MONDAY, MAY 1, 2017
BU Pharmacology & Experimental Therapeutics – Pfizer Symposium
Emerging Technologies in Therapeutics
Boston University Trustees Ballroom, 1 Silber Way, 9th Floor
Boston, Massachusetts

8:00 – 8:30  Registration and Breakfast
Opening Remarks

8:30 – 8:40  INTRODUCTION TO THE BU – PFIZER DOCTORAL TRAINING PARTNERSHIP
David H. Farb, Ph.D., Chair, BU Pharmacology and Director, NIGMS Program in Biomolecular Pharmacology
Lori Fitz, Ph.D., Precision Medicine Scientist and Laboratory Head, Pfizer; 2006 Graduate of the Boston University Program in Biomolecular Pharmacology

SESSION 1  CYTOSOLIC DNA SENSORS AND DEATH PATHWAYS
Moderator: Rachel L. Flynn, Ph.D., Assistant Professor of Pharmacology & Experimental Therapeutics, BU

8:40 – 9:00  RIPK1 in Necroptosis and Axonal Degeneration; From Basic Cell Death to Human Clinical Applications
Junying Yuan, Ph.D., Elizabeth D. Hay Professor of Cell Biology, Harvard Medical School, Boston, MA

9:10 – 9:30  Receptor Interacting Protein Kinases: Integrating Cell Death and Inflammation Signals
Francis Ka-Ming Chan, Ph.D., Professor of Pathology, University of Massachusetts Medical School, Worcester, MA

9:40 – 10:00  To the Edge of Necroptosis and Back
Douglas R. Green, Ph.D., Member and Chair, Department of Immunology and the Peter C. Doherty Endowed Chair in Immunology, St. Jude Children’s Research Hospital, Memphis, TN

10:10 – 10:30  Morning Break

SESSION 2  THE UNFOLDED PROTEIN RESPONSE
Moderator: Hui Feng, M.D., Ph.D., Assistant Professor of Pharmacology & Experimental Therapeutics, BU

10:40 – 11:00  Protein Misfolding in the Endoplasmic Reticulum and Oxidative Stress Initiate Liver Failure in Non-Alcoholic Steatohepatitis (NASH)
Randal J. Kaufman, Ph.D., Director, Degenerative Diseases Program and Endowed Chair in Cell Biology, Sanford Burnham Presby Medical Discovery Institute La Jolla, CA

11:10 – 11:30  Targeting the Unfolded Protein Response in Pancreatic Neuroendocrine Tumors
Scott A. Oakes, M.D., Professor of Pathology, University of California San Francisco School of Medicine, San Francisco, CA

11:40 – 12:00  A Mitochondrial Stress Response and Propagation of Toxic Genomes
Cole Haynes, Ph.D., Associate Professor of Molecular, Cell, and Cancer Biology, University of Massachusetts Medical School, Worcester, MA
12:00 – 1:00  Buffet Lunch

SESSION 3  PHARMACOLOGY AS A CENTRAL DISCIPLINE IN DRUG DISCOVERY
Moderator: Camron Bryant, Ph.D., Assistant Professor of Pharmacology & Experimental Therapeutics, BU

1:00 – 1:10 EDUCATION: Pharmacology in a Changing Therapeutic Landscape
Marion Kasaian, Ph.D., Inflammation and Immunology, Pfizer

1:20 – 1:50 DISCOVERY: Learning from Tofacitinib, a JAK Inhibitor for Autoimmune Disease
James D. Clark, Ph.D., Director, Inflammation and Immunology, Pfizer

1:50 – 2:10 PHARMACOLOGY IN CLINICAL TRIALS AND DRUG DISCOVERY
Gianluca Nucci, Ph.D., Vice President, Early Clinical Development/Clinical Pharmacology, Pfizer

2:20 – 2:35 Afternoon Break

SESSION 4  INNOVATION IN CANCER THERAPEUTICS
Moderator: David Peritt, Ph.D., Research Project Leader, Inflammation and Immunology, Pfizer

2:40 – 3:00 Gene and Oncolytics Immunotherapy Clinical Trials for Glioblastoma
E. Antonio Chiocca, M.D., Ph.D., Harvey Cushing Professor of Neurosurgery, Harvard Medical School; Chairman, Department of Neurosurgery, Brigham and Women’s, Boston, MA

3:10 – 3:30 Replicating Virus Therapeutics for the Treatment of Cancer
John C. Bell, Ph.D., Senior Scientist, Centre for Innovative Cancer Research, Ottawa Hospital Research Institute; Professor, Departments of Medicine and Biochemistry, Microbiology & Immunology, University of Ottawa, Ottawa, Ontario, Canada

BUSM ALUMNUS KEYNOTE ADDRESS
3:40 – 4:00 Polymeric Nanoparticles: Tumor Microenvironment Variability and Implications for New Nanoparticle Design and Development
Omid C. Farokhzad, M.D. (BUSM ’99), Associate Professor, Harvard Medical School; Director, Center for Nanomedicine, Department of Anesthesiology, Perioperative and Pain Medicine, Brigham and Women’s Hospital, Boston, MA

4:10 – 4:40 Open Forum
Moderator: William Gordon, Ph.D., Senior Principal Scientist and Disease Pathogenesis Lead, Pfizer

4:40 – 4:45 Closing Remarks
David H. Farb, Ph.D.

4:45 – 6:00 Reception

Free and Open to the Public

Parking: Kenmore Lot, 549 Commonwealth Avenue
or Granby Lot, 665 Commonwealth Avenue
Accessible by Public Transportation: Via the Green Line B Line
– Exit at Blandford Street