



American Chemical Society Susquehanna Valley Section

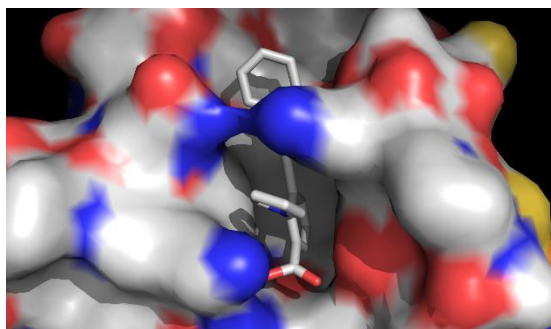
SEPTEMBER 2019 NEWSLETTER

The four hundred and fifty fourth meeting of the American Chemical Society, Susquehanna Valley Section will be held on Wednesday, September 11, 2019 at 7:30 pm in Smith Library in the Vaughan Literature Building on the Bucknell University campus in Lewisburg, PA. The speaker will be Garry Smith, Ph. D., Director of Chemistry at Fox Chase Chemical Diversity Center. The talk will be preceded by a reception and dinner at 6:00 pm in Hildreth-Mirza Hall Great Room.

“Research and Development of Small Molecules to Treat Epstein-Barr Virus-Associated Diseases”

Dr. Garry Smith
Director of Chemistry
Fox Chase Chemical Diversity Center
Doylestown, PA

Academic biologists and industry trained medicinal chemists have partnered to develop small molecule inhibitors of a non-traditional target: a virus-encoded DNA-binding protein, EBNA1. Epstein-Barr virus Nuclear Antigen 1 (EBNA1) is a multifunctional dimeric protein critical for viral replication, genome maintenance and viral gene expression. Several diseases are caused by EBV, including nasopharyngeal carcinomas and certain lymphomas. A fragment-based crystal soaking approach provided a lead series based on merging of fragments. This lead series inhibits the binding of DNA to EBNA1 which leads to cell death. Members of this lead series have been evaluated in several biochemical and cell-based assays, and it was demonstrated that these inhibitors provide protection in xenograft models of EBV-driven tumor growth of NPC cell lines. Additional experiments provide evidence for target engagement. The lead series meet or exceed industry-accepted criteria for drug suitability including physicochemical properties, metabolic stability and selectivity in broad-based screens and other eADME evaluation. These data establish proof-of-concept for targeting EBNA1, a protein previously thought to be undruggable.



BIOGRAPHY OF DR. SMITH:

Garry Smith, Ph.D. received his B.S. in Chemistry from Bucknell University in 1991, followed by the M.S. (1996) and Ph. D (1998) from Villanova University. Dr. Smith spent 10 years in Medicinal Chemistry at Merck and Co. in West Point, PA, worked at several CROs for about seven years, and nearly 10 years as the Director of Chemistry at Fox Chase Chemical Diversity Center, Doylestown, PA. Dr. Smith has provided scientific leadership in multiple research programs, five of which have resulted in clinical candidates, three currently. Dr. Smith currently has his own company, DrugSmith Consulting, where he provides leadership, management and advice for research and development activities through FDA IND filing and beyond.

DINNER:

The lecture will be preceded by a reception at 5:00PM and a dinner at 6:00 PM in in Hildreth-Mirza Hall Great Room. Dinner will be buffet style, including a vegetarian option and dessert. The cost will be \$20.00 per person. Those wishing to reserve a spot for dinner should contact Linda Godfrey by email (lgodfrey@bucknell.edu) by 3 pm Friday September 6. Payment for dinner may be in advance (check to Bucknell University Chemistry Department) or at the dinner.

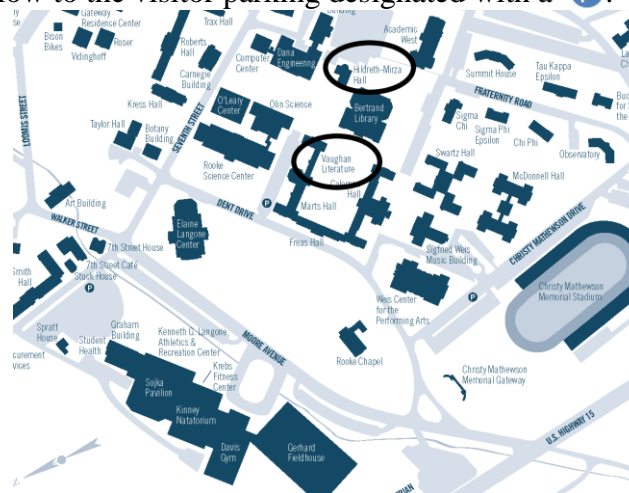
DIRECTIONS TO BUCKNELL UNIVERSITY:

