

## Registration

**Registration opens Monday, February 1, 2016**

Register by visiting the Center for Continuing Education in Health Sciences website at:

<https://ccehs.upmc.com/home.jsf>

Select “Upcoming Events”. Click on the appropriate event to begin registration.

All cancellations must be in writing and sent via email to [eganmk@upmc.edu](mailto:eganmk@upmc.edu).

**Registration deadline: Friday, March 11, 2016**

There is no fee for this educational activity. Registration is REQUIRED for all attendees.

**Questions? Please call 412-623-3651**

## UNIVERSITY OF PITTSBURGH CANCER INSTITUTE

*In Celebration of 30 Years of  
Cancer Research and Innovation*

PRESENTS

### 30th Anniversary Symposium II “Viruses and Cancer”

FRIDAY, MARCH 18, 2016

8:00 AM—1:30 PM

HERBERMAN CONFERENCE CENTER

PITTSBURGH, PA



Sponsored by the University of Pittsburgh Cancer Institute, UPMC CancerCenter, and the University of Pittsburgh School of Medicine Center for Continuing Education in the Health Sciences.

### ***COURSE DIRECTORS***

YUAN CHANG, MD

PATRICK S. MOORE, MD, MPH

### ***TARGET AUDIENCE***

UPCI AND UNIVERSITY OF PITTSBURGH FACULTY MEMBERS AND FELLOWS, AS WELL AS CANCER INVESTIGATORS FROM NEARBY ACADEMIC INSTITUTIONS IN OHIO, NEW YORK, AND PENNSYLVANIA.

### ***PROGRAM OVERVIEW***

THIS PROGRAM WILL PROVIDE AN UP-TO-DATE OVERVIEW OF THE EPIDEMIOLOGY, THERAPEUTICS AND BASIC BIOLOGY OF VIRUSES THAT CAUSE HUMAN CANCER AND THE ROLE THAT THE IMMUNE SYSTEM PLAYS IN CONTROLLING CANCER CELL GROWTH.

### ***LEARNING OBJECTIVES***

AT THE COMPLETION OF THIS ACTIVITY, PARTICIPANTS WILL BE ABLE TO:

- APPRECIATE THE DIVERSITY OF HUMAN CANCERS ASSOCIATED WITH VIRUSES
- IDENTIFY THE DIVERSE WAYS THAT VIRUSES CAN AFFECT CELLULAR SIGNALING PATHWAYS
- DISCUSS CHARACTERISTICS OF VIRUS ASSOCIATED CANCERS

### ***CME ACCREDITATION***

THE UNIVERSITY OF PITTSBURGH SCHOOL OF MEDICINE IS ACCREDITED BY THE ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION TO PROVIDE CONTINUING MEDICAL EDUCATION FOR PHYSICIANS.

THE UNIVERSITY OF PITTSBURGH SCHOOL OF MEDICINE DESIGNATES THIS LIVE ACTIVITY FOR A MAXIMUM OF 5 *AMA PRA CATEGORY I CREDIT(S)*™. PHYSICIANS SHOULD CLAIM ONLY THE CREDIT COMMENSURATE WITH THE EXTENT OF THEIR PARTICIPATION IN THE ACTIVITY.

OTHER HEALTH CARE PROFESSIONALS ARE AWARDED 0.5 CONTINUING EDUCATION UNITS (CEU'S) WHICH ARE EQUAL TO 5 CONTACT HOURS.

### ***THE AMERICANS WITH DISABILITIES ACT***

PARTICIPATION BY ALL INDIVIDUALS IS ENCOURAGED. ADVANCE NOTIFICATION OF ANY SPECIAL NEEDS WILL HELP US PROVIDE BETTER SERVICE. PLEASE NOTIFY US OF YOUR NEEDS AT LEAST TWO WEEKS IN ADVANCE OF THE PROGRAM BY CALLING MARY KATE EGAN AT 412-623-3651.

