

FINAL REPORT

University of Southern California

Grant # DE-FG03- 01ER63090

Title: Computational Biology Support: RECOMB Conference Series (conference support)

Period of performance: February 15, 2001 to February 14, 2006

PI: Michael Waterman

This funding was support for student and postdoctoral attendance at the Annual Recomb Conference from 2001 to 2005.

The RECOMB Conference series was founded in 1997 to provide a scientific forum for theoretical advances in computational biology and their applications in molecular biology and medicine.

The conference series aims at attracting research contributions in all areas of computational molecular biology. Typical, but not exclusive, the topics of interest are:

- Genomics,
- Molecular sequence analysis,
- Recognition of genes and regulatory elements,
- Molecular evolution,
- Protein structure,
- Structural genomics,
- Gene Expression,
- Gene Networks,
- Drug Design,
- Combinatorial libraries,
- Computational proteomics,
- Structural and functional genomics.

The origins of the conference came from the mathematical and computational side of the field, and there remains to be a certain focus on computational advances. However, the effective use of computational techniques to biological innovation is also an important aspect of the conference.

The conference had a growing number of attendees, topping 300 in recent years and often exceeding 500.

The conference program includes between 30 and 40 contributed papers, that are selected by a international program committee with around 30 experts during a rigorous review process rivaling the editorial procedure for top-rate scientific journals. In previous years papers selection has been made from up to 130--200 submissions from well over a dozen countries. 10-page extended abstracts of the contributed papers are collected in a volume published by ACM Press and Springer, and are available at the conference. Full versions of a selection of the papers are published annually in a special issue of the Journal of Computational Biology devoted to the RECOMB Conference.

A further point in the program is a lively poster session. From 120-300 posters have been presented each year at RECOMB 2000.

One of the highlights of each RECOMB conference is a collection of nine keynotes awarded to researchers of highest international esteem who are asked to inform the community about landmark advances in computational and experimental research and inject new directions into the field of computational molecular biology. This includes the following conference events:

Next we present a list of the names of the students and postdocs supported. Those supported either presented a paper (10 in 2001, 6 in 2002, 7 in 2003, 14 in 2004, and 20 in 2006) or were they presenter of a poster. This support was vital to the quality and success of the Conference. At the conclusion we give the publication details of the relevant Recomb proceedings.

DOE support - 2001- 2005			
	Name	Award	Affiliation
2001			
		\$	
1	Mathieu Blanchette	500	UC - Santa Cruz
		\$	
2	Matan Ninio	500	Hebrew University
		\$	
3	Gert Thijs	500	ESAT - Belgium
		\$	
4	Tal Pupko	365	Tel-Aviv University
		\$	
5	Christopher Langmead	500	Dartmouth College
		\$	
6	Bjarni Halldorsson	500	Carnegie Melon University
		\$	
7	Philip Bradley	468	MIT
		\$	
8	Guang Song	\$	Texas A&M University

		500	
		\$	
9	Vladimir Filkov	500	SUNY - Stony Brook
		\$	
10	Jeremy Buhler	500	University of Washington
		\$	
11	Katherina Kechris	300	UC - Berkeley
		\$	
12	Chaim Linhart	300	Tel-Aviv University
		\$	
13	Barry Cohen	300	SUNY - Stony Brook
		\$	
14	Eran Segal	300	Stanford University
		\$	
15	Yufeng Wang	300	Iowa State university
		\$	
16	Jinsong Cai	300	Columbia University
		\$	
17	Chris Pal	300	University of Waterloo, Canada
		\$	
18	Mike Hu	289	University of Waterloo, Canada
		\$	
19	Michael Thorne	300	Genome Sequence Centre
		\$	
20	Doron Lipson	300	Israel Institute of Technology
		\$	
21	Julie Chabalier	300	CNRS
		\$	
22	Sven Rahmann	300	Max-Planck-Institut fuer Molekulare Genetik
		\$	
23	Jens Gramm	300	Eberhard Karls Universitat, Tuingen, Germany
		\$	
24	Serkan Apaydin	296	Stanford University
		\$	
25	Nicole White	300	Medicla University of South Carolina
2002			
		\$	
1	Arndt, Peter	722	UC - San Diego
		\$	
2	Bar-Joseph, Ziv	750	MIT
		\$	
3	Bilu, Yonatan	750	Hebrew University of Jerusalem - ~?
		\$	
4	Blanchette, Mathieu	730	UC - Santa Cruz
		\$	
5	Bradley, Philip		MIT

