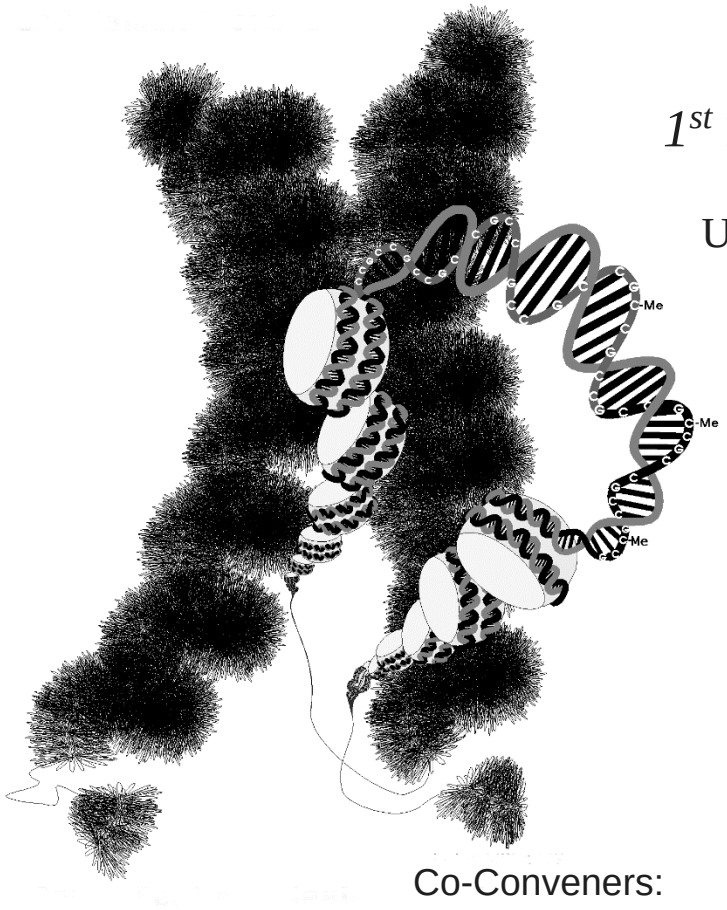

1st INTERNATIONAL CONFERENCE ON UNSTABLE MICROSATELLITES and HUMAN DISEASE

Co-Conveners:
Jack Griffith, University of North Carolina
David Nelson, Baylor College of Medicine
Robert Wells, Texas A&M University

Sponsored by:

National Institute of Environmental Health Sciences

Santa Fe, New Mexico, USA
April 1-6, 1997

1st International Conference on Unstable Triplets,Microsatellites, and Human Disease		
April 1-6, 1997 Santa Fe, New Mexico, USA		
Speaker	**Title**	**Institution**
Welcome Introduction: Jack Griffith, Robert Wells, and David Nelson		
Unstable Microsatellites: Mechanisms at the DNA Level 1, Chair: Miroslav Radman		
Miroslav Radman	*Interplay Between SOS and Mismatch Repair Systems in Genome (in) Stability and Evolution*	Institute Jacques Monod-France
Geoffrey M. Wahl	*Investigating Relationships Between Repair and p53 Mediated Responses to Diverse Types of DNA Damage*	Salk Institute for Biological Studies
Sam Wilson	*Where Errors Could Occur at the Level of Replication*	National Institute of Environmental Health Sciences
Cynthia T. McMurray	*Mechanisms of DNA Expansion in Human Disease*	Mayo Clinic and Foundation
Michael J. Siciliano	*Factors Affecting Genome Instability and the Role of Such Instability in Human Disease*	University of Texas/MD Anderson Cancer Center
Workshop: Microsatellite Instability (selected), Chair: Richard Sinden		Texas A&M University
Richard Sinden	*Transcription With RNA Polymerase II Through Triplet Repeat DNA From the Mytonic Dystrophy and Fragile X Loci*	Texas A&M University
Michael Mitas	*Strcutural Properties of Trinucleotide Repeats Associated with Human Disease*	Oaklahoma State University
Xiaolian Gao	*Genetically Unstable CSG Repeats are Structurally Dynamic and Have a High Propensity for Folding Solution Studies of the Oligonucleotides by NMR, UW and Electrophoresis*	University of Houston
Albino Bacolla (Post-Doc, Wells Lab)	*Flexibility and Writhe of CGG*CCG and CTG*CAG*	Texas A&M University
Ed Grabczyk (Post-Doc, Karen Usdin Lab)	*Tetraplex Formation is an Intrinsic Property of Some of the Most Hypervariable Sequences Known*	National Institute of Diabetes and Digestive and Kidney Diseases
Lisa Kroutil (Post-Doc, Tom Kunkel Lab)	*DNA Polymerases Produce Slippage Errors Within CAG Repeats That Are Subject to Exonucleolytic Proofreading*	National Institute of Environmental Sciences
Dmitry Gordenin/Michael Resnick	*Hypermutability of Homonucleotide Runs in Mismatch Repair and DNA Polymerase Proofreading Yeast Mutants*	National Institute of Environmental Sciences/National Institute of Health Sciences

