

2nd International Conference on Unstable Triplets, Microsatellites, and Human Disease			
April 17-20, 1999 University of North Carolina, Chapel Hill, USA			
Welcome, First Session: Mechanisms of Instability, Chair: S. Wilson			
Robert D. Wells	<i>Mechanisms of Triplet Repeat Instabilities</i>	Texas A & M University	
Gillian Bates	<i>Analysis of Transgenic Models of Huntington's Disease</i>	UMDS-Guy's Hospital-UK	
Virginia Zakian	<i>Consequences of DNA breakage on chromosome behaviour in Saccharomyces</i>	Princeton University	
Workshop Presentations (selected)			
Bala Balakumaran (Post-doc, Zakian Lab)	<i>CCG/GGC repeats are unstable and fragile in Saccharomyces cerevisiae</i>	Princeton	
Sanjay Bidichandani (Pst-doc, Patel Lab)	<i>Somatic variation at the Friedreich ataxia locus</i>	Baylor College of Medicine	
Richard Bowater (Post-doc, Wells Lab)	<i>Mismatch repair increases the rate of large deletions from triplet repeat sequences on plasmids in Escherichia coli</i>	University of East Anglia	
Brad Coffee (Post-doc, Warren Lab)	<i>Acetylate histones are associated with the FMR1 gene in normal but not Fragile X Syndrome cells</i>	Emory University	
Rosann Farber	<i>Effect of length of the repeat unit on instability of microsatellites in cultured mammalian cells</i>	University of North Carolina-Chapel Hill	
Catherine Freudenreich (Post-doc, Zakian Lab)	<i>Mutations in DNA replication proteins can influence trinucleotide repeat instability: a genetic assay for CTG tract expansion</i>	Princeton University, Lewis Thomas Laboratory	
Dmitry Gordenin	<i>Severe negative interactions of a phenotypically neutral Rad27/Fen1 PCNA-binding defect with DNA repair and replication mutations</i>	National Institute of Environmental Health Sciences	
Fiona Gould (Monckton Lab)	<i>Germline and somatic instability of CTG/CAG expansions at the CTG18.1 and ERDA1 loci</i>	University of Glasgow	
Genvieve Gourdon	<i>Transgenic mice carrying the human DM region: a model for CTG repeat intergenerational and somatic instability</i>	Hospital Necker-Enfants Malades- France	
Michael Heldebrant (McMurray Lab)	<i>Single cell time lapse imaging of Huntington's Disease in primary neurons</i>	Mayo Clinic and Foundation	
Kinya Ishikawa	<i>Expression analysis of alpha1A-voltage-dependent calcium channel in spinocerebellar ataxia (SCA6)</i>	Toyko Medical and Dental University	

Bob Lahue	<i>Expansions of CTG, CCG, GTC and GAC repeats in S. cerevisiae</i>	University of Nebraska Medical Center	
Second Session: Repeat Instability & Disease, Chair: S. Wilson			
David Nelson	<i>Repeat Instability and disease: Lessons from Fragile X Syndrome</i>	Baylor College of Medicine	
Thomas Petes	<i>yeast: an assay for secondary structure formation for trinucleotide repeats</i>	University of North Carolina-Chapel Hill	
Stylianios E. Antonarakis	<i>Dodecamer repeat expansion in the Cystatin B gene in progressive myoclonus epilepsy type 1</i>	University of Geneva Medical School	
Third Session: Genotype-Phenotype, Chair: C. Hutchison III			
Keith Johnson	<i>Genotype to phenotype in DN: The eyes have it!</i>	University of Glasgow	
Michael Resnick	<i>Novel genetic factors in yeast affecting stability of At-Risk Motifs (ARMS) formed by DNA repeats common to the human genome</i>	National Institute of Health Sciences	
Massimo Pandolfo	<i>expansions to mitochondrial dysfunction, cardiomyopathy and neurodegeneration</i>	University of Montreal	
Steven Tapscott	<i>CTG expansion in myotonic dystrophy alters adjacent chromatin structure and gene expression</i>	Fred Hutchinson Cancer Center	
Workshop Presentations			
Susan Michalowski (Post-doc, Griffith Lab)	<i>Visualization of double stranded RNAs from the Myotonic Dystrophy Protein Kinase gene and their interaction with human Nab 50 protein</i>	University of North Carolina-Chapel Hill	
Sergei Mirkin	<i>Replication of simple DNA repeats</i>	University of Illinois of Chicago	
Keiichi Ohshima (Post-doc, Wells Lab)	<i>GAAGGA*TCCTTC hexanucleotide repeats is a non-pathogenic allele for Friedreich ataxia</i>	Centre de Recherche de CHUM-Montreal	
Andrea Peier (doctoral student, Nelson Lab)	<i>CGG trinucleotide repeat instability at the FMR1 locus in yeast</i>	Baylor College of Medicine	
Hermachandra Reddy	<i>Characterization of transgenic mouse model for Huntington's Disease</i>	National Human Genome Research Institute	
Robert Richards	<i>Comparative molecular anatomy of chromosomal fragile sites</i>	Women's & Children's Hospital-Australia	
Naoki Sakamoto (graduate student, Wells Lab)	<i>Sticky DNA: self-association properties of long GAA*TTC repeats in R*R*Y triplex structures from Friedreich's Ataxia</i>	Texas A & M University	
Peggy Shelbourne	<i>Investigation of an expanded CAG trinucleotide repeat in the mouse Huntington Disease (Hdh) gene</i>	University of Glasgow	
Miho Shimizu (Post-doc, Wells Lab)	<i>DMPK as a molecular integrator: convergent of interactions with multiple signaling molecules. Molecular interaction of Myotonic Dystrophy Protein Kinase: the structure and function of DMPK</i>	National Institute for Basis Biology- Japan	

