



SoFlacs



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South Florida Section ACS – 25th Anniversary

April 2016

Section Meeting

CHEMISTRY OF NEUROLOGICAL DISORDERS

Dr. Rajeev Prabhakar

University of Miami, Department of Chemistry

Aggregation is a basic property of polypeptide chains and currently more than 20 proteins are known to form amyloid-like fibrils. This process is associated with several life threatening neurological disorders such as Alzheimer's disease (AD), Parkinson's disease, Huntington's disease, mad cow disease and type II diabetes. For instance, the aggregation of 40-42 amino acid residues containing amyloid beta ($A\beta$) peptides has been implicated as a root cause of AD. As the human population continues to age and the numbers affected by AD soar, the need for therapies that



5:30 PM, Friday, March 18
Nova Southeastern University
Terry/Assembly Building, hall 2101
3200 South University Drive, Ft. Lauderdale
alter the disease progression becomes even more urgent. The current potential therapeutic strategies for AD include the *inhibition of $A\beta$ production, stimulation of $A\beta$ degradation and prevention of $A\beta$ aggregation*. We have employed a plethora of computational techniques to investigate these processes. The results obtained from our studies will provide an atomic level understanding of the chemical processes occurring in AD and their outcomes will advance scientific efforts to develop effective therapeutic strategies for the treatment of this disease.

Chemical Sciences Symposium

Saturday, April 2, 2016, 8:30 AM to 4:00 PM

Nova Southeastern University
Terry/Assembly Building, Hull Auditorium
3200 South University Drive, Ft. Lauderdale

Theme: Vitamin B Coenzymes and Clinical Relevance

Program details at: www.soflacs.org

Call for Abstracts

Cash prizes for best student presentations

High school, undergraduate and graduate students are encouraged to present posters on their research (does not have to be related to the symposium theme)

Abstract Instructions:

1. Word Count Limit: 350
2. Format: Microsoft Word, Times New Roman, font size 12
3. Submission deadline: Monday, March 21
4. Poster standard size 36" x 48"
5. Mode of Submission: email attachment to venk@nova.edu
6. For questions please contact: Dr. K.V. Venkatachalam
(Dr. Venk): venk@nova.edu

SoFL-ACS AWARDS BANQUET 25th ANNIVERSARY CELEBRATION

Saturday, April 30
11:00 AM Reception and Poster Session
Noon Luncheon and Awards

Wolfe Student Center, 2nd floor ballroom,
FIU Biscayne Bay Campus
3000 N.E. 151st Street, North Miami

Cost: \$30.00 ACS members & guests; \$15.00 Students
Send reservation form with check payable to SoFL-ACS
by Monday, April 25 to:

Ms. Zaida Morales-Martinez
13239 SW 85th Ter., Miami, FL 33183
305 386-3206, moralesz@fiu.edu

Name _____

Address _____

School if
a student _____

Number of reservations: _____ @ \$30.00 = \$ _____

_____ @ \$15.00 = \$ _____

Total enclosed \$ _____

CONGRATULATIONS TO:

The following persons have achieved the remarkable milestone of 50 or 60 years of ACS membership and will be honored at the awards banquet:

60-Year Members

Dr. Cecil M. Criss.....Coral Gables
Dr. Leo J. Duffy.....Punta Gorda
Dr. Thomas A. Manuel.....Bonita Springs
Mr. Kevin J. O'Leary.....Palm City
Dr. Louis C. Pizzini.....Fort Myers
Mr. Murray K. Prester.....Palm Beach Gardens
Dr. Norma D. Searle.....Deerfield Beach
Ms. Doris H. Waddell.....Port St. Lucie
Dr. Gerald W. Wallace.....Naples

50-Year Members

Dr. Jesse H. Bidanset.....Miami
Mr. Miguel A. Coello.....Port St. Lucie
Dr. George H. Fisher.....Miami Shores
Mr. James R. Gambale.....Stuart
Dr. Gerard L. Hasenhuettl.....Port St. Lucie
Dr. William L. Purcell.....Miami
Dr. David R. Rea.....Estero
Dr. Martin B. Sherwin.....Boca Raton
Ms. Marilyn Strauss.....Pinecrest

SUMMER 2015 SEED SCHOLARS

During the summer of 2015 eight high school students participated in research at FIU and U. of Miami with support from the ACS Project SEED (Summer Educational Experience for Disadvantaged students). Marsha Edwards, SEED II, worked with Dr. John Berry at FIU.

Kyle Hippalyte-Wade, SEED II, worked with Dr. Marc Knecht, U. M.

Fallon Emmanuel, SEED I, worked with Dr. Amy Scott, U. M.

William Gilmore, SEED I, worked with Dr. Adam Braunschweig, U.M.