East of Lewisburg: <ol style="list-style-type: none">1. Interstate 80 West to Exit 210A2. Route 15 South3. At 11th traffic light (the first light after crossing Route 45 (Market Street)), turn left onto Moore Avenue. (Look for the Bucknell Athletic Stadium on the left.)	West of Lewisburg: <ol style="list-style-type: none">1. Interstate 80 East to Exit 210A2. Route 15 South3. At 11th traffic light (the first light after crossing Route 45 (Market Street)), turn left onto Moore Avenue. (Look for the Bucknell Athletic Stadium on the left.)
South of Lewisburg: <ol style="list-style-type: none">1. Take Routes 11&15 North2. When Routes 11 & 15 split, stay on Route 15 (Tedd's Landing is on your right; KMart on your left)3. Approx. 7 miles after Selinsgrove / Shamokin Dam, you'll come to a stop light. Bucknell is on your right. (Look for the Bucknell Athletic Stadium on right.)	North of Lewisburg: <ol style="list-style-type: none">1. Take Route 15 south2. Once past Interstate 80, turn left on Moore Avenue at the 11th traffic light (the first light after crossing Route 45 (Market Street)). (Look for the Bucknell Athletic Stadium on the left.)

Once on campus: Follow the campus map below to the visitor parking designated with a P.

CAMPUS MAP

LEWISBURG, PENNSYLVANIA



Online campus maps can be found at <http://www.bucknell.edu/script/communication/map/>

SECTION NEWS:

2020 LOCAL SECTION ELECTIONS:

Nominations are due for the position of Chair-elect. If interested, please contact Dr. Ron Supkowski at ronaldsupkowski@kings.edu or 570-208-5900x5733.

2019 – 2020 LOCAL SECTION MEETING SCHEDULE:

11-Sept-2019: Bucknell University

12-Feb-2020: University of Scranton

16-Oct-2019: Wilkes University
Note this is the third Wednesday in October

18-March-2020: Susquehanna University
Note this is the third Wednesday in March

13-Nov-2019: Lycoming College

15-April-2020: Marywood University
Note this is the third Wednesday in April

Jan 2020: Executive Board Meeting

May-2020: Awards Banquet

MARM2020:

MARM 20/20



Save The Date

The 48th Mid Atlantic Regional Meeting (MARM) will be held June 12, 2020. The meeting is hosted by the New York Local Section of the American Chemical Society. Check the website, <http://marm2020.org>, for more information.

NATIONAL CHEMISTRY WEEK:



During 2019's International Year of the Periodic Table, NCW will be celebrated October 20-26, 2019 with the theme, "Marvelous Metals." The Susquehanna Valley Section is once again collecting posters for this year's event. If you know of a student in K-12 who would like to participate please contact Patrick Martino at patrick.martino@bucknell.edu. The deadline for submissions is **Wednesday, October 16**. For further details, see the [website](#).

LOCAL STEM COMPETITIONS:

We have posted a list of all STEM (Science, Technology, Engineering, Mathematics) competitions for high school students on our website:

<http://departments.kings.edu/SusquehannaValleyACS/services/STEM.html>

If you have any questions about the contests or have suggestions for others, please contact either the person indicated on the site or the section webmaster, Ron Supkowski at ronaldsupkowski@kings.edu or 570-208-5900 x5733

2019 LOCAL SECTION AWARDS:

ACS Longevity Awards

DR. ARTHUR WESTWELL	60-year member
MS. PATRICIA ANN LEVANDOSKI	60-year member
MR. RODERICK RAY MOORE	60-year member

Joseph Priestley Service Award

DR. DEE CASTEEL	Bucknell University
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David H. Frederick Memorial Awards in High School Chemistry

Exam A Winners

CHENCHEN GU	Lewisburg Area High School Teacher – Mr. Jon Bixler
SAMANTHA BRANTON	South Williamsport Jr/Sr. High School Teacher – Mr. Matthew Easley
KAILEY BRIDGEMAN	Scranton Preparatory School Teacher – Ms. Donna Barrett
JAKOB QUANBECK	Abington Heights High School Teacher – Dr. Eric Stroyan
FRANK YUSCAVAGE III	Hanover Area Jr/Sr High School Teacher – Dr. Jocelyn Holodick-Reed
JOY ZHANG	Danville Area High School Teacher – Mr. Paul Dennehy

Exam B Winners

SAMUEL DARER	Lewisburg Area High School Teacher – Mr. Jon Bixler
ERIC RESSLER	Selinsgrove Area High School Teacher – Ms. Tracy Hepner

Exam A Runners-Up

VINCENT PULK-GRIMES	Williamsport Area High School Teacher – Ms. Jennifer Flint	CELESTE ORCHARD
ASHLEY KATCHMAR	Old Forge Jr/Sr High School Teacher – Ms. Adrianna Rupprecht	ANDREW DIRIENZO
ABBIE MORGAN	Line Mountain High School Teacher – Dr. Shelley Herb	DAX PATEL
BRANDEN WHEARY	Jersey Shore Senior High School Teacher – Mr. William Ferguson	SAMANTHA EROH
ROBERT DIBERNARDO	Williamsport Area Jr/Sr High School Teacher – Mr. Chase Smith	

