



- Name of Organization(s): Ascel Bio, LLC
- Lead Investigator: James M. Wilson V, M.D.
- Current Team Members: Less than 10 FT Staff



- Research Areas of Interest:
 - The operationalization of sociology for incisive analysis
 - Development of artificial intelligence algorithms for complex social event signature forecast, detection, recognition, and warning
 - Development of analytic workflow systems that optimize the artificial algorithm-human interface
 - Application of successful bio-hazard approaches to other hazards.



- Founded the discipline of operational biosurveillance, itself an extension of operationalized sociology
 - Conceptualized and led the creation of Project Argus
 - Provided early warning of the H1N1 influenza pandemic to the CDC and WHO
 - Provided forecast and early warning of the spread and attribution of non-endemic cholera in Haiti using multi-source social signature recognition
 - Provided warning of over 250 pathogen events in every country of the world across 43 languages that often beat traditional methodologies
- Providing near real-time forecasting



- Type of research group we seek to join:
 - Strong record on IC project management
 - Multi-disciplinary mathematical / quant modeling
 - Complimentary social science skills, particularly with multi-cultural ethnographic and anthropological perspectives in the area of risk perception
 - Infrastructure (incl. transportation) modeling & analytics
 - Economic modeling expertise
 - All hazards impact modeling expertise
 - Data visualization, particularly of multi-variate signature data
 - Advanced machine learning and analytics partners



Contact Information

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