

Westchester Photographic Society
www.wpsphoto.org
Presents Andrew Paul Leonard
September 21, 2018 8 PM
At Westchester Community College
Technology Building Auditorium (rm 107)
75 Grasslands Road
Valhalla, NY



Electron Micrography

“The first photograph I shot with a scanning electron microscope was of a flea that bit me on the leg while playing piano. After capturing the flea in a plastic bag, I transported it to the microscope and recorded my first electron micrograph.” Using a scientist’s tool and “eye” to capture the splendor of a miniscule world beyond the normal range of human vision, Andrew Paul Leonard has documented this new frontier in a style uniquely his own. He strives to portray two distinct worlds through his photography -- one characterized by high-contrast experimental imagery evocative of Man Ray, the other composed of special optical effects reminiscent of surrealism. Together, these worlds illustrate an infinitesimally small stage where color and light merge to create a commercial product unlike the Pop art and computer graphic imagery flooding today’s markets. With comedy, pathos and a sense of the sublime, Leonard’s photography captures and highlights the mesmerizing patterns, shapes, and colors found in even the tiniest realms of nature. Leonard “surprises with the familiar.” In his photographs, nature’s inner space often mirrors our human world. For example, the surfaces of kidney stone crystals resemble alpine landscapes; neuronal dendrites can mimic bare tree branches against an overcast sky; and skeletons of microscopic sea organisms seem to have faces and portray moods.

BIOGRAPHY

Andrew Paul Leonard was born in Manhattan and grew up in Hartsdale, New York. As an avid student of photography and biology at Hampshire College, Leonard’s fascination with the morphology, colors and shapes of leukocytes led him to his visual and technical

training. He created art prints of electron microscopy from optical microscopes. Through further technical studies at the University of Massachusetts Microbiology Department and Cornell Medical College, as well as his work for audiovisual companies in the late 1980s, Leonard honed his skills and mastered such varied tools as the Forox and Marin animation cameras. He then created and perfected optical special effects for corporate slide presentations. During the economic downturn of the late 1980s, Leonard dedicated his talents to the commercialization of microscopic photography for pharmaceutical advertising. In order to realize his vision, he created his own company, APL Microscopic. Currently, Leonard's cameras include the Field Emission Scanning Electron Microscope. Recently, Leonard has collaborated with Mount Sinai Hospital Tisch Cancer Institute to photograph a myriad cancer cells, including breast cancer and melanoma. In April 2015, his photo of HER-2 positive breast cancer cells appeared in The Wall Street Journal.

Leonard photograph of a human bone marrow stem cell was featured on the cover of Time magazine's August 7, 2006 issue. That year, Time also featured Leonard's Image of a human embryonic stem cell in their collection "Best Photos of 2006." In 1996, Leonard was commissioned to photograph a healthy human coronary artery for the launch of Pfizer's Lipitor®.

Other recent projects include photographing phytoplankton and zooplankton from around the world. Collaborating with a non-profit New York City's The River Project, Leonard discovered the some of the most amazing imagery exists locally, right here at the mount of New York City's Hudson River, including diatoms of many varieties, Leonard has capture these small one-cell skeletons of plant life in their own "artistic space."

For more than ten years, Leonard has battled many copyright infringement cases, primarily against parties of have stole images of his stem cells.

Leonard's photography can be purchase. They are all custom and made to order and include limited addition giclée prints. Inquiries can be sent to info@aplmicro.com. Leonard's website is located at www.aplmi-cro.com . You can follow Leonard at www.Instagram.com/AndrewPaulLeonard , www.Facebook.com/aplmicroscopic and visit his store at www.magbar9.com .

Westchester Photographic Society is proud to invite the public (18 and older) to see Andrew Paul Leonard, September 21, 2018, 8 pm, Westchester Community College, Technology Building Auditorium (room 107), across from parking lot 11, 75 Grasslands Road, Valhalla, NY