

Aspen Nov 80
Aug '82

TENTATIVE PROGRAM
WORKSHOP ON COMPUTATIONAL ANALYSIS OF DNA SEQUENCES

Topic Contributors Schedule

Topic	Contributors	Schedule
Alignment Algorithms	Brutlag; Davison; Erickson; Fitch	I Tues. (8/31) a.m.
Metric Analysis	Goad (*I) Hunkapiller	II Tues. (8/31) p.m.
Other Methods	Kanehisa; Lipman, Maizel	III Mon. (9/7) p.m.
Statistical Significance	Sellers (*II), T. Smith	IV To be scheduled
General pattern recognition	Waterman, Wilbur	
Evolutionary Relationships Uses of computational aids Needs for new computational aids	Brutlag (*II); Erickson	→ I Wed. (9/1) a.m.
	Fitch (*I), Husimi	II Wed. (9/8) a.m.
	Shepard; T. Smith G. Smith	III to be scheduled
Secondary Structure Algorithms DNA, RNA, Protein Existing algorithms - needed improvements experimental evidence	Burks, Dumas, Jacobson	→ I Wed. (9/1) p.m.
	Kanehisa, Maizel (*I)	II Thurs. (9/2) a.m.
	Martinez; Nussinov Rindone, T. Smith Waterman, Zinder (*II)	III Wed. (9/8) p.m.
Sequence-encoded Signals (eg. promoters, transcription start, stop, splice points, etc.) Experimental evidence Computational aids for their definition	Blattner; Maizel Maxam (*I)	I Thurs. (9/2) a.m. PICNIC
	II Thurs. (9/9) a.m.	
Database Organization and Annotation Proteins, nucleic acids Assembly of Sequence Data for whole or subs of a genome, mapping	G. Smith, T. Smith, Stormo, Weissman	
	Blattner (*), Dayhoff, Goad, Hamm(*), Stormo, Daniels	I Fri. (9/3) a.m.
Genome Organization; Intergene DNA Organization	Blattner, Gold, Britten, Puck (*), Stormo, G. Smith	II Fri. (9/3) a.m.
	I Fri. (9/3) a.m.	
Non-local Patterns In coding sequences elsewhere	Blattner, Britten, G. Smith Weissman (*I)	I Fri. (9/5) p.m.
	Fickett Fitch, Junck, Shepard (*) Nussinov	I Mon. (9/6) a.m.
Computing Environments from CRAY to microcomputers	II to be scheduled	
	Blattner (*), Brutlag, Friedland, Goad, Mount	Mon. (9/6) p.m.
Direct Computational Aids to Experiment. Restriction mapping, gel reading and sequence assembly; knowledge engineering	Brutlag, Friedland (*), G. Smith	Tues. (9/7) a.m.