



"From Postdoc to PI: future leaders of ERA"



Agnieszka Tadrzak Patrycja Nitoń

Getting to know each other



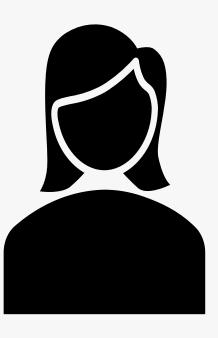


PD2PI Project Team









PD2PI Project Team





Dr Steven Linfield

Nanoelectrochemistry and fluorescence microscopy:a combined approach towards single molecule detection

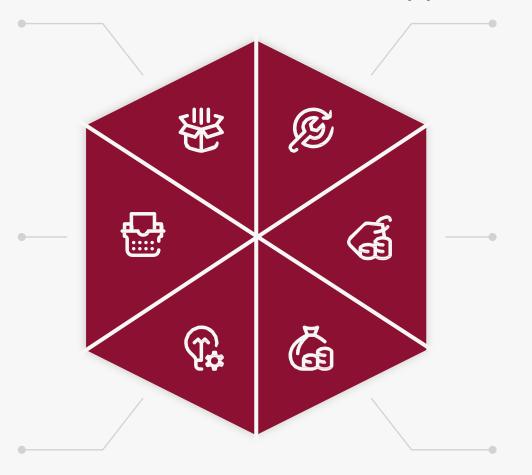
Dr Marcin Szymon Filipiak

Droplet microfluidic platform for electrochemical monitoring of single cells

Dr Michał Andrzej Kochman

In silico optimization of trans-cis photoisomerization of retinoids

The PD2PI fellows (I)



Dr Paweł Żuk

Stationary states out of equilibrium in various physical systems

Dr Dariusz Piekarski

Machine learning design of anion-binding catalysts: chirality transfer of organoreceptors

Dr Michał Bogdan

Structural mechanics of soft-granular clusters: from simulations to microfluidic experiments on droplet aggregates



Dr Bhavana Gupta

Understanding the mechanism of hole scavenger photo-electrooxidation on the surface of semiconductor

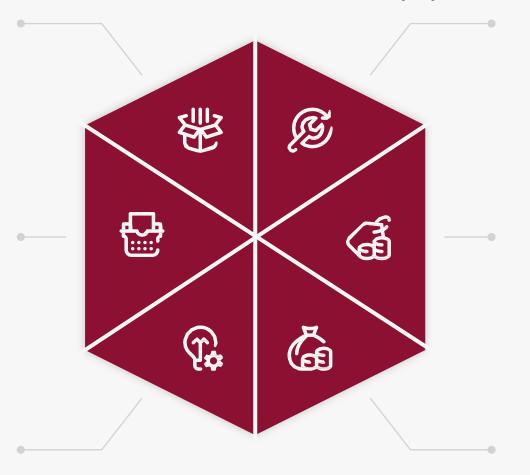
Dr Frantisek Muzika

Controllable Belousov-Zhabotinsky vesicles for chemical computing applications

Dr Kristina Kristinaityte

Towards the comprehensive real-time monitoring of photoreactions by the integrated laser/UV-vis-NMR-TR-NUS method

The PD2PI fellows (II)



Dr Ewelina Magdalena Kuna

Microfluidic System for Solar Energy Conversion

Dr Malik Dilshad Khan

Oxygen Reduction and Hydrogen Evolution catalyzed by Carbon Nitride-Metal Chalcogenide Composites at Liquid-Liquid Interfaces

Dr Ilona Paulina Foik

The role of inter-bacteria interaction in antimicrobial resistance – droplet microfluidics approach to study urinary tract infections



The PD2PI fellows (III)



Dr Bren Mark Felisilda

Scalable electrosynthesis of dimensionally confined, high purity conducting polymers at electrified soft interfaces for energy conversion and storage (SOFT-ELECTROSYNTHESIS)

Dr Rajul Ranjan

Vapour-assisted growth of stable 2D/3D hybrid perovskite for solar cell application.

About IChF



PD2PI – not only research





Funding source



European Commission

H2020, MSCA, Cofund - FP



the Ministry of Education & Science

International cofunded projects



PD2PI research training programme

Postdoctoral programme

PD2PI is a novel postdoctoral programme of IChF designed to foster new generation of scientists (Experienced Researchers) to become independent leaders/managers capable of working in business and/or academia.

Research proposed by the fellows themselves.

Tailor-made training programme – CDP should reflect 3-i approch.

interdisciplinary

01

field of studies – broadly understood chemistry with its links to medicine/ biology and physics

interdisciplinary training – lecturers representing different fields of studies

intersectoral

02

partners from academia & business sector secondment to enterprises as an option cross-sectoral training

international

03

Polish & foreign partners involved in the project fellows & lecturers from different countries

PD2PI training programme

PD2PI training programme is as flexible as possible. The PD2PI fellows, as members of our community, will get access to the events organised at IChF. However, we also plan to organised some events dedicated to the PD2PI fellows. During secondments the fellows may also join events organised by the partner research organisations.

