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13. ABSTRACT (Maximum 200 words) This grant provided partial support for U. S. Scientists who participated in a NATO workshop in Cargèse, June 1-5, 1993. 94-05363

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FINAL REPORT

TO THE OFFICE OF NAVAL RESEARCH

NATO Advanced Research Workshop on "Statistical Mechanics,
Protein Structure and Protein-Protein Interactions"

Meeting in Cargese, Corsica

June 1-5, 1993

Principal Investigator: S. Doniach

Ginzton Labs

Stanford University

Stanford, CA 94305

This workshop was held as planned. Attached is the detailed program of the workshop with abstracts. We have now received manuscripts from a large majority of the speakers at the workshop and additional short contributions from four of the people who applied to attend. These will be published as a book by Plenum Press, to appear in early 1994.

This workshop brought together theoreticians working on very simplified models of proteins, computational chemists and biochemists working on realistic computer models of protein structure, and experimentalists working both on structure (x-ray crystallography and nmr), and on function. One of the principal themes was the study of protein folding on a variety of time scales and under thermodynamic conditions. The lecturers and participants came from a variety of disciplines.

Here is a rough breakdown:

<u>Lecturers:</u>	Theoretical Physicists	5
	Experiemental Physicists	1
	Computer Scientists	1
	Theoretical Chemists	5
	Experimental Chemists	1
	Theoretical Biochemists	8
	Experimental Biochemists	9
<u>Participants:</u>	Theoretical Physicists	3
	Theoretical Chemists	2
	Theoretical Biochemists	12
	Experimental Biochemists	8

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Also attached is a list of the names of the invited speakers and of the applicants who participated. As may be seen, there were a total of thirty-two speakers and twenty-nine participants. The country breakdown is shown on the attached sheet.

The support of the Office of Naval Research for this meeting made a significant difference between being able to hold it and not being able to hold it. NATO awarded us \$22,000, about half the amount we requested and with the additional monies from ONR we were able to pay at least half the travel and all living expenses to all invited speakers. This probably made a very significant difference to the quality of people we were able to attract.

Attachments: Abstract Book
List of Speakers and Participants

**NATO ARW "statistical mechanics, protein structure
and protein-protein interactions"**

Cargese meeting 1-4 June 1993

(arrival May 31 pm, departure June 5 am)

<u>name</u>	<u>location</u>	<u>country</u>	<u>name</u>	<u>inst</u>	<u>country</u>
<u>eec speaker:</u>			<u>participants</u>		
E. Benedetti	Napoli	I	Adams, Joseph	San Diego	U
J. Durup	Toulouse	F	Altschu, Daniele	CNRS Strasbourg	F
R. Engh	Martinsried	G	Archontis, Georgios	Harvard	Gr
M. Goldberg	Paris	F	Bascle, Jehanne	CEN Saclay	F
W. Jaenicke	Regensburg	G	Blondel, Arnaud	Harvard	U
F. Jahnig		G	Campa, Alessandro	Ist di Sanita, Rom	I
R. Janin	Orsay	F	Chau, P.L.	univ Cambridge	E
R. Lavery	Paris	F	Chan, Shek-Ling	Toronto	C
C. Orengo	London	E	Delarue, Marc	CNRS, Strasbourg	F
H. Orland	Saclay	F	Etchebest, Catherine	rue PetM Curie, P	F
W. Pfeil	Berlin	G	Giansanti, Andrea	Dpt di Fisica, Rom	I
J. Smith	Saclay	F	Graziano, Giuseppe	Un Napoli	I
G. Vriend	Heidelberg	G	Haaksma, Eric	Thomae GMBH	G
S. Wodak	Bruxelles	B	Holm, Liisa	EMBL Heidelberg	G
	14		J-M Kwasigroch	Univ P&M Curie	F
			Lancaster, David	Theor.Phys, Oxford	E
			Lazaridis		F
			Malliavin, Therese	fac pharm, Montp	F
			Mely, Yves	fac pharm Illkirch	F
			Oomen, Ray	Connaught labs inc	C
			Pellegrini, Matteo	Stanford	U
			Pietsch, Marion	Univ. Bayreuth	G
			Pompea del Vecchio	Un Napoli	I
			Prevost, M	Univ Libre Bruxell	B
			Rooman, M	Univ Libre Bruxell	B
			Thomas, Aline	CNRS Grenoble	F
			Trosset, Jean-Yves	INRA, Jouy-en-Jos	F
			Tuffery, Pierre	Inserm, Univ Paris	F
			Zakrzewska, Krysty	IBPC Paris	F

US speakers

R. Baldwin	Stanford	U			
S. Doniach	Saclay	U			
W. Eaton	Bethesda	U			
R. Elber	Jerusalem	U			
K. Fiebig	San Francisco	U			
B. Honig	New York	U			
O. Jardetzki	Stanford	U			
P. Jennings	La Jolla	U			
R. Jernigan	Bethesda	U			
E. Lattman	Baltimore	U			
B.K. Lee	Bethesda	U			
M. Levitt	Stanford	U			
M. Paulaitis	Delaware	U			
E. Shakhnov	Cambridge MA	U			
D. Thirumal	College Park	U			
	15				

number of participants:

29

others

B. Jonsson	Lund	S			
P. Guntert	Zurich	Sz	total spkrs		
M. Sippl	Salzburg	A		32	

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spkrs,prtcnts summary

Summary by country:

Country	speakers	participants
Austria	1	
Belgium	1	2
Canada		2
England	1	2
France	6	12
Germany	5	3
Greece		1
Italy	1	4
Sweden	1	
Switzerland	1	
US	15	3