

Adam Mickiewicz University in Poznań

Faculty of Chemistry

HighChem - interdyscyplinarne i międzynarodowe studia doktoranckie z elementami wsparcia współpracy międzysektorowej

Break the bank and get a grant. Development of a scientific career from national sources.

Joanna Bosiacka-Kniat

Researcher's workshop

Field of science	interdyscyplinary
Teaching method	workshop
Language	English
ECTS credits	1
Numbers of hours	15 h
Aims of the course	The classes assume the transfer of practical knowledge on obtaining grants, offered by national institutions supporting the development of young scientists, as well as the principles of creating projects enabling the implementation of scientific, research and innovative ambitions of young scientists.
Course contents	<ol style="list-style-type: none"> How to choose the right call? Review of sources of financing scientific research. Grant offers: <ul style="list-style-type: none"> - National Science Center, - National Center for Research and Development, - Ministry of Science and Higher Education, - Foundation for Polish Science, - the National Academic Exchange Agency; Your action plan. How to consciously manage a career and choose the right way for you? The project is not a scientific dissertation. Good practices in writing grant application. How to write and to "sell" a scientific project? Elements of the application <ul style="list-style-type: none"> - Be SMART and set your goal. - Solo or in a team? How important is cooperation in the project? - Methodology. Discover the cards and show the methods of operation. - What, where and when? The schedule of activities. - Milestones and risks. - Construction of the project budget; - Management. Creating an application in the ZSUN / OSF system

	6. Expert's eye. The process of evaluation of grant applications.	
Prerequisites and co-requisites	n.a.	
Learning outcomes		
On completion of the course PhD candidates will be able to:	Assessment mode	
The graduate knows and understands methodology of research work used in the area of chemistry or biochemistry and selected related disciplines	<p>First project proposal - the own scientific idea, based on the knowledge acquired during classes, max 2 pages.</p> <p>Work assessed during classes. Individual engagement of the researcher and group work will be taken into account.</p>	
The graduate knows and understands the economic, legal and other significant conditions concerning research work and its ethical aspects		
The graduate knows the issues concerning the transfer of knowledge and commercialisation of research results		
The graduate has basic knowledge on application for research grants, including project realised in international groups, on the sources of financing and application rules (grant application, project evaluation)		
The graduate knows the principles of functioning of open science		
The graduate is able to use the knowledge from different areas of science for identification, formulation and solution of complex problems including those of application character and is able to carry out research tasks, in particular: - define the aim and subject of study, formulate research hypotheses, - develop methods, experimental techniques and tools and creatively use them, - draw conclusions from the research results		
The graduate is capable of critical analysis and evaluation of research results, research expertise reports and other creative papers, evaluation of the impact of a given piece of research work on knowledge in a given area and possible practical application,		
The graduate is capable of analysis of the possibility of research results transfer to economic area and can initiate such a transfer,		
The graduate is able to disseminate research results, in particular in the form of research papers and in the forms popularising science,		
The graduate is able to initiate a debate and participate in a scientific discourse,		
The graduate has command of a foreign language to a degree allowing participation in international scientific circles, in particular is able to make contacts for exchange of experience and ideas (at conferences, seminars and other professional meetings),		
The graduate is able to prepare application for financing of research project,		
The graduate is able to plan and execute an individual or group research task of application character, also in international environment,		
The graduate is prepared to meet the social responsibilities of research workers and to initiate activities for public welfare, e.g. through informing the society in the right approach on the scientific achievements and opinions on them, engagement in teaching specialists and other activities contributing to development of civil		

society based on knowledge,		
The graduate is prepared to entrepreneurship, is able to propose new ideas, is ready to search for innovative solutions (in cooperation with specialists in other areas), is not afraid of challenges, is willing to take risk in research and social activity, is ready to take responsibility for the outcome of his/ her decisions		
The graduate is able to maintain and develop the ethos of academic and artistic creative communities through - carrying out research work independently, taking into account the financial or infrastructural limitations - respect the rule that results of research work are public property, taking into account protection of intellectual property		
Literature		
Additional information	28.05.2019 - 14.00 – 17.45 (Tuesday) 04.06.2019 - 14.00 – 17.45 (Tuesday) 11.06.2019 - 14.00 – 17.45 (Tuesday)	
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