

## Saturday February 21

6:00-7:00 pm	Welcome	UTMB Provost Garland Anderson & J. Regino Perez-Polo, Chair BMB	
7:00-8:15 pm	Reception	Garden Caye	
8:30-10:00 pm	Session 1	S. Wilson	
8:30-8:55	L-1	Tainer	Alkylated base flipping bridges distinct DNA base and nucleotide excision repair pathways
8:55 -9:20	L-2	West	Identification of the human Holliday junction resolvase
9:20- 9:45	L-3	Lindahl	Activities of the mammalian DNA processing enzymes FTO and TREX1
9:45- 10:00		Bohr	Poster Arrangement
Poster boards will be set up Sunday am			

## Sunday February 22

7:00 -8:00 am	Breakfast		
8:20-11:40 am	Session 2A	Bohr	
8:20-8:40	L-4	Krokan	Uracil in DNA and its processing
8:40-9:00	L-5	Stivers	Enzymatic Detection of Uracil in DNA
9:00-9:20	L-6	Slupphaug	Regulation of genomic uracil processing in mammalian cells
9:20-9:30	P-17	Nilsen	<i>Loss of Caenorhabditis elegans UNG-1 Uracil-DNA glycosylase affects apoptosis in response to DNA damaging agents</i>
9:30-9:40	DISCUSSION		
9:40-10:00	L-7	S. Wilson	Transactions surrounding mammalian base excision repair
10:00-10:20	L-8	Dianov	Traffic control of base excision repair proteins in response to DNA damage
10:20-10:40	L-9	Yasui	Mismatch repair proteins at DNA single- and double-strand breaks and UV-lesions
10:40-11:10	DISCUSSION & Break		
11:40-12:20 pm	Session 2B	Wood	
11:10-11:30	L-10	Dizdaroglu	The role of NEIL1 protein in DNA repair
11:30-11:50	L-11	Cadet	Oxidatively generated damage to cellular DNA: base and sugar modifications
11:50-12:10	L12	Lavrik	Coordination of base excision repair studied by chemically reactive DNA probes and functional assay
12:10-12:20	P-7	Brooks	<i>Cockayne syndrome (CS) A and CSB cells are defective in host-cell reactivation of plasmids containing an 8,5'(S)-cyclodeoxyadenosine lesion but not an 8-oxo-dG lesion</i>
12:20-1:40	LUNCH		
1:40 - 3:30 pm	Session 2C	Lindahl	
1:40-2:00	L13	Doetsch	Oxidative stress, DNA damage and the regulation of base excision repair in <i>Saccharomyces cerevisiae</i>
2:00-2:20	L-14	Li	Repair of trinucleotide repeat hairpins in human cells
2:20-2:40	L-15	Bignami	Role of MUTYH and MSH2 in the control of oxidative DNA damage, genetic stability and tumorigenesis
2:40-3:00	BREAK		
3:00-3:20	L-16	McMurray	Crosstalk between OGG1 and MSH2/MSH3 in causing CAG expansion

3:20-3:30	P-20	Liu	Coordination between DNA Polymerase $\beta$ and Flap Endonuclease 1 Modulates CAG Repeat Expansion During Long-Patch Base Excision Repair
3:30-3:50	L-17	Vasquez	Mutagenesis by non-B DNA structures in mammalian genomes
3:50-4:10	DISCUSSION		
4:10 - 5:10 pm	Session 2D	Van Houten	
4:10-4:30	L-18	Kaina	Base excision repair in human immunocompetent cells: regulation by cytokines and impact on cell survival
4:30-4:50	L-19	Klungland	AlkB homologs 1-8; Unique roles in demethylating DNA, RNA and histones.
4:50-5:10	L-20	Roy	Repair Mechanisms of Mutagenic and Cytotoxic Small DNA Adducts
5:30-9:00	Poster Session I		
6:00-8:00 pm	Dinner		