### ***FACULTY DISCLOSURE***

ALL INDIVIDUALS IN A POSITION TO CONTROL THE CONTENT OF THIS EDUCATION ACTIVITY ARE REQUIRED TO DISCLOSE ALL RELEVANT FINANCIAL RELATIONSHIPS WITH ANY PROPRIETARY ENTITY PRODUCING, MARKETING, RE-SELLING, OR DISTRIBUTING HEALTH CARE GOODS OR SERVICES, USED ON, OR CONSUMED BY, PATIENTS.

*THE UNIVERSITY OF PITTSBURGH IS AN AFFIRMATIVE ACTION, EQUAL OPPORTUNITY INSTITUTION.*

## *Agenda*

|          |  |                               |
|----------|--|-------------------------------|
| 7:30 am  | Registration & Breakfast   |                               |
| 8:00 am  | Welcome  | Patrick S. Moore, MD, MPH     |
| 8:10 am  | Virus-Related (and Unrelated) Cancers in Immunosuppressed Populations: an Epidemiologist's Perspective | Eric A. Engels, MD, MPH       |
| 8:50 am  | Towards Pathogenesis based Therapy of KSHV-induced Malignancies and Related Diseases                   | Robert Yarchoan, MD           |
| 9:30 am  | Using Viruses for the Treatment of Cancer  | Cliona M. Rooney, PhD         |
| 10:10 am | Targeting Papillomavirus Replication   | Alison McBride, PhD           |
| 10:50 am | Break & Refreshments   |                               |
| 11:10 am | Host Response to Viral DNA   | Matthew Weitzman, PhD         |
| 11:50 am | Control of Mammalian Immunity by the Virome, including Oncogenic Viruses                               | Herbert W. Virgin IV, MD, PhD |
| 12:30 pm | Innate Immune Sensing of DNA and its Role in Autoimmune Diseases and Cancer                            | Zhijian Chen, PhD             |
| 1:10 pm  | Closing Remarks  | Yuan Chang, MD                |
| 1:20 pm  | Evaluation   |                               |
| 1:30 pm  | Adjournment and Lunch  |                               |

## *Faculty*

### **Yuan Chang, MD**

American Cancer Society Research Professor  
Distinguished Professor of Pathology  
UPMC Chair in Cancer Virology Research  
University of Pittsburgh Cancer Institute  
Pittsburgh, Pennsylvania

### **Zhijian Chen, PhD**

Investigator, Howard Hughes Medical Institute  
George MacGregor Distinguished Chair in Biomedical Sciences  
Professor, Department of Molecular Biology  
University of Texas Southwestern Medical Center  
Dallas, Texas

### **Eric A. Engels, MD, MPH**

Senior Investigator  
Infections & Immunoepidemiology Branch  
Division of Cancer Epidemiology and Genetics  
National Cancer Institute  
Bethesda, Maryland

### **Alison McBride, PhD**

Chief, DNA Tumor Virus Section  
Lab of Viral Diseases  
National Institute of Allergy and Infectious Diseases  
National Institutes of Health  
Bethesda, Maryland

### **Patrick S. Moore, MD, MPH**

American Cancer Society Research Professor  
Distinguished Professor of Microbiology & Molecular Genetics  
Director, Cancer Virology Program  
Pittsburgh Foundation Chair in Innovative Cancer Research  
University of Pittsburgh Cancer Institute  
Pittsburgh, Pennsylvania

## *Faculty*

### **Cliona M. Rooney, PhD**

Professor, Department of Pediatrics, Section of Hematology/Oncology  
Department of Molecular Virology and Microbiology  
Department of Immunology  
Center for Cell and Gene Therapy  
Baylor College of Medicine  
Houston, Texas

### **Herbert W. Virgin IV, MD, PhD**

Edward Mallinckrodt Professor and Chair  
Department of Pathology and Immunology  
Professor of Molecular Microbiology and Professor of Medicine  
Washington University School of Medicine  
Saint Louis, Missouri

### **Matthew Weitzman, PhD**

Associate Professor of Pathology and Laboratory Medicine  
The Children's Hospital of Philadelphia  
Philadelphia, Pennsylvania

### **Robert Yarchoan, MD**

Chief, HIV and AIDS Malignancy Branch  
Director, Office of HIV and AIDS Malignancy  
National Cancer Institute  
Bethesda, Maryland