

Susquehanna Valley Section American Chemical Society

Annual Education Awards Banquet



**Links Restaurant
Bloomsburg, Pennsylvania**

May 6, 2015

5:30 p.m.

PROGRAM

- I. Welcome and Introductions***Dr. James Swan*
- II. Joseph Priestley Service Award**.....*Dr. James Swan*
DR. WILLIAM SIMPSON Eastman Kodak, retired
- III. High School Teacher Award***Mr. Ronald Blatchley*
MR. JOHN TAMBLIN Hughesville Jr/Sr High School
- IV. David H. Frederick Memorial Awards in High School Chemistry**..... *Dr. Charles Mahler*

EXAM A RUNNERS-UP

DYLAN LATSHA	Line Mountain High School Teacher – Dr. Shelley Herb-Fausey
VICTORIA BELLOMO	Jersey Shore Area High School Teacher – Mr. Williams Ferguson
BRIDGET FORESMAN	St. John Neumann Regional Academy Teacher – Ms. Sara Baszczewski
NATHAN KOLMEL	Williamsport Area High School Teacher – Ms. Dale Seeley
ALISHA CHEN	Williamsport Area High School Teacher – Mr. Andrew Paulhamus
CLAIRE TRAWEEK	Abington Heights High School Teacher – Ms. Bellette Green
MICHAEL WEIDOW	Honesdale High School Teacher – Ms. Michelle Tonkin
MATTHEW DEMERS	Honesdale High School Teacher – Ms. Rebecca Rowe
ROSE REID	Marian Catholic High School Teacher – Mr. Robert Valente
KAYLA RIVERS	Marian Catholic High School Teacher – Mr. Robert Valente
ALEX ROBBINS	Wyoming Area High School Teacher – Ms. Nancy Roman

EXAM A WINNERS

HAROLD HARRISON	Lewisburg Area High School Teacher – Ms. Angela Gockley
DONAVAN KEEN	South Williamsport Area High School Teacher – Mr. Matthew Eisley
EMILY JONSSON	Scranton Preparatory School Teacher – Ms. Jane Nagurney

SHAHIL PATEL Abington Heights High School
Teacher – Ms. Carolyn Siwak
DANIEL MARCINCAVAGE Hanover Area Jr/Sr High School
Teacher – Dr. Jocelyn Holodick-Reed
ANIRBAN CHOWDHURY MMI Preparatory School
Teacher – Mr. Todd Ronco

EXAM B RUNNERS-UP

DANIELLE LINCOLN	Milton Area High School
MADALYN CHARNEGO	Teacher – Ms. A. Faye Hinson
NOAH SHANDOR	Jersey Shore Area High School
JAMIE BREYFOGLE	Teacher – Mr. Alex Hunter
	Western Wayne High School
	Teacher – Ms. Maria Masankay
	Danville Senior High School
	Teacher – Ms. Deborah Slattery

EXAM B WINNERS

HOLLIS JACOBY	Mifflinburg Area High School
RICHARD LING	Teacher – Mr. Brian Landis
	Abington Heights High School
	Teacher – Ms. Carolyn Siwak

V. Chemistry Olympiad Competitors *Dr. Deanne Garver*

RYAN FRITZ	Honesdale High School
ANDREW BOCHNOVICH	Teacher – Ms. Michelle Tonkin
GERARD FERRARIO	Honesdale High School
GOKULAN GNANENDRAN	Teacher – Ms. Michelle Tonkin
	Scranton Preparatory School
	Teacher – Ms. Jane Nagurney
	Scranton Preparatory School
	Teacher – Ms. Jane Nagurney

VI. College Award Winners *Dr. Ernie Trujillo*

JOCELYN T. LEGERE	Bloomsburg University
KAITLYN PEREZ	Bucknell University
MONIKA WILLIAMS	King's College
CHRISTOPHER C. MCATEE	Lycoming College
JENNA STRUBHAR	Misericordia University
DMITRO MARTYNOWYCH	University of Scranton
PATRICK ERICKSON	Susquehanna University

VII. "Chemical Synthesis as a Scientific Tool"

Dr. Michael Krout , *Bucknell University*

The science of organic chemistry has had a significant impact on the lives of humans. Chemical synthesis, or the planned execution of a series of chemical reactions to produce a final, intended product, requires an ability to manipulate matter in specific and reliable means. Our ability to leverage chemical synthesis for the preparation of pharmaceuticals, agrochemicals, fragrances/flavorings, and materials enhances our understanding of science and often drives innovation. Personal research experiences, anecdotes, and related examples will be presented to advance the connection between our ability to synthesize organic molecules and the application of these structures to societal issues. Emphasis will be placed on studies related to pharmaceuticals and other structures of biological interest.

Dr. Michael Krout is an Assistant Professor in the Department of Chemistry at Bucknell University. He conducts research in the areas of organic synthesis and reaction methods development. Current projects in the Krout laboratory involve the investigation of new strategies for the chemical synthesis of a number of naturally occurring molecules called the eudesmanes that possess an array of interesting properties, such as antitumor and antibacterial. The Krout lab is also engaged in translational studies that involve the design, synthesis, and study of bile acid derivatives that promote unique immunological responses. Dr. Krout graduated from Mifflinburg Area High School in Pennsylvania and received his B.S. in Biochemistry from the Indiana University of Pennsylvania. He then earned his Ph.D. from the California Institute of Technology where he worked on the development and application of novel chemical reactions to synthesize twisted-amides and natural sesquiterpenes. After graduate school, he was an NIH Postdoctoral Fellow at the Memorial Sloan-Kettering Cancer Center in New York City where he conducted studies on the chemical synthesis of potent neurotoxins and developed novel steroid inhibitors with the potential to treat autoimmune diseases.

2015 ACS SUSQUEHANNA VALLEY SECTION OFFICERS

CHAIR	JAMES SWAN, Bucknell University
PAST CHAIR	GENEIVE HENRY, Susquehanna University
CHAIR-ELECT	ANNE SZKLARSKI, King's College
SECRETARY	RONALD SUPKOWSKI, King's College
TREASURER	HOLLY BENDORF, Lycoming College
COUNCILOR	DEE ANN CASTEEL, Bucknell University
ALT. COUNCILOR	DEBORAH HOKIEN, Marywood University

The American Chemical Society is a nonprofit scientific and educational association of professional chemists and chemical engineers. Although the Society is primarily an American organization, virtually every nation is represented among its over 160,000 members.

The programs of the Society include meetings, publications, education, awards, and public service activities, including National Chemistry Week. 1,500 ACS meetings are held each year at the local, regional, national, and divisional levels. Over twenty ACS journals are the leading resources in the chemical field. Educational activities include services to high school and college chemistry students and continuing education programs for its members. The Society presents numerous awards for outstanding achievement in various fields of chemistry through national, regional, divisional, and local channels. Fellowships and research grants for basic research are administered by the society.

The Susquehanna Valley Section of the ACS includes members from eight counties in central to northeastern Pennsylvania.