Exam B Runners-Up

CONOR EMERY	Mifflinburg Area High School Teacher – Mr. Matthew Wells	LAUREN LUDWIKOWSKI	Abington Heights High School Teacher – Ms. Carolyn Siwak
ERIC BAKER	Milton Area High School Teacher – Ms. Faye Hinson-Santos	DOMINIC MAGLIONE	Honesdale High School Teacher – Ms. Michelle Tonkin
KADEN FOULDS	Shikellamy High School Teacher – Ms. Yvonne Monahan	DAVID ANTOLICK	MMI Preparatory School Teacher – Ms. Melissa McHale

Chemistry Olympiad Competitors

RYAN SIEBECKER	Abington Heights High School Teacher – Ms. Carolyn Siwak
ERIC RESSLER	Selinsgrove Area High School Teacher – Ms. Tracy Hepner
JASMINE ELSASSER	Selinsgrove Area High School Teacher – Ms. Tracy Hepner
STANLEY CONKLIN	Western Wayne High School Teacher – Ms. Maria Masankay
LIAM HILL	South Williamsport Area High School Teacher – Mr. Matthew Easley
SAMUEL DARER	Lewisburg Area High School Teacher – Mr. Jonathan Bixler
KATRINA TYNAN	Reach Cyber Charter School Teacher – Ms. Sara Swidorski

College Award Winners

LAUREN BARRETT	Bloomsburg University
KIMBERLY HOLLISTER	Bucknell University
KAT TOWNSEND	King's College
TYLER SCOTT	Lycoming College
PAIGE N. ROCKWELL	Misericordia University
DAVID SCHNABLE	University of Scranton
RAMA N. KARADSHEH	Susquehanna University
KARA G. PYTKO	Wilkes University
DARREN DOLAN	

NATIONAL ACS NEWS:

ACS LEGISLATIVE ACTION NETWORK:

Legislation that may impact the chemical enterprise comes before Congress on a regular basis, and the ACS is committed to keeping its members informed and encouraging them to weigh in on high-priority issues. To see the position of the ACS on many legislative issues visit the ACS LAN website:

<https://www.acs.org/content/acs/en/policy.html>

To find out how to become more active in ACS advocacy activities, see the website:

<https://www.acs.org/content/acs/en/policy/memberadvocacy/advocacy-tools.html>

To join ACS' grassroots legislative advocacy network, ACT4CHEMISTRY, which will allow you to stay up to date on policy issues and contact legislators on behalf of chemistry and chemists, go to their website, follow the [Act4Chemistry Twitter](#) account, or email advocacy@acs.org.

Act4Chemistry Supported Legislation (click the header to take action):

[Combating Sexual Harassment in Science Act of 2019](#)

The House passed their version of this bill, while a similar bill in the Senate hasn't received a hearing yet. The bills call for research to better understand the causes and consequences of sexual harassment in STEM fields. This legislation would establish an interagency working group to coordinate federal science agency efforts to reduce sexual harassment. Please thank your Representatives for passage of H.R. 36 and urge your Senators to support S. 1067.

[Sustainable Chemistry Research and Development Act of 2019](#)

Legislation to encourage sustainable thinking from start to finish in the chemistry enterprise has been reintroduced in the House and Senate. This legislation creates an interagency panel to coordinate federal sustainable chemistry efforts, supports public-private partnerships, and boosts investment in federal research. The House recently held a legislative hearing on this bill, help us continue to build momentum by urging your legislators to cosponsor H.R. 2051 and S. 999.

[Support Solar, Wind, and Fossil Energy Research & Development Act of 2019](#)

These three pieces of legislation (H.R. 3597, the Solar Energy Research and Development Act of 2019; H.R. 3607, the Fossil Energy Research and Development Act of 2019; and H.R. 3609, the Wind Energy Research and Development Act of 2019) would support further research and development on new energy technologies, leading to improvements in solar and wind technologies and advances in emissions reduction for fossil fuels. The ACS strongly endorsed Representative Lipinski's amendment to H.R. 3597, calling for the incorporation of sustainable chemistry principles as research and development of solar energy technology continues. The ACS also strongly endorsed Representative Foster's amendment to H.R. 3607, which would prioritize research to improve isolation and separation of helium from fossil fuels. Please contact your Representatives and urge them to vote for H.R. 3597, H.R. 3607, and H.R. 3609 when they come to the floor for a vote.

JOIN THE ACS:

If you know of anyone who would benefit from being a member of the American Chemical Society, please direct them to the membership website:

<https://www.acs.org/content/acs/en/membership-and-networks/acs/join.html>

NATIONAL MEETINGS:

International Elastomer Conference

The meeting, featuring the Expo, 196th Technical Meeting & Educational Symposium will be held October 8-10, 2019 at the Huntington Convention Center of Cleveland, Ohio. See the [website](#) for more information

Spring 2020 ACS National Meeting

The 2020 spring national meeting with the theme “Macromolecular Chemistry: The Second Century” will be held in Philadelphia, PA from March 22 – 26. See the [website](#) for details. Deadline for abstract submission for most divisions is Monday, October 14.

Susquehanna Valley Section Web Page: <http://departments.kings.edu/SusquehannaValleyACS>

Please send any comments about the monthly newsletter to Ron Supkowski, Section Secretary
King's College 131 N River St Wilkes-Barre PA 18711 ronaldsupkowski@kings.edu
