

## Contact

[www.linkedin.com/in/mark-dreyfuss-562b1326](https://www.linkedin.com/in/mark-dreyfuss-562b1326) (LinkedIn)

## Top Skills

Higher Education Teaching  
Guest Lecturing  
Environmental Epidemiology

## Publications

Is Norovirus a Foodborne or Pandemic Pathogen? An Analysis of the Transmission of Norovirus-Associated Gastroenteritis and the Roles of Food and Food Handlers.

Agar-gel Immunodiffusion Test for the Rapid Identification of Pollock Surimi in Raw Meat Products.

Cholesterol Metabolism by Mycobacterium.

Beef Grinding and Record Keeping Practices, a Survey of Retail Establishments in Three States, 2008

Pathogen Control in Meat and Poultry Production: Implementing the USDA Food Safety and Inspection Service's Hazard Analysis and Critical Control Point System

# Mark Dreyfuss

Adjunct Professor/ Epidemiologist  
San Diego, California, United States

## Summary

### Core Competencies

- Outbreak Investigation
- Public Health Policy Implementation
- Curriculum Development • Epidemiological Modeling
- Risk Analysis & Management
- Faculty Development • Case-Control Studies
- Scientific Research and Analysis
- Interdisciplinary Collaboration

Expert educator with a robust background in developing and implementing innovative teaching strategies tailored to the diverse needs of students across various health-related disciplines. Excel in delivering comprehensive lectures and facilitating advanced discussions on microbiology topics. Proficient in developing and revising course curricula, integrating the latest scientific research, and aligning with departmental objectives and accreditation standards. Accomplished professional seasoned in epidemiological research and disease surveillance, leveraging advanced statistical analysis, biostatistics, and data interpretation to uncover trends, patterns, and public health risks. Expert in designing and conducting epidemiological studies, including cohort, case-control, and cross-sectional studies, ensuring rigorous data collection, validation, and management.

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## Experience

### ECOSAVE TECHNOLOGIES PRIVATE LIMITED

Vice President

January 2025 - Present (7 months)

### Baltimore City Community College

11 years 5 months

### **Adjunct Professor**

December 2013 - April 2025 (11 years 5 months)

Baltimore, MD

### **Adjunct Professor**

December 2014 - December 2024 (10 years 1 month)

Baltimore, MD

Microbiology and Biochemistry

### **None**

### **Semi Retired**

November 2024 - December 2024 (2 months)

### **Maryland State Police Forensic Sciences Division, Firearms and Tool Marks Unit**

#### **Public Health Laboratory Scientist**

February 2018 - June 2019 (1 year 5 months)

Baltimore, Maryland Area

Validate new comparison microscope system and extend peer to peer connection for viewing and confirming criteria for fired bullet and cartridge case markings.

### **Leagacy Leadership Institute on Public Policy Program of the Univeristy of Maryland**

#### **Legacy Leader**

September 2012 - April 2013 (8 months)

Annapolis, MD

Serve in an advice, direction and assistance capacity to a member of the Maryland General Assembly as a member of the Legacy leadership Institute on Public Policy Program during the 2013 term.

### **USDA-FSIS**

8 years

#### **Special Assistant**

April 2010 - September 2011 (1 year 6 months)

Washington, DC

Led special projects that span multiple program areas and agencies. In particular,

1. Initiated, developed, and directed risk profiles and assessments of hazards to public health. Such hazards include E. coli non-O157:H7 STECs, Norovirus,

- C. difficile, MRSA, MAP, Water Contamination, Toxoplasmosis, and Antibiotic Resistance by numerous pathogens.
2. Initiated, planned program collaborative advancement of laboratory methods to establish equivalency between FDA, FSIS and CDC.
  3. Served as COTR for the development of the federal interagency project on Microbial Risk Guidelines.
  4. Served as a subject matter expert for the National Advisory Committee on Microbiological Criteria for Food, on the Norovirus subcommittee.
  5. Initiated and established an overall communication system for announcements, documents, recalls, and presentations through Microsoft SharePoint for all of OPHS.

#### Branch Chief

October 2003 - April 2010 (6 years 7 months)

Washington, DC

As Chief of the Microbiological Issues Branch, I supervised a diverse group of 10 scientists and initiated and led various microbiological and public health related projects. Under my direction, this branch contributed microbiological expertise to FSIS by identifying emerging public health issues, provided guidance on epidemiology and public health outbreaks using baseline studies and analyses. We reviewed or evaluated microbiologically related policy, conducted inspection and enforcement activities, determined risk assessment, established policy, conducted in-depth verification (IDV) reviews and international equivalence audits. Recent branch accomplishments included:

1. Designed, developed, and proposed a series of surveillance and monitoring baselines of infectious pathogens in meat and poultry products that will provide national prevalence for farm through table.
2. Review of the E. coli O157 risk based sampling and the plant risk profile survey. Also produced the Salmonella quarterly reports for CY2006 and reviewed compliance guidelines (2nd edition) for control of Salmonella and Campylobacter in poultry.
3. Reviewed the Agency's verification testing at a meat slaughtering and processing establishment related to infectious disease outbreaks including a Norovirus outbreak in Colorado and through tracking PFGE patterns from positives found in plant samples.
5. Reviewed the sample collection procedures, methodology, and quality assurance procedures used by state laboratories. This review resulted in the

support and collaboration of the outbreak/illness investigations and led to the recall of contaminated product from the marketplace.

6. Implemented human resource functions managing 10 employees, \$2 million budget, strategic planning, recruiting, salaries & benefits, special projects, funding

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## Education

### Walden University

PhD, Epidemiology, Public Health · (2006 - 2009)

### Walden University

Master of Science, Public Health; Public Health · (2003 - 2006)

### The Ohio State University

Master's, Microbiology · (1974 - 1978)

### The Ohio State University

Bachelor's, Microbiology · (1970 - 1973)