



NIH Medical Research Scholars Program (MRSP)

Year-End Scientific
Presentations and
Posters

May 11-12 2015

9 A.M.-3:30 P.M.
FAES Classrooms,
NIH Clinical Center



8 Sessions . 42 Scholars . 2 Days

About MRSP:

The National Institutes of Health (NIH) Medical Research Scholars Program (MRSP) is a comprehensive, year-long research enrichment program designed to attract the most creative, research-oriented medical, dental, and veterinary students to the intramural campus of the NIH in Bethesda, Maryland.

Acknowledgment Statement:

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SESSION 1: 9 A.M.–9:55 A.M.

ONCOLOGY

FAES CLASSROOM #3

MODERATOR: MICHAEL FELDMAN

9:00 a.m.- Harrison Cash, NIDCD

Case Western Reserve University School of Medicine
Topic: *mTOR and MEK1/2 Inhibition Modulate Tumorigenesis and the Immune Microenvironment in a Syngeneic Model of Oral Cavity Cancer*

9:20 a.m.- Molly Hague, NIDCR

University of California at San Francisco School of Dentistry
Topic: *The role of Fibronectin and Btbd7 in Oral Squamous Cell Carcinoma*

9:40 a.m.- Anna Chichura, NCI

Georgetown University School of Medicine
Topic: *Adoptive Cell Transfer Targeting Unique Cancer Mutations*

IMMUNOLOGY

FAES CLASSROOM #4

MODERATOR: ANNA BROWN

9:00 a.m.- Trisha Pasricha, NIAID

Vanderbilt University School of Medicine
Topic: *Functional Role of the IL-13 Decoy Receptor in Inflammatory Bowel Disease*

9:20 a.m.- Nikhil Jiwrajka, NIAID

Johns Hopkins University School of Medicine
Topic: *Evaluating IL-13R α 2 as a Therapeutic Target for Pulmonary Fibrosis*

9:40 a.m.- Sarah Himmelfarb, NIAID

George Washington University School of Medicine & Health Sciences
Topic: *Site-Specific Commensal Control of T Effector Function in Human and Non-Human Primate Skin*

SESSION 2: 10:05 A.M.–11:00 A.M.

ONCOLOGY

FAES CLASSROOM #3

MODERATOR: REBECCA SORBER

10:05 a.m.-Steven Abboud, NCI

Saint Louis University School of Medicine
Topic: *Targeting the Vasculature and Metabolism of HLRCC Tumors*

10:25 a.m.- Raju Chelluri, NCI

State University of New York Update Medical University
Topic: *HSP90 Inhibition Combined with Targeted Therapies Synergistically Affects Cytotoxicity in Bladder Cancer Models*

10:45 a.m.- Richard Ho, NCI

Albert Einstein College of Medicine of Yeshiva University
Topic: *Multiparametric MRI Predicts Biochemical Recurrence in Men Undergoing Radical Prostatectomy*

OPHTHALMOLOGY

FAES CLASSROOM #4

MODERATOR: WILL SHTEAMER

10:05 a.m.- Amol Sura, NEI

Louisiana State University School of Medicine in New Orleans
Topic: *Scavenger Receptor-A1 Alters Experimental Autoimmune Uveitis*

10:25 a.m.- Jane Kim, NEI

University of California, San Diego, School of Medicine
Topic: *Enhanced Depth Imaging Optical Coherence Tomography (EDI-OCT) in Uveitis: An Intra-Session and Inter-Observer Reproducibility Study*

10:45 a.m.- Alisa Thavikulwat, NEI

University of Rochester School of Medicine and Dentistry
Topic: *Towards a Focal Electro-Oculogram for Use in Macular Diseases*

SESSION 3: 11:10 A.M.–12:05 P.M.

