

2008 – 2009 STARS TOUR TOPICS

___ **Anesthesiology**

- ___ Anesthesiology Simulation-**Lab**
- ___ Anesthesiology and Pain Management –**Lec**
- ___ Anesthesiology As A Career-**Lec**

___ **Animal Resources**

- ___ How to Become a Veterinarian-**Lec**
- ___ Use of Animals in Research-**Lec**

___ **Biochemistry**

- ___ Crystallography-**Lab**
- ___ Drug Design and Development-**Lec**
- ___ Chemistry/Hematology **Lab**
- ___ Chemistry-**Lab**
- ___ Protein Engineering-**Lec/Lab**
- ___ Organic Chemistry-**Lab/Lec**
- ___ NMR Spectroscopy-**Lab**
- ___ Nuclear Transport-**Lab**
- ___ Study of Gene Regulation-**Lab**
- ___ Study on Transgenic Animals-**Lab**

___ **Health Professions**

- ___ 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**
- ___ DNA Micro Array-**Lab/Lec**
- ___ DNA Sequencing-**Lab**
- ___ Biomedical Inventions-**Lab**
- ___ Bioinformatics-**Lab**

___ **Cardiovascular System**

- ___ Echocardiograms-**Lab**
- ___ Cardiology Lab-**Lab**
- ___ Cardiac Rehabilitation-**Lab**
- ___ Heart Transplant-**Lec**
- ___ Heart Transplant Patient Testimony-**Lec**
- ___ Stem Cell Biology-**Lab**
- ___ Artificial Heart-**Lec**
- ___ Muscle Regeneration & Repair-**Lab**
- ___ Heart Disease-**Lec**
- ___ Preventative Cardiovascular Health & Risk factors-**Lec**

___ **Cancer/Oncology**

- ___ Leukemia-**Lec**
- ___ Skin Cancer-**Lec**
- ___ Anti-Angiogenesis Cancer Therapy-**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**

___ **Environmental Health & Safety**

- ___ Radiation in Research-**Lec**
- ___ Radiation Safety, Radioactive Materials-**Lec**
- ___ Lab Safety, Chemical Waste-**Lec**
- ___ Fire and Life Safety-**Lec**

___ **Genetics**

- ___ 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**
- ___ From Inheritance to Gene Therapy-**Lec**
- ___ Genetically Related Diseases-**Lec**

___ **Health**

- ___ Alcohol in Adolescence-**Lec**
- ___ Teens Common Drug of Choice-**Lec**
- ___ Sports Nutrition-**Lec**
- ___ Allergy-**Lec**
- ___ Nutrition & Exercise-**Lec**
- ___ Sleep-**Lec**

___ **Hospital Tours**

- ___ Parkland Memorial Hospital
- ___ Children's Medical Center

___ **Internal Medicine**

- ___ Hypertension Lab/Lec
- ___ Osteoporosis, Metabolic Bone Disease
- ___ Steroids
- ___ Exercise physiology-**Lab**

___ **Immunology**

- ___ General immunology-**Lec**
- ___ Immunology in Ophthalmology-**Lab**
- ___ Rheumatoid Arthritis-**Lec**
- ___ Infection Control-**Lec**
- ___ DNA Technology-**Lab**
- ___ Flow Cytometry-**Lab**
- ___ T cells-**Lab/Lec**

___ **Medicine**

- ___ Lasers in medicine-**Lec**
- ___ Medical students-**Lec**
- ___ Medical Careers-**Lec**
- ___ Bones & Osteoporosis-**Lec**
- ___ Physical Medicine & Rehabilitation-**Lab**
- ___ Musculoskeletal Rehabilitation-**Lec**
- ___ Hypertension/Diabetes-**Lec/Lab**
- ___ Obesity-**Lec**
- ___ Pulmonary Diseases-**Lec**
- ___ Anorexia & Bulimia-**Lec**
- ___ Lupus-**Lec**
- ___ Cystic Fibrosis-**Lec**
- ___ CPR-**Lec**
- ___ Sexually Transmitted Diseases-**Lec**
- ___ HIV/AIDS Research-**Lab/Lec**
- ___ Osteoporosis-**Lab**
- ___ Digestive & Liver Disease-**Lec**
- ___ Lung Transplant-**Lec**
- ___ Sickle Cell Anemia-**Lec**
- ___ Autism-**Lec**

Lab – Lab Visit

Lec - Lecture

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- ___ **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
- ___ **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
 - ___ 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/NICU-Lab/Lec
 - ___ Fetal Echocardiograms-Lab
 - ___ Labor & Delivery-Lab
 - ___ Maternal Fetal Medicine-Lec
- ___ **Orthopedics**
 - ___ Sports related Knee Injuries-Lec
- ___ **Otolaryngology**
 - ___ Head and Neck Surgery Lab/Lec
- ___ **Pathology**
 - ___ Anatomy Lab/Willed Body-Lab
 - ___ Forensic pathology-Lec
 - ___ Cytology-Lab
 - ___ Chemistry/Hematology Lab
 - ___ Medical Technology -Lab
 - ___ DNA Fingerprinting-Lec
 - ___ Atherosclerosis-Lab
 - ___ 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
 - ___ Toxicology-Lec
 - ___ Cellular communications signaling, G-proteins-Lec
 - ___ Resistance to Antibiotics-Lec
- ___ **Physics**
 - ___ Biophysics-Lec
 - ___ Crystallography-Lab
 - ___ Magnetic Resonance Imaging-Lab
 - ___ Lasers In Medicine-Lec
- ___ **Psychiatry**
 - ___ Neurodegenerative Disease-elderly-Lec
 - ___ Clinical Psychology-Lec
 - ___ Depression-Lec
 - ___ Careers in Mental Health-Lec
 - ___ Antidepressant Drug Action-Lec
 - ___ Psychopharmacology-Lec
 - ___ Psychiatry & Medicine Lec
- ___ **Radiology**
 - ___ Cyberknife
 - ___ General radiology-Lec
 - ___ Neuroimaging-Lec
 - ___ MRI center-Lab
 - ___ Cardiac Imaging-Lec
 - ___ Radiology Imaging-Lec/Lab
 - ___ CAT Scan-Lab
 - ___ PET-Lab
- ___ **Surgery**
 - ___ Orthopedic surgery-Lec
 - ___ Laparoscopic surgical training-Lab
 - ___ Urologic surgery-Lab
 - ___ Oral & Maxillofacial Surgery-Lec
 - ___ Bone Marrow Transplants-Lec
 - ___ Plastic Surgery/Lec
 - ___ Trauma Surgery/Lec
 - ___ Injury Prevention/Lec
 - ___ Suture Lab
- ___ **Trauma**
 - ___ Hemorrhagic shock-Lec
 - ___ Traumatic Burns-Lec/Lab
 - ___ Traumatic Brain Injury-Lec
 - ___ Cytokine production in Burn & Trauma-Lab
 - ___ ER -Lab/Lec
 - ___ ROC (Resuscitation Outcomes Consortium)-Lec
- ___ **Urogenital System**
 - ___ Hemodialysis-Lab
 - ___ Pediatric Urology-Lab
 - ___ Endocrinology-Lab
 - ___ Steroids-Lec
 - ___ Kidney Transplants-Lec
 - ___ Urinary Tract-Lab

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Lec - Lecture