

# LSUHSC School of Medicine in New Orleans

## 17th Annual Retreat Neuroscience Center of Excellence

Members of the Greater New Orleans Chapter of the Society for Neuroscience are welcome.

Saturday, April 9, 2005  
8:00 AM to 2:00 PM



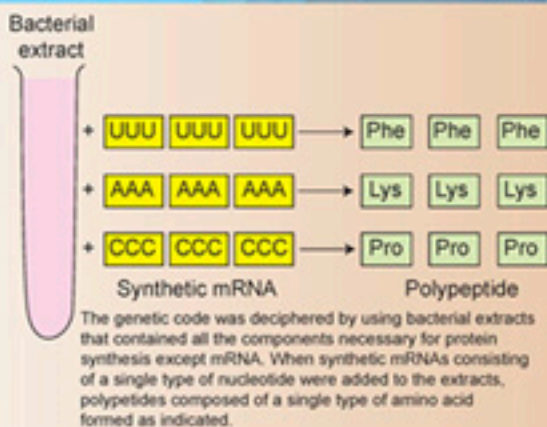
**Chancellor's Award Lecturer  
in Neuroscience  
and Keynote Speaker  
Keynote Lecture — 9:00 a.m.**

### The vnd/NK-2 Homeobox Gene and The Initial Strategy for the Assembly of Part of the Embryonic Nervous System of *Drosophila*

#### Dr. Marshall Nirenberg

Chief of Laboratory of Biochemical Genetics  
National Heart, Lung, and Blood Institute  
National Institutes of Health, Bethesda, Maryland  
Nobel Laureate in Physiology or Medicine, 1968  
"for Deciphering the Genetic Code"  
(shared with Gobind Khorana and Robert Holley)

Neural pathways of development are initiated independently in *Drosophila* embryos in three longitudinal columns of neuroectodermal cells along the dorso-ventral axis of CNS. Expression of the ventral nervous system defective/NK-2 homeobox gene is the first step that commits cells to the neural pathway of development in the medial column of neuroectodermal cells. The initial strategy used for the assembly of the ventral nerve cord and the formation of a pattern of neuroblasts that express the vnd/NK-2 gene will be discussed.



#### CHARACTERISTICS AND STABILIZATION OF DNAASE-SENSITIVE PROTEIN SYNTHESIS IN *E. COLI* EXTRACTS

By J. HEINRICH MATTHEISS\* and MARSHALL W. NIRENBERG

NATIONAL INSTITUTES OF HEALTH, BETHESDA, MARYLAND

#### THE DEPENDENCE OF CELL-FREE PROTEIN SYNTHESIS IN *E. COLI* UPON NATURALLY OCCURRING OR SYNTHETIC POLYRIBONUCLEOTIDES

By MARSHALL W. NIRENBERG and J. HEINRICH MATTHEISS\*

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