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)
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

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

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

Newsletter Assistant Editor
Alice Steltermann
Canisius College
(716) 888-2340
stelter@canisius.edu