Paltiel, D. & **Galvani, A.P**. (2016) Optimal frequency of rabies vaccination campaigns in sub-Saharan Africa. *Proceedings of the Royal Society*. 283: 20161211.

167. Alfaro-Murillo, J.A., Parpia, A.S., Fitzpatrick, M.C., Tamagnan, J.A., Medlock, J., Ndeffo-Mbah M.L., Fish, D., Avila-Aguero, M.L., Marin, R., Ko, A.I. & **Galvani, A.P.** (2016)A cost-effectiveness tool for informing policies on Zika virus control. *PLoS NTDs.* 10: e0004743.

166. Yamin, D., Atkins, K., Remy, V. & **Galvani A.P.** (2016)Cost-effectiveness of rotavirus vaccination in France – Accounting for indirect protection. *Value in Health.* 19: 811-819.

165. Skrip, L.A. & **Galvani A.P.** (2016)Next steps for Ebola vaccination: Deployment in non-epidemic, high-risk settings. *PLoS NTDs.* 10: e0004802.

164. Durham, D.P., Skrip L.A., Bruce, R.D., Vilarinho, S., Elbasha, E.H., **Galvani A.P.** &

Townsend, J.P. (2016)The Impact of Enhanced Screening and Treatment on Hepatitis C

in the US. *Clinical Infectious Diseases* 62.3 (2015): 298-304.

163. Herrera J.L., Srinivasan, R., Brownstein, J.S., **Galvani A.P.** & L.A. Meyers (2016)Disease Surveillance on complex social networks. *PLoS Computational Biology.* 12: e1004928.

162. Meng L., Taylor, E., Atkins K.E., Chapman, G.B. & **Galvani A.P.** (2016)Stimulating Influenza Vaccination via Prosocial Motives. *PLoS One.* 11, e0159780.

161. Ndeffo-Mbah M.L., Durham, D.P., Skrip L.A., Nsoesie, E.O., Brownstein, J.S., Fish, D. & **Galvani A.P.** (2016)Evaluating the effectiveness of localized control strategies to curtail chikungunya. *Scientific Reports.* 6: 23887.

160. Fitzpatrick, M.C., Wenzel, N.S., Scarpino, S.V., Althouse, B.M., Atkins, K.E., **Galvani A.P.** & Townsend, J.P. (2016)Cost-effectiveness of next-generation vaccines: the case of pertussis. *Vaccine.* 34: 3405-3411.

159. Gilbert, J.A., Shenoi, S.V., Moll, A.P., Friedland, G.H., Paltiel, A.D., **Galvani, A.P.** (2016) Cost-effectiveness of community-based TB/HIV screening and linkage to care in rural South Africa. *PLoS ONE.* 11: e0165614.

158. Gilbert, J.A., Medlock, J., Aksoy, S., Ndeffo-Mbah M.L. & **Galvani A.P.** (2016)Determinants of Human African Trypanosomiasis Elimination via Paratransgenesis. *PLoS NTDs*. 10(3): e0004465.

157. Parpia, A.S., Ndeffo-Mbah M.L., Wenzel, N.S., & **Galvani A.P.** (2015)The impact of the 2014-2015 Ebola outbreak on malaria, HIV and tuberculosis. *Emerging Infectious Diseases* 22.3: 433-441.

156. Fallah, M.P., Skrip L.A., Gertler, S., & **Galvani A.P.** (2015)Quantifying poverty as a driver of Ebola transmission. *PLoS NTDs.* 162: 11-17.

155. Townsend, J.P., Skrip L.A., & **Galvani A.P.** (2015)Impact of bed capacity on

 spatiotemporal shifts in Ebola transmission. *Proceedings of the National Academy of*

 *Sciences, USA* 112.46: 14125-4126.

154. Alfaro-Murillo, J.A., Townsend, J.P. & **Galvani A.P.** (2016) Optimizing age of cytomegalovirus screening and vaccination to avert congenital disease in the US. *Vaccine.* 34: 225-229.

153. Durham, D.P., Olsen M.A., Dubberke, E.R., **Galvani A.P.** & Townsend, J.P. (2015)Quantifying transmission of *Clostridium difficile* in and out of health care settings. *Emerging Infectious Diseases.* 22: 608-616.

152. DeAngelis, H., Scarpino, S.V., Fiztpatrick, M.C., **Galvani A.P.** & Althouse, B.A. (2016)Epidemiological and economic impacts of priming with whole-cell *Bordetella pertussis* vaccine. *JAMA Pediatrics.* 2016.0047.

