

## 2006 – 2007 STARS TOUR TOPICS

### \_\_\_ Anesthesiology

- \_\_\_ Anesthesiology Simulation-**Lab**
- \_\_\_ Anesthesiology As A Career-**Lec**
- \_\_\_ Pain Management **Lec**

### \_\_\_ Biochemistry

- \_\_\_ Crystallography-**Lab**
- \_\_\_ Drug Design and Development-**Lec**
- \_\_\_ Chemistry/Hematology **Lab**
- \_\_\_ Chemistry-**Lab**
- \_\_\_ Protein Engineering-**Lec/Lab**
- \_\_\_ Organic Chemistry-**Lec**
- \_\_\_ NMR Spectroscopy-**Lab**
- \_\_\_ Nuclear Transport-**Lab**

### \_\_\_ Bioethics

- \_\_\_ Use of animals in research-**Lec**

### \_\_\_ Allied Health Careers

- \_\_\_ Biomedical Communications-**Lec**
- \_\_\_ Emergency Medical Education-**Lec**
- \_\_\_ Medical laboratory sciences-**Lab**
- \_\_\_ Nursing-**Lec**
- \_\_\_ Nutrition science-**Lec/Lab**
- \_\_\_ Physical therapy-**Lab/Lec**
- \_\_\_ Physician assistant-**Lec**
- \_\_\_ Prosthetics/Orthotics-**Lab/Lec**
- \_\_\_ Child Life Specialist-**Lec**
- \_\_\_ Respiratory Therapy-**Lec**
- \_\_\_ Paramedic-**Lec**

### \_\_\_ Biomedical Technology & Research

- \_\_\_ Gel electrophoresis-**Lab**
- \_\_\_ Gene therapy-**Lab/Lec**
- \_\_\_ Graduate research & education-**Lec**
- \_\_\_ PCR (polymerase chain reaction)-**Lab**
- \_\_\_ Transgenic animals-**Lab**
- \_\_\_ Instrumentation genetics-**Lec/Lab**
- \_\_\_ DNA Micro Array-**Lab/Lec**
- \_\_\_ DNA Sequencing-**Lab**
- \_\_\_ Biomedical Inventions-**Lab**
- \_\_\_ Bioinformatics-**Lab**

### \_\_\_ Cardiovascular System

- \_\_\_ Echocardiograms-**Lab**
- \_\_\_ Exercise physiology-**Lab**
- \_\_\_ Cardiology Lab-**Lab**
- \_\_\_ Heart and heart rhythms-**Lec**
- \_\_\_ Hypertension-**Lab**
- \_\_\_ Cardiac rehabilitation-**Lab**
- \_\_\_ Heart transplantation-**Lec**
- \_\_\_ Risk factors for cardiovascular disease-**Lec**
- \_\_\_ Stem Cell Biology-**Lab**
- \_\_\_ Artificial Heart-**Lec**
- \_\_\_ Muscle Regeneration & Repair-**Lab**
- \_\_\_ Heart Disease-**Lec**

### \_\_\_ Cancer/Oncology

- \_\_\_ Leukemia-**Lec**
- \_\_\_ Skin Cancer-**Lec**
- \_\_\_ Anti-Angiogenesis Cancer Therapy-**Lab**
- \_\_\_ Wilms Tumor Research-**Lab**
- \_\_\_ Early Diagnosis of Cancer-**Lec**
- \_\_\_ Childhood Cancers-**Lec**
- \_\_\_ Cancer Genetics-**Lec**

### \_\_\_ Cell Biology

- \_\_\_ Cytology-**Lab**
- \_\_\_ Histology-**Lab**
- \_\_\_ Cytokine production in burn & trauma-**Lab**
- \_\_\_ G-proteins-**Lab**
- \_\_\_ Telomeres and Telomerase-**Lab/Lec**
- \_\_\_ Protein Misfolding-**Lab**

### \_\_\_ Endocrinology-**Lab**

### \_\_\_ Genetics

- \_\_\_ Using FISH to diagnose genetic diseases-**Lec**
- \_\_\_ Gene Regulation – **Lab**
- \_\_\_ Stem Cell Research-**Lab/Lec**
- \_\_\_ Genetic Counseling-**Lec**
- \_\_\_ Fruit Flies-**Lec**
- \_\_\_ Behavior Genetics-**Lec**
- \_\_\_ Human Molecular Genetics-**Lec/Lab**
- \_\_\_ Genetics of Cholesterol Metabolism-**Lab**
- \_\_\_ Genetics & Obesity-**Lab**
- \_\_\_ Biochemical Genetics-**Lab**
- \_\_\_ Feeding Behaviors of Nematoids-**Lab**
- \_\_\_ From Inheritance to Gene Therapy-**Lec**
- \_\_\_ Genetically Related Diseases-**Lec**

