

# "Chemistry Mall" Scientific School

## Program of the School of Science "CheM-2024"

"CheM-2024" School of Science - 06.06.2024

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9:30-10:00 YSU main building, 5th floor, meeting hall of the Scientific Council  
**Registration**

10:00-10:15 **Opening Ceremony**  
Chair Prof. Narine Durgaryan

10:20-11:10 **Development of Novel Synthetic Methodologies**  
**Vladimir Gevorgyan**  
Professor  
University of Texas at Dallas, Richardson, TX, USA

11:10-12:00 **Adaptive dynamic photocatalysis**  
**Valentine Ananikov**  
Professor  
Zelinsky Institute of Organic Chemistry, Moscow, Russia

12:00-12:30 **Coffee Break**  
Chair Dr. Anna Mkrtchyan

12:30-13:20 **Design and synthesis of phenanthroline diamides for separation of f-elements**  
**Valentine Nenajdenko**  
Professor  
Moscow State University, Russia

13:20-14:10 **A Tale of Two Phases: Reactions at the Liquid-Liquid Interfaces**  
**Valery Fokin**  
Professor  
University of Southern California, Los Angeles, CA, USA

15:00-15:30 **lunch**  
Chair Dr. Liana Gabrelyan

14:50-15:40 **Taming molecules: how and why chemists create rings made out of atoms?**  
**Igor Alabugin**

Professor

Florida State University Tallahassee, FL, USA

15:40-16:30 **New insight from chemical imaging**

**Sergey Kazarian**

Professor

Imperial College London, UK

16:30-16:40 **Break**

Chair Dr. Gohar Shahinyan

16:40-17:10 **Merck best practices of scientific insights deployment**

**Pavel Myagkov**

Key Account Manager Pharma and Biotech (Russia, Armenia, Belarus)

«Merck»

17:10-17:30 **Handheld XRF and Raman instruments different applications**

**Aleksandr Yusev**

Agent CCSservice

«Thermo fisher scientific», Switzerland

17:30-18:00 Exhibition of analytical equipment

«Immunopharm» and «Concern-Energomash»

## "CheM-2024" School of Science - 07.06.2024

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9:30-10:00 STCOPC, Azatutyan Ave. 26, Conference Hall

**Registration**

Chair Dr. Varduhi Hovsepyan

10:00-10:50 **Evolution of Methodology for Catalytic Asymmetric Crotylation of Carbonyl Compounds**

**Andrei Malkov**

Professor

Loughborough University, UK

10:50-11:40 **Entropy-enthalpy compensation in chemistry**

**Andrei Yudin**

Professor

University of Toronto, Toronto, Canada

11:40-12:10

**Coffee Break**

12:10-13:10

**Excursion in Scientific and Technological Center of Organic and Pharmaceutical Chemistry**

**Deputy Director of the STCOPC Dr. Robert Hakobyan**

Chair Dr. Astghik Shahkhatuni

13:10-14:00

**Photochemistry at oil-water interfaces**

**Burkhard König**

Professor

Universitaet Regensburg, Germany

14:00-14:50

**Tuning cell membranes and amyloids properties via ionic liquids: A chemical-physical study using atomic force microscopy, neutron scattering, and computer simulations**

**Antonio Benedetto**

Professor

University College Dublin, Ireland & University Roma Tre, Italy

15:00-15:40

**lunch**

15:40-16:20

**Quiz "What did you learn?"**

**Sona Buloyan**

Dr.

16:20-16:50

**Round table - active discussions**

16:50-17:10

**Closing Ceremony**

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