

## **PROGRAM**

of the on-line training course

### **“Ethics of Scientific Conduct”**

Aimed at the researchers of the Institute of Mathematics of the Czech Academy of Sciences.

The training course is to be executed within the framework of the project CZ.02.2.69/0.0/0.0/18\_054/0014664 Institute of Mathematics goes for HR Award - implementation of the professional HR management.

**Monday, May 18, 9:30 – 11:30, 12:00 – 14:00 (4 hod)**

**Tuesday, May 19, 9:30 – 11:30, 12:00 – 14:00 (4 hod)**

**Doc. Mgr. Jan Havliš, Dr.**

National Centre for Biomolecular Research, Faculty of Science, Masaryk University, Brno

**Mgr. Bc. Michal Koščík, Ph.D.**

Head of the Legal Department, Faculty of Medicine, Masaryk University, Brno

#### **Monday, May 18, 9:30 – 11:30 & 12:00 – 14:00**

Lecture with practical examples & discussion

The speaker: Jan Havliš

#### **9:30 – 10:30: Ethics, Science & Scientific conduct**

Human mind & cognition – the place it all began

Ethics – what it is and what it is good for

Science – or how to functionally define science

Scientific conduct – the practical face of science

Ethics in science – a framework and concepts

Research integrity – concept and tools

#### **10:30 – 11:30 Ethical aspects of science as a way of methodical knowledge acquisition**

Pseudoscience – invisible line science and looks-like-science; why pseudoscience maybe unethical

Scientific misconduct – forging, doctoring, plagiarism, rogeting, ghost-writing & bad science

Famous publication affairs – publication is often a place where we can see the misconduct at first

Argumentation – why is important in ethics and how do we fail it



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Operační program Výzkum, vývoj a vzdělávání

**11:30 – 12:00 Break**

**12:00 – 13:00 Ethical aspects of science as an organised system**

Abuse of scientists – false expertise, forced unethical or dangerous research  
Abuse of funding – pretending good & ethical science to get funded  
Predatory practices – pact with the devil against the demon  
Difficulties to implement ethical conduct

**13:00 – 14:00 Ethical aspects of science as a social institution**

Abuse of scientific knowledge – weapons, manipulation and crime

**Tuesday, May 19, 9:30 – 11:30 & 12:00 – 14:00**

Lecture with practical examples & discussion  
The speaker: Michal Koščík

**9:30 – 10:30 Copyright and authorship**

Which results are covered by copyright?  
Authorship and Co-Authorship  
Author and his Employer  
Plagiarism – difference between scientific plagiarism and copyright plagiarism

**10:30 – 11:30 IP Rights to software**

Computer programme as IP, rights to other elements of software  
License and right to use the software  
Adaptation and De-Compilation of a computer program  
Open source software

**11:30 – 12:00 Break**

**12:00 – 13:00 Data and database rights**

Rights to primary and secondary data  
Database as IP  
Protection of information

**13:00 – 14:00 General responsibility towards society**

Fundamental human right to knowledge and access to information  
Duty to disclose publicly funded research  
Open access vs Proprietary means of distribution  
Open repositories, Open data, , Open-Access, Open-Source, Public Licenses