### \_\_\_ Health

- \_\_\_ Effects of illicit drug use-**Lec**
- \_\_\_ Teens Common Drug of Choice-**Lec**
- \_\_\_ Preventative cardiovascular health & risk factors-**Lec**
- \_\_\_ Cardiac rehabilitation-**Lab**
- \_\_\_ Obesity & insulin resistance-**Lec**
- \_\_\_ Sports Nutrition-**Lec**
- \_\_\_ Allergy-**Lec**
- \_\_\_ Nutrition & Exercise-**Lec**
- \_\_\_ Sleep-**Lec**

### \_\_\_ Hospital Tours

- \_\_\_ Parkland Memorial Hospital
- \_\_\_ Children's Medical Center

### \_\_\_ Immunology

- \_\_\_ General immunology-**Lec**
- \_\_\_ HIV Research-**Lec**
- \_\_\_ Immunology in Ophthalmology-**Lab**
- \_\_\_ Rheumatoid Arthritis-**Lec**
- \_\_\_ Infection Control-**Lec**
- \_\_\_ DNA Technology-**Lab**
- \_\_\_ Flow Cytometry-**Lab**

### \_\_\_ Medicine

- \_\_\_ Lasers in medicine-**Lec**
- \_\_\_ Medical students-**Lec**
- \_\_\_ Bones & osteoporosis-**Lec**
- \_\_\_ Physical Medicine & Rehabilitation-**Lab**
- \_\_\_ Musculoskeletal Rehabilitation-**Lec**
- \_\_\_ Diabetes-**Lec**
- \_\_\_ Pulmonary Diseases-**Lec**
- \_\_\_ Anorexia & Bulimia-**Lec**
- \_\_\_ Lupus-**Lec**
- \_\_\_ Cystic Fibrosis-**Lec**
- \_\_\_ CPR-**Lec**
- \_\_\_ Sexually Transmitted Diseases-**Lec**
- \_\_\_ AIDS-**Lec**
- \_\_\_ Osteoporosis-**Lab**
- \_\_\_ Digestive & Liver Disease-**Lec**
- \_\_\_ Sickle Cell Anemia-**Lec**
- \_\_\_ Autism-**Lec**

### \_\_\_ Microbiology

- \_\_\_ Hepatitis A,B,C-**Lec**
- \_\_\_ Flow Cytometry-**Lab**
- \_\_\_ Tropical Medicine Research-**Lec**
- \_\_\_ Micro-Organisms As Biological Weapons-**Lec**
- \_\_\_ Vaccine for Hepatitis-**Lec**
- \_\_\_ Hamburger E. Coli-**Lab**

### \_\_\_ Microscopy

- \_\_\_ Electron microscopy-**Lab**
- \_\_\_ Histology-**Lab**
- \_\_\_ Microscopy-**Lab**