		500	
		\$	
6	Dror, Ron	738	MIT
		\$	
7	Figueroa, Andres	750	UC - Riverside
		\$	
8	Filkov, Vladimir	750	SUNY - Stony Brook
		\$	
9	Tzvika Hartman	691	Weizmann Institute of Science
		\$	
10	Grant, Eilidh	750	University of Glasgow
		\$	
11	Ji, Yongmei	750	Washington University, Saint Louis
		\$	
12	Sinha, Saurabh	512	University of Washington
		\$	
13	Keskin, Ozlem	750	Koc University, Turkey

2003

		\$	
1	Itay Lotan	1,000	Stanford University
		\$	
2	Carlos Trenado	1,000	New Mexico State University, Las Cruces
		\$	
3	Derek Chiang	1,000	UC - Berkeley
		\$	
4	Boris Shakhnovich	978	Boston University
		\$	
5	Jing Li	1,000	UC - Riverside
		\$	
6	Francisco Molina	1,000	UC - Berkeley
		\$	
7	Umar Syed	991	Cornell University
		\$	
8	Niranjan Nagarajan	1,000	Cornell University
		\$	
9	Intikhab Alam	500	University of Bielefeld, Germany
		\$	
10	Brian Chen	1,000	Rice University
		\$	
11	Neil Jones	1,000	UC - San Diego
		\$	
12	Andres Figueroa	1,000	UC - Riverside
		\$	
13	Oleg Rokhlenko	1,000	Israel Institute of Technology
14	Vadim Valuev	\$	Institute of Citology and Genetics, Novosibirsk, Russia - ?

		500	
		\$	
15	Barak Shenhav	1,000	Weizmann Institute of Science
		\$	
16	Dana Reichman	1,000	Weizmann Institute of Science
		\$	
17	Alia Ben Kahla	549	Max-Planck Institut, Berlin
		\$	
18	Arthur Lesk (Speaker)	829	University of Cambridge, UK
		\$	
19	Arpad Furka (Speaker)	201	Eotvos Lorand Univesity, Hungary
		\$	
20	Eduard Trifonov (Speaker)	659	University of Haifa

2004

		\$	
1	Simon Kogan	800	University of Haifa
		\$	
2	Lan Zhang	500	Harvard Medical School
		\$	
3	David Peterson	450	Colorado State University
		\$	
4	Jialu Zhang	500	University of Maryland, Baltimore
		\$	
5	Marta Milo	788	University of Sheffield
		\$	
6	Bonnie Kirkpatrick	500	Montana State University
		\$	
7	Xinyu Tang	500	Texas A&M University
		\$	
8	Boris Hayete	300	Boston University
		\$	
9	Zhangyuan Wang	300	Louisiana State University
		\$	
10	Pawel Gorecki	781	Warsaw University
		\$	
11	Alesey Kutsenko	800	Karolinska Institute
		\$	
12	Haifeng Li	300	UC- Riverside
		\$	
13	Luay Nakhleh	500	University of Texas, Austin
		\$	
14	Ying Liu	356	Georgia Institute of Technology
		\$	
15	Guang Song	500	Iowa State University

