



of Western New York

Double Bond

The Newsletter of the Western New York Section of the American Chemical Society

Volume 90

September 2018

2018 SCHOELLKOPF MEDAL

The Western New York Section of the
American Chemical Society
invites you to be present
at the eighty-eighth presentation of the
Jacob F. Schoellkopf Medal
to

Sriram Neelamegham

Tuesday evening, the eighteenth of September
two thousand eighteen

Cash bar with cold and hot hors d'oeuvres at six o'clock

Dinner at seven o'clock

Presentation to follow dinner

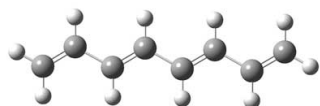
The Hotel Lafayette

391 Washington St. | Buffalo, NY 14203

Formal Dress Optional

R.S.V.P. by September 11, 2018

(further details are found on page 2)



80 YEARS AGO IN THE DOUBLE BOND

The following advert. is from the August-September,
1938 edition of the Double Bond

CHEMICALLY PREPARED PAPER
W. & R. BALSTON, LTD.
GENUINE WHATMAN
FILTER PAPER
MADE IN ENGLAND
Nº 5.

Ten Years!

For a decade the Double Bond has served its readers well.

For over two decades WHATMAN Filter papers have served Chemists on both sides of the boundary.

Look in the laboratories of Buffalo, Niagara Falls, Lackawanna, Welland, Dunkirk, talk to Chemists who control the production of alkalies, steel, chemicals, dyes, metals or the hundreds of products of the Niagara Frontier and you will find WHATMAN Filter Papers their choice for uniformity, reliability and all around effectiveness.

If you are not familiar with all the grades, send for a catalog today - it may help you to improve your work.

H. Reeve Angel & Co., Inc.
7-11 Spruce St. New York, N. Y.

WHATMAN
High Grade
FILTER PAPERS

THE 2018 JACOB F. SCHOELLKOPF MEDAL



The jury of the Jacob F. Schoellkopf Medal has selected Sriram Neelamegham, Professor in the Department of Chemical & Biological Engineering at the School of Engineering and Applied Sciences, University at Buffalo, to receive the 2018 award

...in recognition of his contributions to the systems-level analysis of cellular glycosylation, inhibition studies of leukocyte-endothelial cell adhesion, studies of shear-dependent protein structure and function changes, student mentoring and professional leadership.

Sriram Neelamegham is a Professor of Chemical & Biological Engineering, Biomedical Engineering and Medicine at the University at Buffalo, State University of New York. He received his Ph.D. in Chemical Engineering, with specialization in Bioengineering, from Rice University in 1995-96. After completing his post-doctoral training at the Baylor College of Medicine, he established his independent research laboratory at Buffalo in 1997. Prof. Neelamegham is well published with over 100 research manuscripts, book chapters and patents in diverse areas related to Chemical Engineering and Bioengineering.

He has made pioneering contributions in studies that describe the molecular mechanisms by which white blood cells (leukocytes) and platelets in human blood interact with other vascular cells in the context of human inflammatory diseases. He has also contributed to our understanding of the mechanisms by which fluid shear controls the structure of a large blood protein called von Willebrand factor. This is a critical glycoprotein that regulates the rates of thrombosis and vessel occlusion in the stenosed arterial circulation and in artificial implants. More recently, he is interested in developing and applying Systems Biology principles for the study of biosynthetic steps that regulate cellular glycosylation. In such studies,

high-throughput experimentation and mathematical modeling is performed to understand the interplay between various enzymes as they regulate glycan biosynthesis. The laboratory is focused on translating their basic science findings for human health benefit by: i. developing small molecule antagonists that target glycosylation and prevent inappropriate leukocyte adhesion at sites of inflammation, ii. designing glycoengineering strategies to target stem cells to sites where therapy is required, and iii. developing new glycan-engineered therapeutics to enhance the half-life and efficacy of human blood proteins.

Prof. Neelamegham is a recipient of the NIH Independent Scientist award, 2015 State University of New York Chancellor's Award for Excellence in Scholarship and Creative Activities, 2018 Schoellkopf medal from the Western New York American Chemical Society and is an Elected Fellow of the American Institute of Biological and Medical Engineering (AIMBE, 2012). He has served on NIH advisory panels, editorial boards of various journals and is currently the lead facilitator developing the Symbol Nomenclature for Glycans (SNFG) at the NCBI-glycans resource.