Unstable Microsatellites: Mechanisms at the DNA Level 1, Chair: Robert Wells		
Robert D. Wells	*DNA Structure, Triplet Repeats, and Human Hereditary Diseases*	Texas A&M University
Thomas A. Kunkel	*Studies of Replication Fidelity and Mismatch Repair of Repetitive DNA Sequences*	National Institutes of Enviromental Health Sciences
Tom D. Petes	*Microsatellite Instability in Yeast*	University of North Carolina-Chapel Hill
Richard Fishel	*The Recognition of Mispaired Nucleotides, Microsatellite Sequences and DNA Lesions by the Human Mismatch Repair System*	Thomas Jefferson University
Microsatellite Chromatin, Telomeres, Fragile Sites and the Fragile X Syndrome I, Chair: Jack Griffith		
Jack Griffith	*Chromatin Structure of Expanded Triplet DNA's Derived from Myotonic Dystrophy and Fragile X Syndrome Patients*	University of North Carolina-Chapel Hill
Tom Glover	*Molecular Delineation of Common Fragile Sites*	University of Michigan
Titia deLange	*Mammalian Telomeric Proteins*	The Rockefeller University
Yuh-Hwa Wang (Post-Doc, Griffith Lab)	*Workshop: Mircrosatellite Instability*	University of North Carolina-Chapel Hill
Virginia Zakian	*Telomere Maintenance and Telomere Position Effects in Yeast*	Princeton University
Robert Richards	*Molecular Genetics of Fragile Sites*	Women's and Children's Hospital-Australia
Workshop: Microsatellite Instability (selected), Chair: Yuh-Hwa Wang		University of North Carolina-Chapel Hill
Yuh-Hwa Wang (Post-Doc, Griffith Lab)	*Nucleosomes, chromatin, myotonicdystrophy and fragile X*	University of North Carolina-Chapel Hill
Catherine Freudenreich (Post-Doc, Zakian Lab)	*A CTG/CAG Tract show an Orientation Dependent Instability and Can Act as a Fragile Site in Vivo in the Yeast Saccharomyces Cerevisiae*	Princeton University - Lewis Thomas Laboratory
Robert Lahue	*Instability of CAG and CTG Trinculeotide Repeats in S. Cerevisiae*	University of Nebraska Medical Center
Nia Spring (Graduate student, Siciliano Lab)	*Quantitation of Trincucleotide Repeat Instability in Somatic Cell Hybrids*	Anderson Cancer Center- Houston
Kristina Schmidt (Graduate student, David Leach Lab)	*In Vivo Studies of Secondary Structure Formation and Instability of Trinucleotide Repeats in E. Coli*	University of Edinburgh
Bernard Strauss	*Role of Proofreading and Mismatch Repair in Maintaining the Stability of Nucleotide Repeats*	University of Chicago
Christopher E. Pearson (Post-Doc, Sinden Lab)	*S-DNA: Genetic and Biophysical Support for Slipped DNA in Triplet Repeat Instability*	Texas A&M University

Microsatellite Chromatin, Telomeres, Fragile Sites and the Fragile X Syndrome II, Chair: David Nelson		
David L. Nelson	*The Fragile X Diseases*	Baylor College of Medicine
Ben Oostra	*Fragile X Syndrome and the Gene Involved*	Erasmus University-Netherlands
Walter Doerfler	*On the Molecular Biology of the Fragile X Syndrome*	University of Koln-Germany
Myotonic Dystrophy and Friedreich's Ataxia: Loss of Function Microsatellite Diseases and Cancer I, Chair: David Houseman		
David Housman	*Myotonic Dystrophy Kinase Gene Expression*	Massachusetts Institute of Technology
Robert Korneluk	*Myotonic Dystrophy (DM): Effect of the CTG Repeat Mutation on Expression of the DM Kinase Gene*	Children's Hospital of Eastern Ontario Research Institute-Ottawa
Be Wieringa	*The DM Locus in Mouse and Man: Genotype-Phenotype Correlations*	University of Nijmegen-Netherlands
Keith Johnson	*Is Myotonic Dystrophy a Polygenic Disorder?*	University of Glasgow-UK
Eric Hoffman	*Myotonic Dystrophy: Evidence for a Dominant-Negative RNA Mutation*	University of Pittsburgh School of Medicine
Myotonic Dystrophy and Friedreich's Ataxia: Loss of Function Microsatellite Diseases and Cancer II, Chair: Charles Cantor		
Massimo Pandolfo	*Friedreich's Ataxia*	University of Montreal
Carlo Croce	*Genetics of Human Cancer*	Thomas Jefferson University
Guillermina Lozano	*Cancer Predisposition in Li Fraumeni Syndrome*	University of Texas/MD Anderson Cancer Center
Charles Cantor	*New Approaches to Genome Analysis*	Boston University
CAG/Polyglutamine Neurodegnerative Diseases: Gain of Function? I, Chair: Harry Orr		
Jean-Louis Mandel	*Huntington's Disease and Spinocerebellar Ataxia*	INSERM-Univesity Louis-Pasteur, France
Michael Hayden	*Huntington's Disease-To Gain is to Lose*	University of British Columbia
Kenneth Fischbeck	*Kennedy's Disease*	University of Pennsylvania School of Medicine
Marcy McDonald	*Huntington's Disease*	Massachusetts General Hospital
Harry Orr	*Repeat Instability and Pathogenesis of SCA1 in Transgenic Mice*	University of Minnesota

Workshop: Disease, Chair: David Nelson		Baylor College of Medicine
8 presentations selected from submitted abstracts		
CAG/Polyglutamine Neurodegnerative Diseases: Gain of Function? II, Chair: Jeffrey Vance		
Akira Kakizuka	*Molecular and Genetic Bases of Machado-Joseph Disease (SCA3)*	Kyoto University-Japan
Christopher Ross	*Huntington's Disease and DRPLA*	Johns Hopkins University School of Medicine
Gillian Bates	*Transgenic Models of Huntington's*	UMDS-Guy's Hospital, UK
Jeffrey Vance	*Haw River Syndrome*	Duke University Medical Center