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Name	Sewall W r i g h t	Academic position or title
Address	University of Wisconsin Madison, Wisconsin	Professor of Genetics
Name	Motoo K i m u r a	Academic position or title
Address	National Institute of Genetics Mishima, J a p a n	Professor
Name	Gustave M a l é c o t	Academic position or title
Address	Université de Lyon, F r a n c e	Professeur de Mathématiques,

The nomination concerns the discovery of

the mathematical theory of biological evolution.

Summary of the description of the discovery qualifying for the award

Professor Sewall Wright is responsible for many developments in the mathematical theory of evolution and of animal and plant breeding. He has, in particular studied the effect of chance on evolution, usually indicated as random genetic drift, and the balance between evolutionary forces. He should receive half of the prize. The other half should be divided between M. Kimura and G. Malécot. They have made the study of random genetic drift and genetic population structure more rigorous. They have contributed greatly to our understanding of the process of inbreeding (G.M.), of evolutionary differentiation between populations, (G.M. and M.K.), and of the contribution of selectively neutral mutations in evolution. (M.K.).

Name of nominator:

Academic position or title:

Luigi L. Cavalli-Sforza

Professor of Genetics

Address: Stanford Medical School, Stanford, California 94305

Signature of Nominator:



Date:

11/28/79