

## Research Proposal Submitted to the National Science Foundation

Proposed Amount 113,544 Proposed Effective Date 6/1/76 Proposed Duration 24  
(months)

Title MOLGEN: A Computer Science Application to Molecular Genetics

Principal Investigator \_\_\_\_\_ Submitting Institution Stanford University  
Soc. Sec. No. \_\_\_\_\_

Department Computer Science

Institution \_\_\_\_\_ Branch/Campus Main  
(if different from submitting institution)

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Branch/Campus \_\_\_\_\_

Co-Principal Investigator Edward A. Feigenbaum Soc. Sec. No. [REDACTED]

Co-Principal Investigator Joshua Lederberg Soc. Sec. No. [REDACTED]

If renewal request previous NSF grant No. \_\_\_\_\_

Make grant to Stanford University  
(name of institution or organization to which grant should be made)

## Endorsements:

Principal Investigator(s)	Dept. Head	Institutional Admin. Official
Name <u>Edward A. Feigenbaum</u>	<u>Robert Floyd</u>	<u>D'Ann Downey</u>
Signature <u>Edward A. Feigenbaum</u>	<u>Robert W. Floyd</u>	_____
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Date _____	_____	_____

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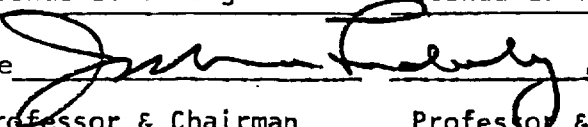
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## Endorsements:

Principal Investigator(s)	Dept. Head	Institutional Admin. Officer
Name <u>Joshua Lederberg</u>	<u>Joshua Lederberg</u>	<u>D'Ann Downey</u>
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## 1 PROLOGUE

The scientific text of this proposal is identical with that of the companion from the University of New Mexico. The budget is separate and it will be administered by Stanford University as indicated in the budget page. We realize that this is an unusual procedure but we feel it is justified as a means of bringing geographically separate scientists together to work on common problems. The personnel involved in the proposals began working together on the organization of the project in June, 1975 when Prof. Martin visited Stanford for the summer. We are proposing that Martin spend the major part of the first year at Stanford, working closely with the Stanford group on all phases of the foundation of the system. This is strongly supported by Prof. D. Morrison, chairman of the Division of Computing and Information Science at UNM. The second year Martin will return to UNM to continue working on special subparts of the system with the aid of a UNM graduate research assistant. Constant communication can be maintained through the excellent SUMEX-AIM time sharing installation as outlined in the Resource Section of this proposal. At regular intervals all participants in the project will meet at Stanford to review progress and suggest new directions.

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