ONCOLOGY

FAES CLASSROOM #3

MODERATOR: MARTIN PIAZZA

11:10 a.m.- Amrita Karambelkar, NHLBI

Icahn School of Medicine at Mount Sinai

Topic: *Mechanistic Insights into Efficient Targeting of Ewing's Sarcoma by Ex Vivo Expanded Natural Killer Cells: Promise for Natural Killer Cell Immunotherapy*

11:30 a.m.- Jeyan Kumar, NCI

Chicago Medical School at Rosalind Franklin University of Medicine and Science

Topic: *Bioluminescent Imaging of ABCG2 Efflux Activity at the Blood-Placenta Barrier*

11:50 a.m.- Joseph Rimando, NCI

Medical College of Georgia at Georgia Regents University

Topic: *Amino Acid Excess Modulates the Phenotype of Rapamycin-Resistant T Cells*

NEUROLOGY

FAES CLASSROOM #4

MODERATOR: SARA ARMAIZ

11:10 a.m.- Jason Hsieh, NINDS

Cleveland Clinic Lerner College of Medicine of Case Western University

Topic: *Graph Metrics of Seizure Foci in Epilepsy*

11:30 a.m.- Denise Ye, NINDS

Vanderbilt University School of Medicine

Topic: *Visual Exploration in Parkinson's Disease*

11:50 a.m.- Victoria Liu, NINDS

University of California, San Diego, School of Medicine

Topic: *Contextual Modulation of Conditioned Fear in Functional Movement Disorders: A Psychophysiological Study*

POSTER SESSION: 1 P.M. –2:30 P.M.

FAES TERRACE

SESSION 4: 2:40 P.M.–3:15 P.M.

ONCOLOGY/ RHEUMATOLOGY

FAES CLASSROOM #3

MODERATOR: AMRITA KARAMBELKAR

2:40 p.m.- Jennie Leikin, NCI

Tufts University School of Dental Medicine

Topic: *Analysis of IsomiRs in Lung Cancer*

3:00 p.m.- Taufiq Salahuddin, NHLBI

Wake Forest University School of Medicine

Topic: *Vascular Inflammation in the Aorta is related to Coronary Plaque Burden in Psoriasis*

IMMUNOLOGY/INFECTIOUS DISEASES

FAES CLASSROOM #4

MODERATOR: LIWEI JIANG

2:40 p.m.- Lisa Gretebeck, NIAID

University of Pennsylvania School of Veterinary Medicine

Topic: *Inhibition of Middle East Respiratory Syndrome Coronavirus Infection in New Zealand White Rabbits with a Human Anti-Spike Monoclonal Antibody*

3:00 p.m.- Ali Jamil, NIAID

New York University School of Medicine

Topic: *Clinical Aspects of Hyper IgE-Like Cohorts*

SESSION 5: 9 A.M.–9:55 A.M.

GENETICS/GENE THERAPY

FAES CLASSROOM #3

MODERATOR: HARRISON CASH

9:00 a.m.- Peter Fung, NIDCR

Harvard University School of Dental Medicine

Topic: *Long-term Sequelae of Optic Nerve Encasement with Fibrous Dysplasia*

9:20 a.m.- Dino Maglic, NHGRI

Brody School of Medicine at East Carolina University

Topic: *A Family with Joubert and Meckel-Gruber Syndrome Phenotypes Associated with TMEM231 Mutations*

9:40 a.m.- Will Shteamer, NIDCD

Emory University School of Medicine

Topic: *Application of Gene Therapy to a Mouse Model of Vestibular Dysfunction*

ONCOLOGY

FAES CLASSROOM #4

MODERATOR: JOSEPH RIMANDO

9:00 a.m.- Kei Satoh, NCI

Icahn School of Medicine at Mount Sinai

Topic: *Identification and Validation of Niclosamide as a Novel Anticancer Agent for Adrenocortical Carcinoma*

9:20 a.m.- Angela Liu, NCI

University of California, San Diego, School of Medicine

Topic: *Reproducibility and Diagnostic Accuracy of Colposcopic Impressions*

9:40 a.m.- Rebecca Sorber, NCI

Indiana University School of Medicine

Topic: *Novel Immunomodulatory Peptide RP-182 in Pancreatic Cancer*

SESSION 6: 10:05 A.M.–11:00 A.M.