2018 Jacob F. Schoellkopf Award Dinner

For reservations, please call
Alice Steltermann at the Canisius College
Department of Chemistry & Biochemistry
(716) 888-2340

Dinner Selections:

Prime Rib with au jus

Chargrilled Chicken Breast with red peppers, spinach, & provolone

Cheese Tortellini with sundried tomato cream sauce

Vegan Tofu Pepper

Wine served with meal

\$40.00 per person (\$20.00 per student)

Name: _____

Guest Name(s): _____

Number of Prime Rib _____

Number of Chargrilled Chicken _____

Number of Cheese Tortellini _____

Number of Vegan Tofu Pepper _____

Amount \$ _____

WNYACS Section Chair 2018

Luis Sanchez
Niagara University
(716) 286-8252
lsanchez@mail.niagara.edu

Chair Elect 2018

Timothy Cook
University at Buffalo, SUNY
(716) 645-4327
trcook@buffalo.edu

Vice-Chair 2018

Ekin Atilla
University at Buffalo, SUNY
(716) 645-4130
ekinatil@buffalo.edu

Secretary 2017-2018

Christopher Patridge
D'Youville College
(716) 829-8096
patridge@dyc.edu

Treasurer 2018-2019

Robert Stewart
Honeywell
(716) 827-6842
robert.stewart@honeywell.com

Councilor 2017-2019

Peter Schaber
Canisius College
(716) 888-2351
schaber@canisius.edu

Councilor 2016-2018

David Nalewajek
Honeywell
(716) 827-6303
david.nalewajek@honeywell.com

Member-at-Large 2018-2019

Dominic Ventura
D'Youville College
(716) 829-7545
venturad@dyc.edu

Newsletter Editor

Timothy Gregg
Canisius College
(716) 888-2259
greggt@canisius.edu

Newsletter Assistant Editor

Alice Steltermann
Canisius College
(716) 888-2340
stelster@canisius.edu

Schoellkopf Award Chair 2018

Timothy Gregg
Canisius College
(716) 888-2259
greggt@canisius.edu

Education Committee**Co-Chairs**

Sarah Evans
Canisius College
(716) 888-2342
evans51@canisius.edu

Valerie Frerichs
University at Buffalo, SUNY
(716) 645-4135
zuccari@buffalo.edu

Chemistry Olympiad

Mariusz Kozik
Canisius College
(716) 888-2337
kozik@canisius.edu

National Chemistry Week

David Nalewajek
Honeywell
(716) 827-6303
david.nalewajek@honeywell.com

Senior Chemists

Joseph Bieron
Canisius College
(716) 888-2357
bieron@canisius.edu

Member-at-Large 2017-2018

Sarah Evans
Canisius College
(716) 888-2342
evans51@canisius.edu

Member-at-Large 2018-2019

Lindsay Rose
Niagara County Community College
(716) 614-6866
lrose@niagaracc.suny.edu

Younger Chemists Committee

Jeremy Steinbacher
Canisius College
(716) 888-2343
steinbaj@canisius.edu

The Western New York Section of the American Chemical Society (ACS) and its editors assume no responsibility for the statements and opinions advanced by the contributors. Views expressed in the editorials are those of the authors and do not necessarily represent the official position of the Western New York Section of the American Chemical Society. All materials to appear in the next issue of *Double Bond* must be received by the editor, in care of the Dept. of Chemistry and Biochemistry, Canisius College, 2001 Main Street, Buffalo, New York 14208, by the FIRST day of the month. Notice for change of address or email should be made through **ACS Member and Subscriber Services** at (800) 333-9511, <mailto:service@acs.org> or via the website: www.acs.org/content/acs/en/help.html.

The NF=B Double Bond (aka *Double Bond*) is published from September through June by the WNY Local Section of the ACS. Contact information is at our website: <http://wny.sites.acs.org>. Member subscriptions are included in annual National ACS dues. Permission to reprint is granted for this publication.