### Monday February 23

7:00 -8:00 am	Breakfast		
8:20-11:00 am	Session 3A	Stivers	
8:20-8:40	L-21	Kunkel	Scrunching During DNA Repair Synthesis
8:40-9:00	L-22	Copeland	DNA polymerase gamma in mitochondrial DNA replication and repair
9:00-9:20	L-23	Caldecott	DNA Single-Strand Break Repair and Human Ataxia
9:20-9:40	L-24	Van Houten	Altered Gene Expression and DNA Damage in Peripheral Blood Cells from Friedreich Ataxia Patients
9:40-10:00	BREAK		
10:00-10:20	L-25	Stevnsner	Differential age-related changes in mitochondrial DNA repair activities in mouse brain regions
10:20-10:40	L-26	Karran	Oxidative damage to DNA and proteins from therapeutic drugs
10:40-11:00	DISCUSSION		
11:00-12:20 pm	Session 3B	Kroken	<b>Ellison Medical Foundation Symposium</b>
11:00-11:20	L-27	Loeb	Human Cancer exhibit a Mutator Phenotype: Origin and Consequences
11:20-11:40	L-28	Bohr	Premature Aging Pproteins Function in BER
11:40-12:00	L29	Opresko	Werner Syndrome protein processing of recombination repair intermediates at telomeric vs. non-telomeric regions
12:00-12:10	P-19	Liu	Deficiency of 8-oxoguanine DNA glycosylase results in telomere base damage and length alteration <i>in vivo</i>
12:10-12:20	DISCUSSION		
12:20-1:40 pm	Lunch		
1:40 - 3:20 pm	Session 3C	Doetsch	
1:40-2:00	L-30	Egly	The dynamic of the DNA repair/transcription factor TFIID
2:00-2:20	L-31	Dogliotti	The role of Cockayne Syndrome proteins in the repair of endogenous DNA damage
2:20-2:40	L-32	Hazra	Characterization of NEIL2-repairsome and its role in processing oxidized bases
2:40-3:00	L-33	Cooper	Pathway Crosstalk: Multiple Roles of XPG in Repair of Oxidative DNA Damage
3:00-3:20	L-34	Foster	Transcription-interference mediated DNA repair and chromatin dynamics in mammalian cells
3:20-3:30	DISCUSSION		

3:30-4:00	BREAK		
4:00-5:40 pm	Session 3D	Loeb	
4:00-4:20	L-35	Wallace	Processing of Oxidative DNA Damage
4:20-4:40	L-36	Narayan	Role of APC in DNA repair and carcinogenesis
4:40-5:00	L-37	Tomkinson	The increasingly complex role of the DNA ligase III/XRCC1 in DNA repair
5:00-5:20	DISCUSSION		
6:00-7:30 pm	Dinner		
7:30-10:00 pm	Poster Session II		

## Tuesday February 24

7:00 -8:00 am	Breakfast		
8:20-10:00 am	Session 4A	Wallace	
8:20-8:40	L-38	Demple	Avoiding Radical Entanglements: DNA Repair of Oxidized Abasic Sites
8:40-8:50	<i>P-30</i>	<i>Szczesny</i>	Characterization of mitochondrial long patch base excision repair and analysis of mitochondrial genome repair pathways during mouse aging. High susceptibility of skeletal muscle to oxidative injuries.
8:50-9:10	L-39	D. Wilson	Unique nucleic acid substrates and role in anti-cancer agent resistance for APE1
9:10-9:20	<i>P-26</i>	<i>Ramotar</i>	GAPDH safeguard the genome by acting on APE1
9:20-9:40	L-40	Tell	The many functions of APE1/Ref-1: not only a DNA-repair enzyme
9:40-9:50	<i>P-33</i>	<i>Bhakat</i>	<i>Regulatory Role of Human AP-Endonuclease (APE1/Ref-1) in YB-1-Mediated Activation of the Multi Drug Resistance Gene MDR1</i>
9:50-10:20	BREAK		
10:20-11:40 pm	Session 4B	Dogliotti	
10:20-10:40	L-41	Fortini	How do terminally differentiated cells deal with persistent DNA damage?
10:40-11:00	L-42	Bjoras	Properties of Neil3 in renewal and differentiation of stem/progenitor cells
11:00-11:20	L-43	Vermeulen	DNA repair and transcription in living tissue
11:20-11:40	DISCUSSION		
12:00-2:00 pm	Lunch		
2:00-7:00	FREE Time		
7:00-10:00 pm	Grand Banquet		

## Wednesday February 25

7:00 -8:15am	Breakfast		
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