



**Program**

**TAU-NYU Symposium**

**New Horizons in Chemistry: From Fundamentals to Applications**

**February 4-6, 2018**

**Tel Aviv University,**

**Raymond & Beverly Sackler Faculty of Exact Sciences,  
Kaplun building, Auditorium 118**

**Organizers:**

**Tamar Schlick** NYU, [schlick@nyu.edu](mailto:schlick@nyu.edu), 917-592-9979

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**Sponsored by:**

**Tel Aviv University: School of Chemistry; Raymond and Beverly Sackler Faculty of Exact Sciences; Office of the Vice President; Raymond and Beverly Sackler Inst. of Chemical Physics; Ratner Inst. for Single Molecule Chemistry; Center for Physics and Chemistry of Living Systems**

**New York University: NYU Global Research Initiatives, Office of the Provost; Dep. of Chemistry; NYU Tel Aviv; NYU MRSEC**

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Please Note: All talk slots include a 5-minute question and answer period.  
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## **Sunday morning, February 4<sup>th</sup>**

Raymond & Beverly Sackler Faculty of Exact Sciences, Kaplun bldg, Auditorium 118

9:50 Taxis from Tal Hotel (HaYarkon St 287, Tel Aviv-Yafo) to TAU

10:00- 10:30 Registration and refreshments

*Chair: Tamar Schlick*

10:30-10:45 Opening remarks: Prof. Raanan Rein, TAU Vice President

10:45-11:15 Gil Markovich (TAU), Amplification of chirality in lanthanide phosphate nanocrystals

11:15-11:45 Mike Ward (NYU), Stopping pathological crystallization through molecular design: therapies for kidney stone prevention

11:45-12:05 Coffee Break

12:05-12:35 Doron Shabat (TAU), Unlocking the potential of chemiluminescence in water

12:35-13:05 Stefano Sacanna (NYU), Patchy particles made by colloidal fusion

13:05 -14:00 Lunch

14:00 Bus from TAU to Old Jaffa

14:30 Excursion: A 3.5-hour historical walking tour in old Jaffa, guided by Prof. Israel Scheck (TAU)  
(Rain plan: Tel Aviv Museum of Art)

18:00 Bus to 'Bellini' Restaurant in Neve Tzedek

18:15 Conference Dinner in Bellini, Yechieli 6, Suzanne Dellal Center, Neve Tzedek, Tel Aviv

20:00 Taxis to Tal Hotel

## **Monday morning, February 5<sup>th</sup>**

Raymond & Beverly Sackler Faculty of Exact Sciences, Kaplun bldg, Auditorium 118

9:50 Taxis from Tal Hotel (HaYarkon St 287, Tel Aviv-Yafo) to TAU

10:00- 10:30 Refreshments

*Chair: Michael Urbakh*

10:30-11:00 Micha Fridman (TAU), Small-molecule mediated inhibition of fungal membrane assembly

11:00-11:30 Keith Woerpel (NYU), Stereoelectronic effects, reactivity, and stereoselectivity of reactions of carbon electrophiles

11:30-12:00 Moshe Kol (TAU), Ring opening polymerization: new catalysts lead to new polymeric architectures

12:00-12:20 Coffee Break

12:20-12:50 Tianning Diao (NYU), Ni-catalyzed functionalization of alkenes: method development and mechanisms

12:50-13:20 Amit Sitt (TAU), Polymeric fibers as micro-reactors

13:30 Bus from TAU to NYU Tel Aviv

## **Monday afternoon, February 5<sup>th</sup>**

NYU Tel Aviv, 17 Brandeis Street, Tel Aviv

14:00-15:30 Lunch at NYU Tel Aviv, meet NYU TA faculty and staff

*Chair: Tamar Schlick*

15:30-16:10 Irit Sagi (WIS), Chemical biology for medicine: new approaches for utilizing protease enzymes for therapeutic applications

16:10-16:30 Assaf Friedler (HUJI and NYU Tel Aviv), New avenues for anti-cancer drugs: exploiting disordered proteins to develop anti-cancer leads

*Chair: Michael Urbakh*

16:30-17:10 Israel Scheck (TAU), A way to the state of Israel

19:30 NYU's President's reception at DAN Tel Aviv hotel, 99 HaYarkon Street

## **Tuesday morning, February 6<sup>th</sup>**

Raymond & Beverly Sackler Faculty of Exact Sciences, Kaplun bldg, Auditorium 118

9:05 Taxis from Tal Hotel (HaYarkon St 287, Tel Aviv-Yafo) to TAU

9:15- 9:45 Refreshments

*Chair: Michael Urbakh*

09:45-10:00 Joseph Klafter (TAU President)

10:00-10:30 Shlomi Reuveni (TAU), Feller's paradox and the ever-fluctuating enzyme

10:30-11:00 James Canary (NYU), Reconfigurable molecules and molecular assemblies

11:00-11:20 Coffee Break

*Chair: Tamar Schlick*

11:20-11:50 Andy Hamilton (NYU President), Synthetic mimics of protein structure and function

11:50-12:20 Yoram Cohen (TAU), Recent applications of water soluble pillar[n]arenes

12:20-12:50 Alexei Jerschow (NYU), Nondestructive microscopy of batteries and battery materials by MRI

12:50-13:00 Closing remarks: Michael Urbakh & Tamar Schlick

13:00-14:30 Lunch

14:30 Taxis from TAU to Tal Hotel