SESSION I:
Chairperson: Arnold Rabson, MD
CABM Faculty Member, Professor and Director, Child Health Institute of New Jersey, UMDNJ-Robert Wood Johnson Medical School

9:00 am  “The NS1 Protein of Influenza A Virus: A Master Regulator of Host and Viral Functions”
Robert M. Krug, PhD
Professor and Chair of Molecular Genetics and Microbiology, University of Texas at Austin

9:45 am  “The Poxvirus Transcriptome: A Symphony in Three Movements”
Bernard Moss, MD, PhD
Chief, Laboratory of Viral Diseases – NIAID

10:30 am  Break

SESSION II:
Chairperson: Céline Gélinas, PhD
CABM Faculty Member, Professor of Biochemistry and Molecular Biology, and Associate Dean for Research, UMDNJ-Robert Wood Johnson Medical School

11:00 am  “RNA Repair: Hiding in Plain Sight”
Stewart Shuman, MD, PhD
American Cancer Society Research Professor, Memorial Sloan-Kettering Cancer Center

11:45 am  “Synthetic Lethality as a Therapeutic Modality for Cancer”
J. Michael Bishop, MD
Director, G.W. Hooper Research Foundation, University Professor, Chancellor Emeritus, University of California, San Francisco

12:30 pm  Lunch
Robert Wood Johnson Medical School Great Hall
SESSION III:

Chairperson: Gaetano Montelione, PhD  
CABM Faculty Member, Jerome and Lorraine Aresty Chair and Professor II of Molecular Biology and Biochemistry, Rutgers University

1:30 pm  “Chromatin, Epigenetics and the Brain”  
Danny Reinberg, PhD  
Professor, HHMI at New York University School of Medicine

2:15 pm  “mRNA Processing Proteins and their Roles in Human Disease”  
James Manley, PhD  
Julian Clarence Levi Professor of Life Sciences, Department of Biological Sciences, Columbia University

3:00 pm  Break

SESSION IV:

Chairperson: Joseph Marcotrigiano, PhD  
CABM Faculty Member and Assistant Professor of Chemistry and Chemical Biology, Rutgers University

3:30 pm  “Mechanisms and Regulation of microRNA Metabolism and Function”  
Witold Filipowicz, MD, PhD  
Professor of Biochemistry, Friedrich Miescher Institute for Biomedical Research – Basel, Switzerland

4:15 pm  “Translational Control of Cancer and Autism”  
Nahum Sonenberg, PhD  
James McGill Professor of Biochemistry and the Goodman Cancer Research Centre, McGill University

5:00 pm  Closing
Aaron J. Shatkin, PhD, was professor of molecular genetics, microbiology and immunology, Founding Director of the Center for Advanced Biotechnology and Medicine (CABM) and member of The Cancer Institute of New Jersey at UMDNJ-Robert Wood Johnson Medical School and university professor of molecular biology at Rutgers, The State University of New Jersey. Dr. Shatkin earned a bachelor’s degree in chemistry, *summa cum laude*, from Bowdoin College and was awarded a Rockefeller Fellowship to attend The Rockefeller University where he trained in microbiology with Nobel Laureate Dr. E.L. Tatum.

After receiving his doctorate in 1961, he joined the laboratories of Drs. Harry Eagle and Norman Salzman at the National Institutes of Health as a research scientist. He spent a sabbatical year in 1968 as a visiting investigator with Nobel Laureate Dr. Renato Dulbecco at the Salk Institute then moved to the newly established Roche Institute of Molecular Biology in New Jersey where he was head of the Laboratory of Molecular Virology and later chair of the Department of Cell Biology. In 1986, he was appointed director of the nascent Center for Advanced Biotechnology and Medicine, a joint institute of UMDNJ-Robert Wood Johnson Medical School and Rutgers, The State University of New Jersey. He also taught at several other universities and trained many future scientists in his laboratory.

Dr. Shatkin is nationally recognized for the discovery of mRNA capping and other fundamental contributions to gene expression mechanisms in animal cells and viruses. In honor of his achievements in biomedical research, he received the 1977 U.S. Steel Award in Molecular Biology from the National Academy of Sciences, the Thomas Alva Edison Science Award, the New Jersey Pride Award in Science and Technology, the Association of American Medical Colleges 2003 award for Distinguished Research in the Biomedical Sciences and the 2009 Edward J. Ill Outstanding Medical Research Scientist Award. His
alma mater, Bowdoin College, granted him an Honorary Doctorate of Science in recognition of his work.

The founding editor of *Molecular and Cellular Biology*, Dr. Shatkin served on numerous organizing and advisory committees including the Asilomar Meeting on Recombinant DNA, Howard Hughes Medical Institute and the Cleveland Clinic Lerner Research Institute. He authored more than 230 publications that provided new insights into diseases including cancer, AIDS and other viral infections. He was an elected member of the U.S. National Academy of Sciences and a fellow of the American Academy of Arts and Sciences, the American Academy of Microbiology, and the American Association for the Advancement of Science.
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