PSYCHIATRY

FAES CLASSROOM #3

MODERATOR: LISA GRETEBECK

10:05 a.m.- Cortlyn Brown, NIMH

Yale University School of Medicine

Topic: *The Stress Reactivity of Cortisol in a Nationally Representative Sample of Adolescents*

10:25am- Kirk Reardon, NIMH

Columbia University College of Physicians and Surgeons

Topic: *Subcortical Morphometrics in Sex Chromosome Aneuploidy*

10:45 a.m.- Bartholt Clagett, NIMH

Perelman School of Medicine at the University of Pennsylvania

Topic: *Emotional Dysregulation in Attention Deficit Hyperactivity Disorder*

ONCOLOGY/IMAGING SCIENCES

FAES CLASSROOM #4

MODERATOR: STEVEN ABBOUD

10:05 a.m.- Michael Feldman, NINDS

University of Rochester School of Medicine and Dentistry

Topic: *Protein Phosphatase 2A as a Novel Therapeutic Target in Medulloblastoma*

10:25am- Martin Piazza, NINDS

Wake Forest University School of Medicine

Topic: *Development of a Vasogenic Brain Edema Model in Rodents*

10:45am- Michele Fascelli, NCI

Jefferson Medical College of Thomas Jefferson University

Topic: *MRI/US Fusion-Guided Targeted Biopsy Detects Clinically Significant Prostate Cancer in the Central Gland Correlating with Index Lesion*

SESSION 7: 11:10 A.M.–12:05 P.M.

CARDIOVASCULAR AND RENAL DISEASE

FAES CLASSROOM #3

MODERATOR: ALI JAMIL

11:10am- Alex Dinh, NIDDK

University at Buffalo School of Medicine and
Biomedical Sciences
Topic: *The Role of ApoL1 in Cholesterol Homeostasis*

11:30am- Joey Harrington, NHLBI

University of Massachusetts Medical School
Topic: *Hypertrophy-Associated Sex Differences in the
Cardiac Transcriptome*

11:50am- Abdulkareem Agunbiade, NIAMS

University of Chicago Division of Biological Sciences,
Pritzker School of Medicine
Topic: *Survival Advantage of Minorities on
Maintenance Dialysis*

IMAGING SCIENCES

FAES CLASSROOM #4

MODERATOR: AMOL SURA

11:10am- Anna Brown, NCI

Duke University School of Medicine
Topic: *Novel Imaging Analysis Techniques for
Prostate Cancer*

11:30am- Liwei Jiang, CC

Johns Hopkins University School of Medicine
Topic: *Radiofrequency Current for the Removal of
Embedded Inferior Vena Cava Filters*

11:50am- Spencer Kirkland, NCI

University of Missouri, Columbia School of Medicine
Topic: *A Dosimetric Analysis of Involved-Node,
Involved-Site, and Involved-Field Radiation Therapy
in Mediastinal Lymphoma*

POSTER SESSION: 1 P.M. –2:30 P.M.

FAES TERRACE

SESSION 8: 2:40 P.M.–3:15 P.M.

FAES CLASSROOMS #3 AND #4

MODERATOR: TAUFIQ SALAHUDDIN

2:40 P.M.-Sara Armaiz, NICHD

University of Puerto Rico School of Medicine
Topic: *Evaluating Weight Status and Sex as
Moderators of the Association of Serum Leptin with
Bone Mineral Density in Children and Adolescents*

3:00 P.M.- Presley Garrison, NICHD

Brody School of Medicine at East Carolina University
Topic: *Spatial Regulation of Bone Morphogenetic
Proteins (BMPs) in Postnatal Articular and Growth
Plate Cartilage*

CLOSING CEREMONY AND CERTIFICATE PRESENTATION

FAES CLASSROOMS #3 AND #4