

# Dismantling the One-Size-Fits-All Model of Medicine



Shuji Ogino

Professor, Pathology Professor, Department of Epidemiology

## CURRENT RESEARCH

A new field within medicine brings personalized care to the forefront of treatment

For a long time, treating patients has operated on a "one-size-fits-all" model in which we have assumed that all patients with a given disease name have similar problems and thus, need the same treatment. This phenomenon, termed the homogeneity assumption, has recently been debunked by the "Unique Disease Principle" which states that disease is fundamentally different in each individual it affects. Dr. Shuji Ogino, of the Dana-Farber Cancer Institute, created and continues to develop the blossoming field of Molecular Pathological Epidemiology (MPE). Through the emergence of MPE as a new field, he hopes to make broad impacts and contribute to overall advancements of science for maximum benefits to human beings in the world, by means of transforming paradigms and frameworks of biomedical and health sciences. Dr. Ogino's approach is bringing personalized care back to care providers while producing results that save lives.

Although MPE is a relatively new field, having been first introduced to academia in 2010, Dr. Ogino's efforts have already largely impacted the ways in which providers and scientists think about healthcare delivery and research. It is his hope that continued efforts will accomplish various goals such as improvement of health sciences and decrease in disease burden in world population. The integration of pathology, the study of disease mechanism, and epidemiology, the study of disease in large populations, creates novel strengths never before combined in other fields. Building upon such strengths and helping the MPE philosophy to be an important part of medical training will one day prepare providers and researchers for a future of personalized medicine on a global scale. Through the lens...

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## AFFILIATION



Dana-Farber Cancer Institute

## EDUCATION

- M.D., 1993 , University of Tokyo School of Medicine
- Ph.D., in Pathology, 2001 , University of Tokyo Graduate School of Medicine
- M.S., in Epidemiology, 2010 , Harvard School of Public Health

## AWARDS

- 2011 Ramzi Cotran Young Investigator Award, United States and Canadian Academy of Pathology
- 2012 Meritorious Service Award, Association for Molecular Pathology
- 2014 The Best of AACR Journals (selected as the corresponding author)
- 2014 Most Influential Scientific Minds: 2014, selected by Thomson Reuters
- 2014 Elected Member, American Society for Clinical Investigation

## RESEARCH AREAS

Life Science

## FUNDING REQUEST

Your contributions will support the continued research of Dr. Shuji Ogino, as he further develops the field of Molecular Pathological Epidemiology. Donations between \$10K to \$100K could significantly help to support the cost of personnel while each project typically costs a total of \$400K. In choosing to donate you will play a role in transforming paradigms and frameworks of biomedical and health sciences.