**Lab – Lab Visit**

**Lec - Lecture**

## 2005 - 2006 STARS TOUR TOPICS

- \_\_\_ **Molecular Biology**
  - \_\_\_ Transgenic lab-**Lab**
  - \_\_\_ Using FISH to diagnose genetic diseases-**Lec**
  - \_\_\_ DNA micro arrays-**Lab**
  - \_\_\_ G-proteins-**Lab**
  - \_\_\_ Organ Development in Animals-**Lab**
  - \_\_\_ Nervous System Development-**Lab**
  - \_\_\_ Skeletal Adaptations to Unique Environments-**Lec**
- \_\_\_ **Neurology**
  - \_\_\_ Neuroimaging-**Lec**
  - \_\_\_ Neuroanatomy-**Lec**
  - \_\_\_ General Neurology-**Lec**
  - \_\_\_ Pediatric Neurology-**Lec**
  - \_\_\_ Parkinson's Disease & tremor-**Lec**
  - \_\_\_ Alzheimer's Disease-**Lec/Lab**
  - \_\_\_ Multiple Sclerosis -**Lec**
  - \_\_\_ Neurology strokes; headaches, migraines-**Lec**
  - \_\_\_ Brain Research-**Lab**
  - \_\_\_ Neuromuscular Diseases-**Lec**
  - \_\_\_ Huntington Disease-**Lec**
  - \_\_\_ Neocortical Circuitry-**Lab**
  - \_\_\_ Neuro-rehabilitation-**Lec**
  - \_\_\_ Epilepsy Unit-**Lab**
  - \_\_\_ Nervous System Proteins-**Lab**
  - \_\_\_ Autoimmune Disease-**Lab**
  - \_\_\_ Lou Gehrig's Disease-**Lab**
  - \_\_\_ Epilepsy Unit-**Lab**
- \_\_\_ **Obstetrics & Gynecology**
  - \_\_\_ Premature Births-**Lab/Lec**
  - \_\_\_ Fetal Echocardiograms-**Lab**
  - \_\_\_ Labor & Delivery-**Lab**
  - \_\_\_ Maternal Fetal Medicine-**Lec**
- \_\_\_ **Orthopedics**
  - \_\_\_ Sports related Knee Injuries-**Lec**
- \_\_\_ **Pathology**
  - \_\_\_ Forensic pathology-**Lec**
  - \_\_\_ Cytology-**Lab**
  - \_\_\_ Chemistry/Hematology **Lab**
  - \_\_\_ Medical Technology Lab-**Lab**
  - \_\_\_ DNA Fingerprinting-**Lec**
  - \_\_\_ Atherosclerosis-**Lab**
  - \_\_\_ Resistance to Antibiotics-**Lec**
  - \_\_\_ Cytogenesis-**Lec**
  - \_\_\_ Infomatics-**Lab**
- \_\_\_ **Pediatrics**
  - \_\_\_ General pediatrics-**Lec**
  - \_\_\_ Pediatric Emergency Medicine-**Lec**
  - \_\_\_ Pediatric Cardiology-**Lec**
  - \_\_\_ Pediatric Cancers-**Lab/Lec**
  - \_\_\_ Pediatric ICU-**Lab**
  - \_\_\_ Pediatric Urology-**Lab**
  - \_\_\_ Pediatric Neurology-**Lec**
  - \_\_\_ Pediatrics As A Career-**Lec**
- \_\_\_ **Pharmacology/Toxicology**
  - \_\_\_ Effects of illicit drug use-**Lec**
  - \_\_\_ Making Proteins In Cell Signaling-**Lab**
  - \_\_\_ Forensic sciences-**Lec**
  - \_\_\_ How the Senses Work-**Lec**
  - \_\_\_ Insulin & Diabetes-**Lec**
  - \_\_\_ G-Proteins-**Lab/Lec**
  - \_\_\_ Toxicology-**Lec**
- \_\_\_ **Physics**
  - \_\_\_ Biophysics-**Lec**
  - \_\_\_ Crystallography-**Lab**
  - \_\_\_ Lasers in medicine-**Lec**
  - \_\_\_ Magnetic resonance imaging-**Lab**
- \_\_\_ **Psychiatry**
  - \_\_\_ Neurodegenerative Disease-elderly-**Lec**
  - \_\_\_ Clinical Psychology-**Lec**
  - \_\_\_ Depression-**Lec**
  - \_\_\_ Careers in Mental Health-**Lec**
  - \_\_\_ Antidepressant Drug Action-**Lec**
  - \_\_\_ Psychopharmacology-**Lec**
- \_\_\_ **Radiology**
  - \_\_\_ General radiology-**Lec**
  - \_\_\_ Neuroimaging-**Lec**
  - \_\_\_ MRI center-**Lab**
  - \_\_\_ Cardiac Imaging-**Lec**
  - \_\_\_ Radiology Imaging-**Lec**
  - \_\_\_ CAT Scan-**Lab**
  - \_\_\_ Radiation Safety-**Lec**
- \_\_\_ **Statistical Design in Research-Lec**
  - \_\_\_ BioInformatics/Data Analysis
- \_\_\_ **Surgery**
  - \_\_\_ Orthopedic surgery-**Lec**
  - \_\_\_ Laparoscopic surgical training-**Lab**
  - \_\_\_ Heart transplantation-**Lec**
  - \_\_\_ Urologic surgery-**Lab**
  - \_\_\_ Heart Transplant Patient Testimony-**Lec**
  - \_\_\_ Oral & Maxillofacial Surgery-**Lec**
  - \_\_\_ Bone Marrow Transplants-**Lec**
- \_\_\_ **Trauma**
  - \_\_\_ Hemorrhagic shock-**Lec**
  - \_\_\_ Physical therapy with burn patients-**Lab**
  - \_\_\_ Traumatic Brain Injury-**Lec**
  - \_\_\_ Cytokine production in burn & trauma-**Lab**
- \_\_\_ **Urogenital System**
  - \_\_\_ Hemodialysis-**Lab**
  - \_\_\_ Pediatric Urology-**Lab**
  - \_\_\_ Endocrinology-**Lab**
  - \_\_\_ Steroids-**Lec**
  - \_\_\_ Kidney Transplants-**Lec**
  - \_\_\_ Lipid Metabolism-**Lab**
  - \_\_\_ Urinary Tract-**Lab**