151. Fallah M., Dahn, B., Nyenswah, T.G., Massaquoi, M., Skrip L.A., Ndeffo-Mbah, M., Joe, N., Freeman, S., Harris, T., Benson, Z. & **Galvani A.P.** (2015)Interrupting Ebola transmission in Liberia through community-based initiatives. *Annals of Internal Medicine*. 2016; 164: 367-369.

150. Atkins, K.E., Fitzpatrick, M.C., **Galvani A.P.** & Townsend, J.P. (2015)Cost-effectiveness of pertussis vaccination during pregnancy in the US. *American Journal of Epidemiology.* 183: 1159-1170.

149. Fallah, M., Skrip, L.A., d’Harcourt, E. & **Galvani, A.P**. (2015) Strategies to prevent future Ebola epidemics. *The Lancet.* 386: 131.

148. Bellan, S.E., Dushoff, J., **Galvani, A.P**. & Meyers, L.A. (2015) Re-assessment of HIV-1 acute phase infectivity: accounting for heterogeneity and study design with simulated cohorts. *PLoS Medicine*. 17;12:e1001801.

147. Wells, C., Yamin, D., Ndeffo-Mbah, M.L., Wenzel, N.S., Gaffney, S.G., Townsend, J.P., Meyers, L.A., Fallah, M., Nyenswah, T.G., Altice, F., Atkins, K.E. & **Galvani, A.P**. (2015) Harnessing case isolation and ring vaccination to control Ebola. *PLoS NTDs.* 9: e0003794.

146. Atkins, K., Abhishek, P., Wenzel, N., Skrip, L., Yamin, D., Nyenswah, T., Fallah, M., Bawo, L., Medlock, J., Altice, F., Townsend, J., Ndeffo-Mbah, M.L. & **Galvani, A.P.** (2015) Retrospective analysis of the 2014-15 Ebola epidemic in Liberia. *American Journal of Tropical Medicine and Hygiene* 94.4 (2016): 833-39.

145. Yoko, I., Ohkusa, Y., Sugawara, T., Chapman, G.B., Yamin, D., Atkins, K.E. , Taniguchi, K., Okabe, N. & **Galvani, A.P**. (2015) Social contacts, vaccination decisions and influenza in Japan. *Journal of Epidemiology and Community Health* 70.2 (2015): 162-67.

144. Taylor, E., Atkins, K.E., Medlock, J., Li, M., Chapman, G.B. & **Galvani, A.P**. (2015) Cross-cultural household influence on vaccination decisions. *Medical Decision Making* (2015): 0272989X15591007.

143. Bellan, S.E. Pulliam, J, Pearson, C., Champredon, D., Fox, S., Skrip, L**, Galvani**, **A.P.,** Gambhir, M., Lopman, B., Porco, T., Meyers, L.A., Dushoff, J. (2015) The statistical power and validity of Ebola vaccine trials in Sierra Leone: A simulation study of trial design and analysis. *Lancet ID.* 15:703-10.

142. Yamin, D., Gertler, S., Ndeffo-Mbah, M. & **Galvani, A.P**. (2015) Impact of Ebola disease progression and case fatality on transmission and control in Liberia. *Annals of Internal Medicine.* 6;162:11-7.

141. Atkins, K.E., Wenzel, N.S., Ndeffo-Mbah, M., Altice, F.L., Townsend, J.P., **Galvani, A.P**. (2015) Under-reporting and case fatality estimates for emerging epidemics. *British Medical Journal.* 16;350:h1115.

140. Greenhalgh, S., Ndeffo-Mbah, M., **Galvani, A.P**., Parikh, S. (2015) The epidemiological impact of HIV antiretroviral therapy on malaria in children. *AIDS* 29(4): 473-82.

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137. Scarpino V. S, Iamarino A., Wells C., Yamin D. Ndeffo-Mbah, Wenzel S. N., Fox J. S., Nyenswah T., Altice F.L., **Galvani A. P**., Meyers A. L., Townsend P. J. (2015)

Epidemiological and viral genomic sequence analysis of the 2014 Ebola outbreak reveals clustered transmission, *Clinical Infectious Diseases*. ciu1131I.

136. Singh, B., Huang, H., Morton, D., **Galvani, A.P**., Clements, B., Meyers, L.A. (2015) Optimizing Distributions of Pandemic Influenza Antivirals. *Emerging Infectious Diseases.* 21: 251-8.

135. Ndeffo-Mbah, M.L., Parikh, S., **Galvani, A.P.** (2015) Comparing the impact of artemisinin-based combination therapies on malaria transmission in sub-Saharan Africa. *American Journal of Tropical Medicine and Hygiene.* 92:555-60.

