Spring 2018

OSHER LIFELONG LEARNING INSTITUTE

at Johns Hopkins University

Registration

Name
Address
City/State
Phone
Email

☐ Impact of Viruses in Our World of Cells
Phil Grimley
Fridays, 2/23/18–3/30/18
(6 weeks) 10:15 a.m.–12:15 p.m.

☐ The Science of Climate Change
Eric Shettle
Fridays, 4/6/18–5/11/18
(6 weeks) 10:15 a.m.–12:15 p.m.

☐ Vermeer and the Dutch Masters
Nora Hamerman
Fridays, 2/23/18–5/11/18
(12 weeks) 1–3 p.m.

All classes are held at Ingleside, 701 King Farm Blvd, Rockville, MD 20850

$50 (one time registration fee)
$125 (membership includes all Spring 2018 classes)
☐ Check enclosed

Credit Card Information
☐ MasterCard ☐ Visa ☐ Discover

Account #
Exp. Date
Zip Code
Cardholder’s signature:
Date:

Online, Telephone, Mail, In Person, or Fax:
Osher at JHU
9601 Medical Center Dr.
Rockville, MD 20850
FAX: 301-294-7103
Information:
opher@jhu.edu
**Impact of Viruses in Our World of Cells**

Virus particles are inconspicuous packages of genetic material, and their active life cycles are imprisoned within the cells of infected living hosts. Multiple virus types employ diverse strategies and deceptions to propagate in cells of humans, animals, plants and microbes. Humans are infected by a limited spectrum of the vast virus numbers, but modern life styles, accelerating urbanization and population exchanges have intensified exposures and evoked public health concerns. This course will explain how medical science is exploring our susceptibilities to particular viruses, how infections activate intrinsic protective mechanisms, and why virus diseases vary in extent and severity. Participants will learn how continued investigations are essential to more successful diagnosis, prevention and treatment. Modern efforts to explain virus actions also have opened new vistas on gene functions and cancer. Recent advances in genomics and molecular biology suggest global roles of viruses in sustaining ecological and environmental balances and may explain the mystery of virus origins. Essential rudiments of cell biology and molecular genetics will be reviewed in context, but technical terminology will be limited and directly explained. Illustrated materials will be provided in PDF.

*Phil Grimley, PhD, became fascinated with viruses during college while working in a microbiology laboratory. His subsequent medical career included studies of virus development at the NIH and direction of clinical laboratories for the NY State Department of Health in Albany. From 1982 to 2014 he was a professor at the Uniformed Services Medical School in Bethesda where he participated in research on AIDS and interferon effects on cancer cell growth.*

**The Science of Climate Change**

We will look at the evidence on whether or not the climate is changing. We will develop an understanding of the energy balance between the incoming sunlight and the outgoing heat from the earth and atmosphere. We will address the causes of climate change, and try to understand why the climate is changing. We will look at predictions of future climate change, and the resulting impacts of climate change. We will end by looking at policies to address climate change.

*Eric Shettle, PhD, received his undergraduate degree from Johns Hopkins University, and then did his graduate work in Physics and Meteorology at the University of Wisconsin in Madison. After a year at the University of Florida, he spent the last 37 years of his career working for the government in Atmospheric Physics.*

**Vermeer and the Dutch Masters**

Johannes Vermeer (1632–1675) has become the most beloved painter of the Dutch Golden Age, mainly known for his paintings with one or two figures (usually women) in an interior quietly posed in a simple act such as writing, making music, or pouring from a pitcher. Thanks to a recent major exhibit at the National Gallery of Art, we can reconsider this master as part of a network of artists who imitated and challenged each other to ever higher achievements. The class will survey the many kinds of “genre” pictures that broke down previous categories of fine art, including the fisher maids of Frans Hals, the comically disordered households of Jan Steen, the Italianate landscapes of Nicholas Berchem, and innumerable glimpses into the households of peasants and workmen by artists whose names are less well known today. An important resource for the class are the collections of Dutch art at the National Gallery (Washington) and the Walters Art Museum (Baltimore).

*Nora Hamerman, MA, is an expert on art of the Renaissance and Baroque periods and has published hundreds of reviews of art exhibits in the DC area. She spent three years studying in Italy as a Fulbright scholar and Chester Dale Fellow of the National Gallery of Art. She taught art history at University of Virginia and Shenandoah University, and worked for 11 years in New York as an editor and translator from several European languages.*
How to Register (INGLESIDE)
The Osher office offers five easy ways to register.

By Mail: Mail the registration form to Osher at JHU, 9601 Medical Center Drive, Rockville, MD 20850 with your tuition. You may pay by VISA, MasterCard, Discover, or check (payable to JHU Osher Program). Please do not send cash.

By Telephone: You may register by telephone Monday through Friday from 12 noon to 4 p.m. with VISA, MasterCard, or Discover. When calling, please be prepared to provide the information requested on the registration form. To register, call 301-294-7047.

By FAX: Members who pay by VISA, MasterCard, or Discover may fax their completed registration form to the Osher at JHU Program at 301-294-7103.

By EMAIL: Members who pay by VISA, MasterCard, or Discover may email their completed registration form by typing “INGLESIDE” in the Subject Line and scanning to osher@jhu.edu.

Online: You may register beginning January 5th for Osher courses on-line at www.osher.jhu.edu with VISA, MasterCard, or Discover. JHU faculty, staff, and retirees receiving the tuition remission benefit may not use the on-line option. For JHU Faculty, Staff and Retiree Registration, please call the Osher office at 301-294-7047.

TERMS OF MEMBERSHIP

ALL FEES ARE NON-REFUNDABLE. Extensions or transfers of membership cannot be offered, and THERE WILL BE NO EXCEPTIONS TO THIS POLICY. The University of necessity reserves the freedom to change without notice any programs or policies published herein. The University reserves the right to terminate or limit the membership or refuse membership to individuals whose conduct disrupts or interferes with other members’ participation in and enjoyment of Osher at JHU programs.