



Adam Mickiewicz University in Poznań

Doctoral School of Exact Sciences AMU

Turning Science into a Business

dr Rafał Kukawka, Maciej Spychalski

Workshops

Field of science	Cross-disciplinary classes
Teaching method	workshops
Language	English
Numbers of hours	15
Aims of the course	The aim of the workshop is to provide knowledge about activities related to the commercialization of scientific research, which are necessary for the creation of an innovative business entity. Participants of the workshop will learn how to carry out these activities from the perspective of a scientists and what are the opportunities and threats related to the development of business from the academic sector. In addition, participants will learn about the possibilities of obtaining external financing offered by PARP and NCBR.
Course contents	The classes cover the following groups of topics: <ol style="list-style-type: none"> 1. Research process 2. Publishing process 3. Publishing vs. commercializing 4. Ownership of ideas and statements 5. Peaks and valleys of product development 6. Getting to know business partners 7. Possible ways of commercialization 8. Sources of financing a small business
Prerequisites and co-requisites	No prerequisites

Learning outcomes

On completion of the course PhD candidates will be able to:		Assessment mode
E_W01	the achievements of world science in the discipline in which the education takes place, as well as the paradigms and directions of development of this discipline, in a way that enables their creative and innovative development and their verification within the framework of research projects undertaken;	The work will be assessed both in the form of a presentation presented during the workshop and a closed question test at the end of the workshop
E_W04	legal, ethical and other relevant conditions of scientific activity;	
E_W05	mechanisms for funding research and fundraising for research;	
E_W06	basic principles for knowledge transfer to the economic and social spheres and for the commercialisation of research results;	
E_U03	transfer the results of scientific activity to the socioeconomic sphere in cooperation with institutions from the social and economic environment	
E_K04	thinking and acting in an entrepreneurial way, creating new ideas and searching - in cooperation with people from other disciplines -	

	for innovative solutions, as well as taking up challenges and intellectual risk in the scientific and public spheres and taking responsibility for the consequences of their decisions;	
E_K05	thinking and acting in an entrepreneurial way, creating new ideas and searching - in cooperation with people from other disciplines - for innovative solutions, as well as taking up challenges and intellectual risk in the scientific and public spheres and taking responsibility for the consequences of their decisions;	
Literature	<p>Campos, Hugo. <i>The innovation revolution in agriculture: a roadmap to value creation</i>. Springer Nature, 2021.</p> <p>Blank, Steve, and Bob Dorf. <i>The startup owner's manual: The step-by-step guide for building a great company</i>. John Wiley & Sons, 2020.</p> <p>OECD. <i>Innovation, Productivity and Sustainability in Food and Agriculture: Main Findings from Country Reviews and Policy Lessons</i>. OECD Publishing, 2019.</p> <p>Caulfield, Timothy, Shawn HE Harmon, and Yann Joly. <i>Open science versus commercialization: a modern research conflict?</i>. Genome medicine, 2012.</p> <p>World Bank. <i>Enhancing agricultural innovation: How to go beyond the strengthening of research systems</i>. The World Bank, 2006.</p>	
Additional information	Contact person: Karolina Halladin, karolina.halladin@ppnt.poznan.pl	