		\$	
16	CM Leung	750	The University of Hong Kong
		\$	
17	Preethi Siddula	300	Kent State University
		\$	
18	Ryan Lilien	500	Dartmouth College
		\$	
19	Boris Shakhnovich	500	Boston University
		\$	
20	Wasinee Rugsarityotin	800	Max-Planck Institute for Molecular Genetics
		\$	
21	Xiaoyue Zhao	450	UC - Berkeley
		\$	
22	Jing Li	300	UC - Riverside
		\$	
23	Eran Halperin	500	Princeton University
		\$	
24	Yang Huang	375	Rutgers University
		\$	
25	Jun Huan	500	University of North Carolina at Chapel Hill
		\$	
26	Ido Wexler	750	Technion - Israel Institute of Technology
		\$	
27	Vijayalakshmi Chelliah	470	University of Cambridge
		\$	
28	Alexander Sczyrba	800	Bielefeld University
		\$	
29	Sven Rahmann	446	Max-Planck Institute for Molecular Genetics
		\$	
30	Longde Yin	450	University of Connecticut
		\$	
31	Sagi Snir	800	Technion - Israel Institute of Technology
		\$	
32	Ruchir Shah	500	University of North Carolina at Chapel Hill
		\$	
33	Jinghua Hu	500	University of Massachusetts, Amherst
		\$	
34	Cleber V. G. Mira	800	UNICAMP, Universidade de Campinas, Brazil
		\$	
35	Yanlong Xu	349	none

2005

		\$	
1	Jack Yang	14	Indiana University - partially paid by NSF award
2	A.Tanay	\$	Tel Aviv Univ.

		1,000	
		\$	
3	D.Burstein	1,000	Tel Aviv Univ.
		\$	
4	I.Ulitsky	1,000	Tel Aviv Univ.
		\$	
5	I.Gat-Viks	1,000	Tel Aviv Univ.
		\$	
6	C. Yeang	500	UC Santa Cruz
		\$	
7	B. Kilel	500	George Mason Univ.
		\$	
8	E. Hazan	500	Princeton Univ.
		\$	
9	E. Karakoc	945	Simon Fraser Univ.
		\$	
10	A. Can	945	Case Western
		\$	
11	S.Zhang	500	UCSD
		\$	
12	M. Drton	500	UC Berkeley
		\$	
13	Y. Liu	500	Carnegie Mellon
		\$	
14	A. Frank	500	UCSD
		\$	
15	M. Barenboim	402	George Mason Univ.
		\$	
16	A. Shulman-Peleg	1,000	Tel-Aviv University
		\$	
17	M. Shatsky	1,000	Tel Aviv Univ.
		\$	
18	N. Chia	500	Ohio State
		\$	
19	J. Mixtacki	1,000	Bielefeld Univ.
		\$	
20	S. Tanner	500	UCSD
		\$	
21	D. Lipson	956	Technion
		\$	
22	V. Bansal	500	UCSD
		\$	
23	T. Tuller	1,000	Tel Aviv Univ.
		\$	
24	Z. Ding	500	UC Davis
		\$	
25	C. Zilberstein	1,000	Technion

	\$
TOTAL DOE	72,145

Recomb Proceedings.

Proceedings Fifth Annual Conference on Computational Molecular Biology (RECOMB 2001)}T. Lengauer, D. Sankoff, S. Istrail, P. Pevzner and M.S. Waterman, Editors. ACM Press, Order Number 508011, (April 22-25, 2001)

Proceedings Sixth Annual Conference on Computational Molecular Biology (RECOMB 2002)}T. Lengauer, E. Meyers , S. Istrail, P. Pevzner and M.S. Waterman, Editors. ACM Press, Order Number , (April 18-21, 2002)

Proceedings Seventh Annual Conference on Computational Molecular Biology (RECOMB 2003)}T. Lengauer, W. Miller, S. Istrail, P. Pevzner and M.S. Waterman, Editors. ACM Press, Order Number 508031, (April 10-13, 2003)

Proceedings Eighth Annual Conference on Computational Molecular Biology (RECOMB 2004)} D. Gusfield, P. Bourne, S. Istrail, P. Pevzner and M.S. Waterman, Editors. ACM Press, Order Number 508041, (March 27-31, 2004)

Proceedings Ninth Annual Conference on Computational Molecular Biology (RECOMB 2005)} S. Miyano, J. Meserov, S. Kasif, S. Istrail, P. Pevzner and M.S. Waterman, Editors. Lecture Notes in Bioinformatics (LNBI 3500), Springer (2005).