



N.M.EMANUEL INSTITUTE OF
BIOCHEMICAL PHYSICS,
RUSSIAN ACADEMY OF SCIENCES

4, Kosygin St., Moscow, 119991

+7 (499) 137 64 20

+7 (495) 137 41 01

: Address

: Telephone

: Fax

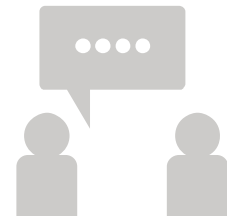


E-mail:

seren@sky.chph.ras.ru

WebSite:

<http://ibcp.chph.ras.ru/>



ORGANIZATION ACTIVITY TYPE

- Government
- Academic / Higher Education

BRIEF DESCRIPTION OF THE ORGANIZATION

The Institute was created in 1994 and is focusing on developing fundamental research of physical matter of chemical processes in biological and molecular-organized chemical systems.

SPECIFIC EXPERTISE/CORE TECHNOLOGIES

- Research of kinetics and molecular mechanisms of chemical and biochemical reactions, the development of kinetic models of complex biochemical processes.
- Research of chemical basis of biological catalysis and catalytic processes in molecular-organized systems;
- Chemical research of free radical processes in biosystems;
- Structure and function research of biomacromolecules and physical active compounds by modern physical methods; quantum physical research of molecules, permolecular structures, processes with biomacromolecules, information technologies in chemistry and biology;
- Research of quantitative basis of physical and chemical processes biopolymers, polymer composites and nano-materials;
- Research in the field of chemical physics of sensor and neurochemical systems

EXPERT I



Anna Victorovna Kuznetsova

IBCP senior researcher, PhD.

Research area: information technologies in biology and medicine.

Email: azfor@narod.ru

KEY WORDS ON CORE COMPETENCIES

Research of kinetics and molecular mechanisms of chemical and biochemical reactions, information technologies in chemistry and biology

ORGANIZATION CONNECTION TO THE H2020 RESEARCH OBJECTIVES

Topics-areas	Of interest	Worked Before	Capable in this area
ICT in 'Leadership in Enabling and Industrial Technologies'			
<i>Future Internet</i>			

Collective Awareness Platforms for Sustainability and Social Innovation	<input checked="" type="checkbox"/>		
<i>Content technologies and information management</i>			
Big data - research	<input checked="" type="checkbox"/>		
ICT in 'Societal challenges'			
<i>SC1: Health, demographic change and wellbeing</i>			
<i>Advancing active and healthy ageing</i>			
Advancing active and healthy ageing with ICT: ICT solutions for independent living with cognitive impairment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Advancing active and healthy ageing with ICT: Early risk detection and intervention Integrated, sustainable, citizen-center care	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Self-management of health and disease and decision support systems based on predictive computer modeling used by the patient him or herself	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Improving health information, data exploitation and providing an evidence base for health policies and Regulation</i>			
Digital representation of health data to improve disease diagnosis and treatment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>