

**Sylvester Institute for Mathematics, Computing, and Application (SIMCA)  
The Johns Hopkins University**

**SIMCA COLLOQUIUM**

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Mathematical Biosciences Institute  
The Ohio State University

Wednesday, April 23, 2003  
110 Clark Hall  
4:00 p.m.

**MATHEMATICAL BIOSCIENCES INSTITUTE:  
PROGRAMS AND PROBLEMS**

**ABSTRACT**

In this presentation I shall describe the new Mathematical Biosciences Institute that was set up at Ohio State University, with NSF funds. I shall give some details on the structure of the institute, the scientific and educational programs, and the visitors and postdoc program. The first two years of the institute focus on “mathematical neuroscience” and “mathematical modeling of cell processes”. The third year will be devoted to genomics/proteomics. I shall also briefly mention some challenging mathematical problems that arise in the modeling of some biological/medical processes.