Ronald Speigel	<i>Screening for novel CAG repeat expansion mutations in patients with movement disorders</i>	Massachusetts General Hospital	
Leslie Thompson	<i>A general drosophila model of Polyglutamine repeat pathogenesis</i>	University of California, Irvine	
Charles Thornton	<i>(DM) gene: interaction with proteins that mediate the double-stranded (ds) RNA response</i>	University of Rochester	
Fourth Session: Cis- and Trans-factors, Chair: B. Wieringa			
Stephen Warren	<i>SNP-Based Haplotypes of FMR1 suggest that ancestral state of CGG repeat tracts influence repeat structure and predisposition to Fragile X Syndrome</i>	HHMI/Emory University	
Thomas Kunkel	<i>Studies of Misalignment-Mediated DNA Synthesis Errors</i>	National Institute of Environmental Health Sciences	
Laura Ranum	<i>An untranslated CTG expansion causes a novel form of spinocerebellar ataxia (SCA8)</i>	University of Minnesota	
Fifth Session: Disease & Cancer Pathogenesis, Chair: S. Earp			
Philip Kantoff	<i>Androgen Receptor CAG Repeat Sequence and its Role in Health and Disease</i>	Dana Farber Cancer Center	
Harry Orr	<i>Pathogenesis of Spinocerebellar Ataxia Type 1- Part I</i>	University of Minnesota	
Huda Zoghbi	<i>Pathogenesis of Spinocerebellar Ataxia Type 1-Part II</i>	Baylor College of Medicine/HHMI	
Jack Griffith	<i>T-Loops, or How Our Chromosomes End</i>	University of North Carolina-Chapel Hill	
Sixth Session: Disease & DNA Structure, Chair: T. Meyer			
Kenneth Fischbeck	<i>Polyglutamine expansions in Kennedy's Disease</i>	University of Pennsylvania School of Medicine	
Richard R. Sinden	<i>Slipped Strand DNA Structures formed in (CTG)_n (CAG)_n and (CGG)_n (CGG)_n Triplet Repeats</i>	Texas A & M University	
Paul Modrich	<i>Mismatch and large heterology repair in human cells</i>	HHMI/Duke University Medical School	
Robert Korneluk	<i>The Myotonic Dystrophy CTG Repeat and Mechanism of Disease</i>	University of Ottawa/Children's Hospital of Eastern Ontario	
Seventh Session: Context, timing and Proteins, Chair: W. Marzluff			
Michael Hayden	<i>Cleavage of Huntington is Essential for Toxicity in Vitro and in Vivo</i>	University of British Columbia	
Albert LaSpada	<i>The role of genomic context in trinucleotide repeat instability</i>	University of Washington	

Ben Oostra	<i>FMR1: timing of instability and role of the FMR1 protein</i>	Erasmus University-Netherlands	
Maury Swanson	<i>Triplet Repeat RNA-Binding Proteins in mRNA Biogenesis and Myotonic Dystrophy</i>	University of Florida College of Medicine	