Arian Mansur and Samar Shaquor, SEED I, worked with Dr. Rajeev Prabhakar, U. M.

Gabriel Muro, SEED I, worked with Dr. Francisco Remo, U. M.

Najsha Sweeting, SEED I, worked with Dr. Roger Leblanc, U. M.

ACS SCHOLARS FROM SOUTH FLORIDA

Since 1995 the ACS Scholars Program has awarded over \$17 million in direct scholarships to more than 2840 underrepresented students in the chemical sciences with excellent academic records and financial need. The hallmark of the program is that it strives to find a mentor for each Scholar, coordinated by our own Zaida Morales-Martinez (Mama Z). As a result, the program retains 80% of the students entering it. It is clear that the ACS Scholars Program has had a major role in literally transforming the face of chemical education. To date, over 1500 students have graduated with a bachelor's degree in a chemical science. Of those students, 42% have gone on to graduate school, 35% have entered the chemical science workforce and 251 have obtained a PhD degree with over 200 are currently enrolled in PhD programs. The following students from the South Florida Section are current ACS Scholars for their studies of chemistry or chemically related sciences at their respective universities.

Congratulations to:

Daniel Amat	Chemistry	University of Miami
Robert Arnott	Chemistry	MIT
Samantha Baste	Biochemistry	Univ. of Chicago
Emily Brown	Chemistry & Physics	Columbia University
Ayomide Fatunde	Chemical Engineering	MIT
Julian Garcia	Chemistry	University of Florida
Mario Gaviria	Chemistry	Pamona College
Carmen Gil	Chemical Engineering	University of Florida
Daniel Guberek	Chemical Engineering	MIT
Caridad Infante	Biochemistry	University of Florida
Courtney Johnson	Chemical Engineering	Northeastern Univ.
Netgie Laguerre	Chemistry	Calif. Inst. Tech.
Joseph Paredes	Chemistry	University of Florida
Monique Peyreau	Biochemistry	Boston University
Adriana Sanchez Rios	Biochemistry	Fla. Gulf Coast Univ
Manuel Sanchez Zayas	Chemistry & Physics	Fla. Gulf Coast Univ
Paloma Tuttle	Chemistry	Florida Int'l Univ.
Johnathan Urrea	Chemistry	Florida Int'l Univ.
Salomon Vainstein	Chemical Engineering	Johns Hopkins Univ.
Jose Velilla	Biochemistry	University of Florida
Anahi Vivar	Forensic Chemistry	Univ. of New Haven
Gabriel Zapata	Chemical Engineering	University of Florida

2016 SoFL-ACS Officers

Chair: John Reilly, Florida Gulf Coast University, Ft. Myers, 219-590-7200, FAX 239- 590-7200, johnreilly@fgcu.edu

Chair-Elect: Jesse Bernstein, Miami Country Day School, 601 NE 107 St., Miami, FL 33161, 305-779-7260, bernsteinj@miamicountryday.org

Past Chair:: K.V. Venkatachalam (Venk), Department of Biochemistry, College of Medical Sciences and College of Osteopathic Medicine, Nova Southeastern University, Ft. Lauderdale, FL 33328, 954-262-1870, FAX 954-262-1802, venk@nova.edu

Secretary: Milagros Delgado, Department of Chemistry, FIU Biscayne Bay Campus, AC1-382A, 3000 NE 151st Street, North Miami, FL 33181, 305-919-5966; delgadom@fiu.edu

Treasurer: Leonard Keller, Department of Chemistry & Biochemistry, FIU, 12000 SW 8th St. Miami, FL 33199, (305) 348-3081; kellerl@fiu.edu

National Councilors: Zaida Morales-Martinez (2018), 305-386-3206, moralesz@fiu.edu;

Milagros Delgado (2016), FIU, 305-919-5966, delgadom@fiu.edu; George Fisher (2016), Barry University, 305-899-3430, gfisher@barry.edu.

Alternate Councilors: Vic Shanbhag (2015), Nova Southeastern University, 954-262-8331, shanbhag@nova.edu;

Dimitri Tamalis (2016), Florida Memorial University, 305-626-0267, dimitri.tamalis@fmuniv.edu;

Lisa V. Milenkovic (2016), Broward County Public Schools, 754-321-2620, lisa.milenkovic@browardschools.com.

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CIRCULATION: Send post office form 3579 to Circulation Dept. SoFlacs, c/o George Fisher, Department of Chemistry, Barry University, 11300 N.E. 2nd Ave., Miami Shores, FL 33161.

SoFL-ACS web site: <http://www.soflacs.org>

National ACS web site: <http://www.acs.org>



AMERICAN CHEMICAL SOCIETY

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