



Lodz University of Technology



Lodz, May 2015

**Program of the 70th anniversary celebration of the Lodz University of Technology
and Polish Fulbright Alumni Association meeting
22 May 2015**

*Sołtan auditorium, B. Stefanowskiego 1/15 street
(second entrance: Żeromskiego 116 street), Lodz, Poland (see the map below)*

- 12.15-12.40 Welcoming the guests by the Rector of the Lodz University of Technology.
- 12.40-13.00 Speech of Guests of Honor.
- 13.00-13.30 The awarding ceremony of the honorary degree of doctor honoris upon professor Arieh Warshel, Nobel Laureate in Chemistry 2013.
- 13.30-13.40 Presentation of Rector's awards.
- 13.40-14.30 Lunch break.

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14.30-14.55 Fulbright session *WHEN DOES NOBEL PRIZE GO TO POLAND?*

- 14.30-14.35 Welcoming the guests by the President of Polish Fulbright Alumni Association prof. H. Abramczyk and the representative of the Polish-U.S. Fulbright Commission: Acting Executive Director and Management Board Member Mrs. Aleksandra Pawłowska.
- 14.35-14.45 “*What can we do to get Nobel Prizes?*” professor Jerzy Duszyński, President of the Polish Academy of Sciences.
- 14.45-14.55 “*Nobel Prize Winners with Polish Roots/Origins*” professor Jacek Żak, Head of the Department of Logistics, Poznan University of Technology.

14.55 – 15.15 Fulbright seminar *MOLECULAR IMAGING (Raman, fluorescence, SNOM, AFM, TERS)*

14.55-15.05 “*Molecular Imaging of Atherosclerosis of Improving Diagnostic and Therapeutic Developmant*” professor Małgorzata Barańska, Jagiellonian University, Faculty of Chemistry, Raman Imaging Group.

15.05-15.15 “*Hope and Innovative Cancer Diagnostics by Raman Spectroscopy and Raman Imaging*” professor Halina Abramczyk, Lodz University of Technology, Faculty of Chemistry, Laboratory of Laser Molecular Spectroscopy.

Laboratory of Laser Molecular Spectroscopy, Lodz University of Technology, Wroblewskiego 15 street, Lodz, Poland (see the map below)

15.45-17.00 visit in Laboratory of Laser Molecular Spectroscopy



This Fulbright seminar will explore cutting edge molecular (Raman, fluorescence, SNOM, AFM, TERS) mapping of cellular structures of cancers, localization of drugs, nanoparticles in cells, tissues, and pharmaceutical tablets.

- This meeting will explore a variety of cutting edge research tools that are critical to our understanding of cell signaling and cellular structures in a wide range of biological systems. Due to the multidisciplinary nature of such studies, we encourage participation of a diverse range of researchers with interests that span the biological, chemical, and physical sciences.
- Understanding how nanomaterials interact with cells and tissue requires seeing and quantifying the interactions between the two. This is true whether you are developing nanoparticles as drug delivery vectors, using them as anti-microbial agents, or understanding their potential toxicity.

This Fulbright seminar will provide insight regarding Raman Hyperspectral Microscopy technique and its ability to enable rapid optical observation and spectral confirmation of unlabeled biomolecules, drugs, and nanomaterials as they interact with cells and tissue. The main focus will be on the integration of near field microscopy and hyperspectral Raman imaging technology to spectrally detect, locate and characterize unlabeled nanomaterials interacting with cells and tissue.

Join us for this Fulbright seminar and we will give you a sufficient overview to assess the value of this exciting new tool. Please feel free to forward this invitation to any other parties you feel may be interested.

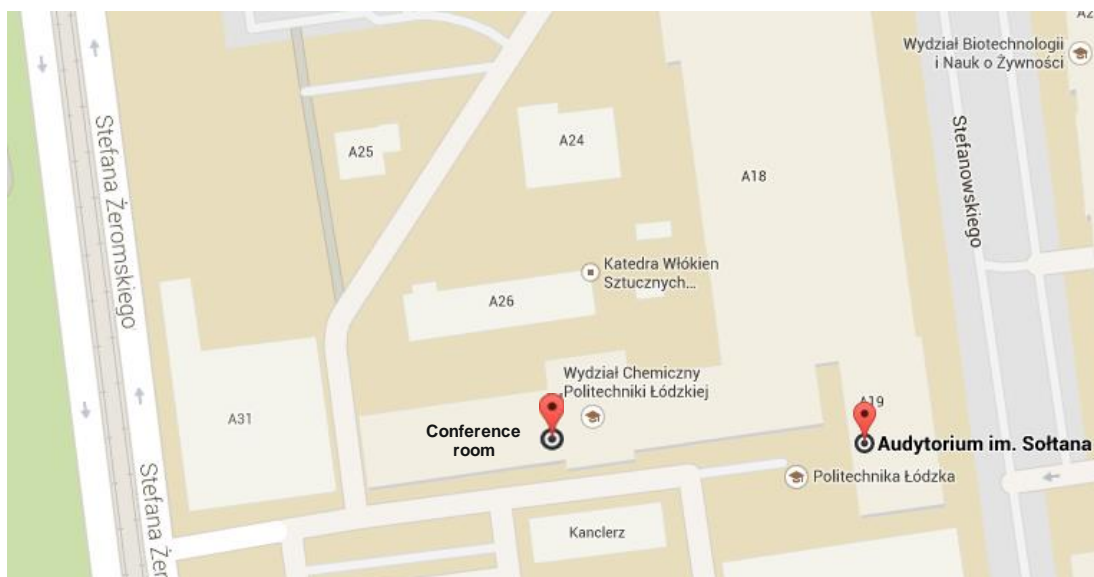
REGISTRATION: please fill the registration form and submit to dr B.Brożek-Płuska
beata.brozek-pluska@p.lodz.pl

President of the Polish Fulbright Alumni Association Board.



professor Halina Abramczyk

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<https://www.google.pl/maps/>*



Laboratory of Laser Molecular Spectroscopy, Lodz University of Technology, Wróblewskiego 15 street, Lodz, Poland, building C2
<https://www.google.pl/maps/>