134. Gutfraind, A., **Galvani, A.P**. & Meyers, L.A. (2015) Efficacy and Optimization of Palivizumab Injection Regimes against RSV. *JAMA Paediatrics*. 169:341-8.

 133. Yamin D.**,** Gertler S., Ndeffo-Mbah M. L., Skrip, L.A., Fallah, M., Nyenswah T.G., Altice, F.L., **Galvani, A. P.** (2015) Ebola transmission and control efforts for elimination in Liberia. *Annals of Internal Medicine*. 162:11-7.

132. Greenhalgh, S., **Galvani, A. P.** & Medlock, J.(2015) Disease elimination and re-emergence in differential-equation models. *Journal of Theoretical Biology* 387 (2015): 174-180.

131. Gurarie, D., Yoon, N., Li, E., Ndeffo-Mbah, M., Durham, D., Phillips, A.E., Aurelio, O., Ferro, J., **Galvani, A. P.**, & King, C.H.(2015) Modelling control of Schistosoma haematobium infection: predictions of the long-term impact of mass drug administration in Africa. *Parasites & Vectors* 8.1 (2015): 1-14.

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129. Pandey, A., Atkins, K., Bucheton, B., Aksoy, S. **Galvani, A. P.** & Ndeffo-Mbah, M.(2015) Evaluating long-term effectiveness of sleeping sickness control measures in Guinea. *Parasites & Vectors* 8.1 (2015): 1-10.

128. Gilbert, J.A., Long, E.F., Brooks, R.P., Friedland, G.H., Moll, A.P., Townsend, J.P., Galvani, A.P. & Shenoi, S.V.(2015) Integrating community-based interventions to reverse the convergent TB/HIV epidemics in rural South Africa. *PLoS ONE*. 10:e0126267.

127. Pandey, A., Atkins, K.E., Medlock, J., Wenzel, N., Townsend, J.P., Childs, J.E., Nyenswah, T.G., Ndeffo-Mbah, M., **Galvani, A.P**. (2014) Strategies for Containing Ebola in West Africa. *Science* 346(6212):991-5.

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**Research Support**

***Active***

2013-2018 NIH Multi-Scale Modeling U01 (PI: Galvani)

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2014-2019 NIH R01 NIADA (Co-PI: Galvani)

2015-2020 NIH U01 NIADA (Co-PI: Galvani)

2008- Garfield Weston Foundation (PI: Galvani)

2007- Notsew Orm Sands Foundation (PI: Galvani)

***Select Completed***

2015-2016 NSF RAPID (PI: Galvani)

2014-2016 Task Force for Global Health (PI: Galvani)

2014-2017 Novartis Foundation (Yale PI: Galvani)

2014-2017 Children’s Investment Fund (Yale PI: Galvani)

2009-2014 NIH MIDAS U01 (PI: Galvani & Meyers)

2013-2015 CDC U01 (Co-I: Galvani, PI: Friedland)

2012-2015 NSF SES (PI: Galvani)

2007-2012 NIH R01 NIAAA (Yale PI: Galvani, PI: Braithwaite)

2006-2013 Notsew Orm Sands Foundation (PI: Galvani)

2007-2012 NIH R01 NIADA (Co-I: Galvani, PI: Aksoy)

2007-2011 NIH R01 NIGMS (PI: Galvani)

2006-2011 NSF SBE (PI: Galvani)

2009-2011 UNICEF/UNDP/World Bank/WHO Programme for Research and Training in Tropical Diseases (Yale PI: Galvani)

2009-2010 NSF RAPID (PI: Galvani)

2009-2010 NIH MIDAS U01 Supplement (PI: Galvani & Meyers)

2008-2010 Howard Hughes Medical Institute (PI: Galvani)

# Training

Advisor to: David Durham (BARDA/HHS), Paula Luz (now Oswaldo Cruz Foundation, Brazil), Tim Reluga (now Penn State), Jan Medlock (now Oregon State), Eunha Shim (now U Tulsa), Yonas Tekle (now Spelman), Yoko Ibuka (now Tohoku University, Japan), Jingzhou Liu (now Goldman Sachs), and Eric Poolman (now University of Oregon), Katie Atkins (now London School of Tropical Medicine and Hygiene), Jennifer Gilbert (now Boston Healthcare Associates), Dan Yamin (now Tel Aviv University), Scott Greenhalgh (now Queens University), Sanjay Basu (now Stanford University), Alyssa Bilinski (now Partners in Health), Danielle Bloch (now New York City Health Department), Alex Rittel (now Defense Health Agency), Evan Orenstein (now Philadelphia Children’s Hospital), Meagan Fitzpatrick (U of Maryland), Martial Ndefo-Mbah (current), Jorge Alfaro-Murillo (current), Chad Wells (current), Abhishek Pandey (current), Alyssa Parpia (current), Vivian Vigloitti (current), Eric Foster (current), Amber Tang (current), Ugochukwu Ugwuowo (current), Erlyn Macarayan (Harvard) and Laura Skrip (now Public Health Foundation of Liberia), Pratha Sah (current)

