



PROMOTING RESPONSIBLE SCIENCE

WEBINAR SERIES, 29TH OF JUNE

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ISSUES OF RESEARCH ETHICS

Research ethics is based on:

- scientific integrity,
- protection of human and research subjects
- social responsibility

Social and ethical responsibilities of scientists:



Matter of RCR education and communication with society

THE TOPICS PROPOSED

- What are the wider impacts of the area of research that you are working on?
- How do you see the issues of responsible science relating to your work?
- Were there any additional topics that could have been covered in this online seminar series and why would it have been useful to cover them?
- Is there anything that the seminar team could do that would be useful to promote thinking about responsible science in the work of you and your colleagues?

THE WIDER IMPACT OF IMMUNOLOGY/MICROBIOLOGY FIELD

Microbiology – certainly is the field of science that implies the responsibility of researcher

- Pathogens – virulence, toxicity and invasiveness → infectious disease
- Spontaneous appearance vs biotechnology → bioweapon

Creation of bioweapon is complicated process, but it is great way to use the diversity of nature against the humanity.

Microbiology is classical examples of dual use research

Immunity – the tool against infectious agents.

Immunology – the field of science that usually arouses positive thoughts, but in case of unconscientious usage easily can be used for damage.

RESPONSIBLE SCIENCE ISSUES RELATING THE FIELD OF MICROBIOLOGY/IMMUNOLOGY

What we have on table:

- SOP/Biosecurity and Biosafety Protocols
- Trainings and seminars
- Very general state law on bioethics
- Some curricular activities within HEI

What we lack:

- No state legal frame on research ethics including issues of responsible science, RCR
- Research ethic statement including issues RCR for single HEI and research centers according to their research mainstream
- Awareness raising (case examples) especially among basic scientists
- Education in research ethics: dual use research, moral, ethical, physical and social responsibilities

ADDITIONAL TOPICS AND PROMOTING THINKING OF RESPONSIBLE SCIENCE

- Wider group of audience for webinars or seminars
- Separate series of seminars for specific field including best practice sharing – regulation of responsible science issues, regulation of research ethic, dual use science and etc. at different level scientists
- Group work for development and implementation the rules and issues of research ethics (including responsible sciencetopics) for HEI, Research centers and especially science funding agencies for innovative, but secure science

Thank you!