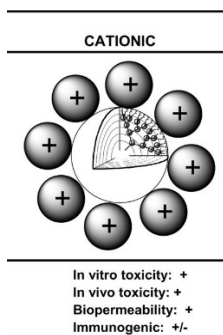


Dissemination through teaching

Part I: INSIGHTS IN HEMATOONCOLOGY by Dr. Ida Franiak-Pietryga

- ✓ Gene expression profiling, microarrays - state of the art and their applications in hematooncology.
- ✓ Chronic Lymphocytic Leukemia (CLL)
- ✓ Apoptosis, signaling pathways

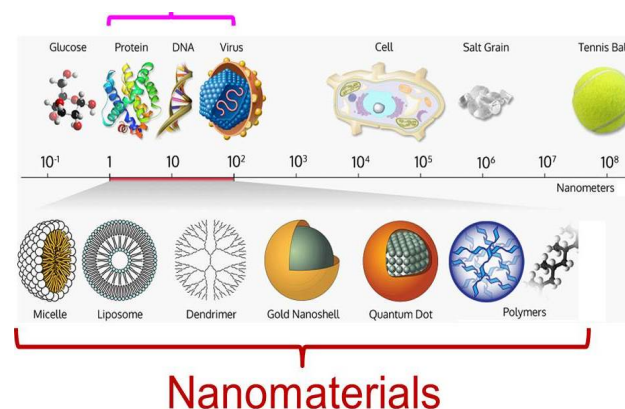


Part II: CHARACTERIZATION OF NANOPARTICLES BY ZETA POTENTIAL AND SIZE MEASUREMENTS by Dr. Elżbieta Pędziwiatr-Werbicka

- ✓ Colloidal stability and DVLO theory.
- ✓ Brownian motion and light scattering theories.
- ✓ Applications of zeta potential and size measurements for nanoparticles characterization.

Lecture course in Applied Biophysics by Lodz University

Rīga Stradiņš University, Riga,
May 27, 2016



Part III: BASICS OF FLUORESCENCE AND PHOSPHORESCENCE AND THEIR APPLICATIONS FOR GENE DELIVERY SYSTEMS by Dr. Dzmitry Shcharbin

- ✓ Physical principles of fluorescence and phosphorescence
- ✓ Anisotropy. Quenching. Steady-state fluorescence and phosphorescence.
- ✓ Applications of fluorescence and phosphorescence for gene delivery systems.



Dissemination through teaching

- ✓ **Joint supervision of Master Thesis February-September 2017 of Erasmus student with Prof Marion Schneider, Ulm University, Germany.**
- ✓ **M. Issagouliantis. Lecturing on DNA vaccines, Science Circle in Molecular Medicine, Ulm University, Germany, October 10, 2017 (invited)**
- ✓ **Lecturing at EAVI2020 course in animal models and vaccination, IDMIT – CEA, Paris, April 8-11, 2018 (invited)**



Philip Podschwadt “DNA vaccination against experimental cancer” Master Defense in Ulm, November 14, 2017.

Medizinische Fakultät  ulm university universität **uulm**

Science circle Molekulare Medizin

Speaker:
Maria Issagouliantis,
PhD, Docent and Leading
Researcher

Department of Research, Riga
Stradins University
and
Department of Microbiology,
Tumor and Cell Biology,
Karolinska Institute Stockholm

Wann: 14.11.2017
17:00 Uhr
Wo: Hörsaal 8 - N25
Vol. 13

- Stefan Petkov (Karolinska Institutet) “In vivo imaging in preclinical trials of genetic vaccines”
- Maria Issagouliantis (Riga Stradins University) “Tumor model for HIV-1 challenge in mice ”



*Fifth course on animal models and vaccination
April 8-11 2018, IDMIT – CEA, Paris*

Tumor model for HIV-1 challenge in mice

Maria Isagouliantis

Riga Stradins University, and Karolinska Institutet