**Courses & Lectures**

* Studies in Evolutionary Medicine (EMD 695a,b).
* Modeling the epidemiology and evolution of infectious diseases (EMD 565).
* Seminar in epidemiology of microbial diseases (EMD 525).
* Lab and Field Studies in Infectious Disease (EMD 525).
* Undergraduate independent research course (EEB 475)
* Instructor of graduate course ‘Evolution of infectious diseases’, UC Berkeley.
* Outreach: 1000 Girls, 1000 Futures, New York Academy of Sciences

**Advisory roles**

***Advisory Board:*** Merck Advisory Boards (Pneumococcal; Ebola; V212; Vaccine innovations; Improving US vaccine coverage), Latin American Pneumococcal Disease Consortium

***Lead:*** Population Modeling withinNIH Interagency Modeling and Analysis Group

***Ad hoc advisor:*** White House Office of Science and Technology Policy; Global Alliance for Vaccines and Immunization; Liberian Ministry of Health; Israeli Ministry of Health; Costa Rican Ministry of Health; Philippine Ministry of Health; Ministries of Health and Agriculture in India**;** Public Health Foundation of India; Sanofi Pasteur; British Columbia Centre for Disease Control; Italian Ministry of Health; Japanese National Institute of Infectious Diseases; Global Pertussis Initiative; US Senate; Biomedical Advanced Research and Development Authority; World Health Organization

# Selected Organizational Activities

* National Academy of Sciences Colloquia. Washington DC, March 13-15, 2016
* Infectious Disease Modeling Workshop at the University of KwaZulu Natal, Durban. July 6-8, 2009
* Scientific Advisory Board Member of Workshop ‘Mitigating the spread of influenza: lessons learned from past outbreaks, Arizona State University, Tempe. June 25-28, 2009
* Economic Epidemiology Advanced Study Institute, Makerere University, Uganda, 20 July-1 August, 2009
* NIH Microbiology & Infectious Disease Research Committee to review K applications
* NSF-funded DIMACS meeting ‘Addressing social conflict in public health and environmental policy modeling’ at Rutgers University, October 15-17, 2007.
* NSF-funded DIMACS meeting ‘Evolutionary Considerations in Vaccine Use’ at Rutgers University, June 27-30, 2005.

# Selected Invited Presentations

* National Academy of Sciences, March, 2016
* New York Academy of Sciences, July 2015
* World Health Organization, December 2015
* Sanofi Pasteur April 20, 2012
* US Department of Health and Human Services. August 18, 2009
* Health Law Policy and Bioethics Seminar, Harvard Law School. April 29, 2009
* HPA, Epidemiology and Public Health, Yale University. November 17, 2008
* CBB, Yale University. April 3, 2008
* University of Austin, Texas. March 6, 2008
* YIBS, Yale University. April 11, 2008
* Behavioral Epidemiology Workshop, University of Washington, Seattle. June 20, 2006
* Award talk. Fairbanks, Alaska. Evolution meetings. June 13, 2005
* SAMSI, Research Triangle Park, Jan 31, 2005
* Yale University, Medical School, Division of Epidemiology of Microbial Diseases, Feb 18, 2004
* University of Maryland, College Park, Biology Department. Jan 29, 2004.
* University of Wisconsin, Madison, Department of Zoology. Dec 11, 2003
* University of British Columbia, Department of Zoology. Dec 2, 2003
* DIMACS meeting on Genetics and Evolution of Pathogens, Rutgers University. Nov 24, 2003
* University College London, Department of Biology. May 15, 2003
* University of McMaster, Department of Mathematics. March 30th, 2001.
* Workshop on Evolutionary Epidemiology of Strain Structure in Pathogen Populations, University of Warwick. Jan 15th-17th, 2001.
* University of Toronto, Department of Zoology. March 21st, 2001.
* W.D. Hamilton Symposium, University of California at Berkeley. Oct 19th-21st, 2000.
* Harvard School of Public Health. Oct 26th, 2000.