



**NOVA SOUTHEASTERN
UNIVERSITY**
Trans-MEC Research Symposium

South Florida

**Translational Medicine, Engineering, and Computing (Trans-MEC)
Research Symposium**

Theme: “Multi-disciplinary, bench-to-bedside, highly collaborative, and computational intensive research”

Where: Nova Southeastern University – Knights Auditorium - DeSantis Building

When: Thursday: March 9, 2017 – 8:30am to 2:00pm

Co-Chairs:

Richard Jove, Ph.D.
Director, [Cell Therapy Institute](#)
Distinguished Research Professor
Nova Southeastern University

Yair Levy, Ph.D.
Professor of Information Systems and
Cybersecurity
Head, [Levy CyLab](#)
College of Engineering and Computing
Nova Southeastern University

Topics:

- Translational medicine
- Cell therapy
- Optimal Treatment Courses for Complex Chronic Illnesses
- Biomedical engineering
- Computational modeling and simulation analysis of bioreactors and its implications in engineered tissue formation
- Systems Biology
- Neuro-Immune Medicine
- Artificial Intelligence Applied to Biomedical Research
- Computational translational medical research
- Computational biochemistry
- Cybersecurity and social engineering
- Medical device security
- Molecular Biology and Genomics to Understanding the Deep Sea and Marine Organisms
- Clinical systems biology
- Network security
- Immunotherapy and cancer research
- Big-data and interpretation of big data in medical research

Schedule:

8:30am - 9:00am -	Arrival, registration, and breakfast	
9:00am - 9:10am -	Dean Dr. Yong Tao	College of Engineering and Computing (CEC) - Welcoming note
9:10am - 9:20am -	Dr. Richard Jove	Cell Therapy Institute - Welcoming note
9:20am - 9:40am -	Dr. Vladimir Beljanski	Stem cell based therapy for advanced cardiovascular diseases
9:40am - 10:00am -	Dr. Shannon Murray	Reversal of tumor induced immune suppression for cancer therapy
10:00am - 10:20am -	Coffee break	
10:20am - 10:40am -	Dr. Adil Duru	Genetically modified immune cells for cancer immunotherapy
10:40am - 11:00am -	Dr. Manuel Salinas	Computational modeling and simulation analysis of bioreactors and its implications in engineered tissue formation
11:00am - 11:30am -	Dr. Travis Craddock	Harnessing Multi-system Regulation to Identify Optimal Treatment Courses for Complex Chronic Illnesses
11:30am - 11:50am -	Dr. Wei Li	Artificial Intelligence Applied to Biomedical Research and Network Security
12:00pm - 1:00pm -	Lunch (provided)	
1:00pm - 1:20pm -	Dr. Yair Levy	Cybersecurity and Social Engineering
1:20pm - 1:40pm -	Dr. Joe Lopez	Applying Molecular Biology and Genomics to Understanding the Deep Sea and Marine Organisms
1:40pm - 1:50pm -	Dr. Yair Levy	Concluding remarks