

The Mathematical Biosciences Institute Public Lecture Series
at The Ohio State University welcomes

Carlos Castillo-Chavez

Joaquin Bustoz Jr. Professor of Mathematical Biology
Regents Professor
Arizona State University



Tuesday, September 26, 2006

6:30 p.m.

Fawcett Center Auditorium, 2400 Olentangy River Road

Emergent Disease and the Challenges of Globalization

Our world is composed of a multitude of diverse communities tightly linked by economic interests and various associated factors typically collected in the word "globalization." Mass and air transportation, immigration, and the integration of large heterogeneous economic communities (European Community, NAFTA, Mercosur, etc.) have dramatically altered the world. These "forces" have transformed the local and global, social and environmental landscapes that we live in today, and their impact is likely to grow. In this lecture, Professor Castillo-Chavez will address some of the challenges that we face in this new world order, particularly when dealing with global health challenges and public health policy. He will illustrate some of these issues using recent and current experiences with tuberculosis, influenza, HIV, and drug use (alcohol and ecstasy).

Carlos Castillo-Chavez's research program lives at the interface of the natural and social sciences, putting emphasis on the role of dynamic social landscapes on disease evolution. He has received numerous awards, including two White House Awards. In addition, he is the executive director of the Mathematical and Theoretical Biology Institute, or MTBI, and SUMS (Strengthening the Understanding of Mathematics and Science), which provides successful university experiences for students from economically disadvantaged groups in order to enhance their prospects for future academic success.

For more information on the MBI, visit mbi.osu.edu.

The lecture is free and open to the public.
A reception with complimentary food and a cash bar will follow.



The MBI is an NSF
funded institute.



Mathematical Biosciences Institute

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Sponsored by the National Science Foundation, the Mathematical Biosciences Institute at The Ohio State University is the only national institute devoted entirely to the interaction of the mathematical sciences with the life sciences. The MBI offers a community of mathematical and biological scholars the opportunity to collaborate in developing new mathematical theories, statistical methods, and computational algorithms for the analysis of the vastly growing amount of biological data.



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MATHEMATICAL BIOSCIENCES INSTITUTE



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