On top of that, each fellow has own budget to be spent on travels, consumables and training.

IChF

external offer



Lectures / seminars / workshops at IChF

general + dedicated to the PD2PI fellows



Hands-on training

delievered by the Corps of Engineers



Conferences / seminars / training courses

in line with CDP



offer of partner institutions & commercial offer

Partner organisations from academia

Involvement of partner organisations aims at strengthening a 3-i approach of the project. The partners will host the fellows, train, mentor / support them, provide with networking opportunities, and support collaborative works.

- Lancaster University
- Autonomous University of Madrid
- Italian Institute of Technology
- · University of Vienna
- Tor Vergata University of Rome
- Institute of Photonics and Electronics, Czech Academy of Sciences
- Katholieke Universiteit Leuven (KU Leuven),
- University of Bologna
- Ecole Polytechnique Federale de Lausanne
- Queen Mary University of London
- University of Regensburg
- Tokyo University
- Trinity College Dublin
- University of Groningen
- University of Limerick
- · Comenius University in Bratislava

Training programme

Lectures on main challenges, hot topics, topics not sufficiently studied & anticipated trends in future studies in their respective Lectures on the cutting edge of science field, delivered by researchers from IChF & other research units (incl. mentors) **Cyclical lectures linking** Interdisciplinary lctures delivered by distinguished researchers, biology / medicine / including ERC grant holders physics / chemistry e.g. study visits to spin-off companies & companies R&D labs; **Cross-sectoral** lecturers delivered by R&D managers/ successful researchers managing programme companies e.g. annual microsymposium, symposia organised by research teams Symposia organised at **IChF** (CREATE)

Training programme

Hands-on training on delivered by Corps of Engineers or commercial courses research techniques courses selection consistent with the fellow's CDP, e.g. proposal & Courses on transferable publication writing, IPR mgt, public presentations, ethics, communicating knowledge & skills science, personal efficiency, CV writing & training for job interviews, communication, finance planning in a small company/ research group Hands-on soft skills aims to practice mentoring/tutoring skills, and get full experience of team training on mentoring management, e.g. workshops, care of students and team management



Collaboration with a mentor

1

Career Development Plan

drafting CDP – defining main targets (long-/short-/ mediumterm; selection of events supporting its implementation CDP should support chosen research topic & designing further career path

2

Ethics reports + updates

the fellows is welcome to consult other
experts as well to safeguard proper handling
of the ethics issues

3

Secondment

selection of the place/s of secondment – up to 25% of the total enrolment



Remuneration

01.

BASIC SALARY INCL. REGULAR BONUS

02.

MOBILITY ALLOWANCE

03.

FAMILY ALLOWANCE

Elements of remuneration

Separate bank transfers for category 1 & 2-3 Amounts may differ if you use social fund (e.g. tickets refunds, subsidies for holidays, sick leaves)

Fixed exchange rate: EUR / PLN = 4.2

Compensation paid twice – after closing each reportig period:

- October 2021
- October 2024

2,740

Basic

1,096

Mobility

200

EUR

Family

2,255 - 2,372

NET

i.e. after all deductions

Double legal status of the fellows

The PD2PI fellows have rights and obligations resulting not only from the Labour Law but also grant agreement for the execution of the PD2PI project. Most important obligations from the grant agreement have already been incorporated in the employment contract of the fellows.

Employee - Labour Law: work time, social security insurance, travel insurance European Health Insurance Card ('EKUZ'), leaves (36 workingdays/year)

Beneficiary - H2020 grant agreement: photos/reports, documents confirming ESR's status, audits/survey participation





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Legal and formal procedures binding the PD2PI fellows

Dr Patrycja Nitoń

Purchase procedure





Purchase Department



Room no. 38, adm. building akapuscinskabernatek@ichf.edu.pl

IT equipment

(PC station, hardware devices, software)

Ms. Aleksandra Kapuścińska-Bernatek

Purchase Department



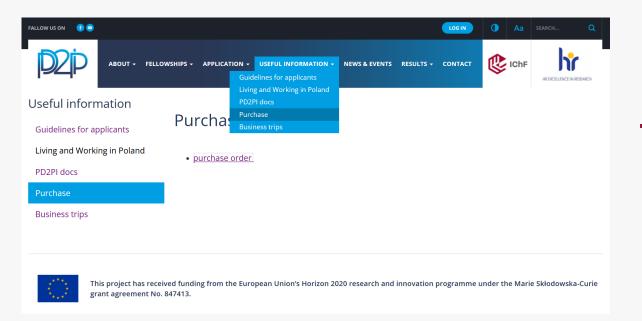
Room no. 38, adm. building mgogacz@ichf.edu.pl zakupy@ichf.edu.pl

Consumables

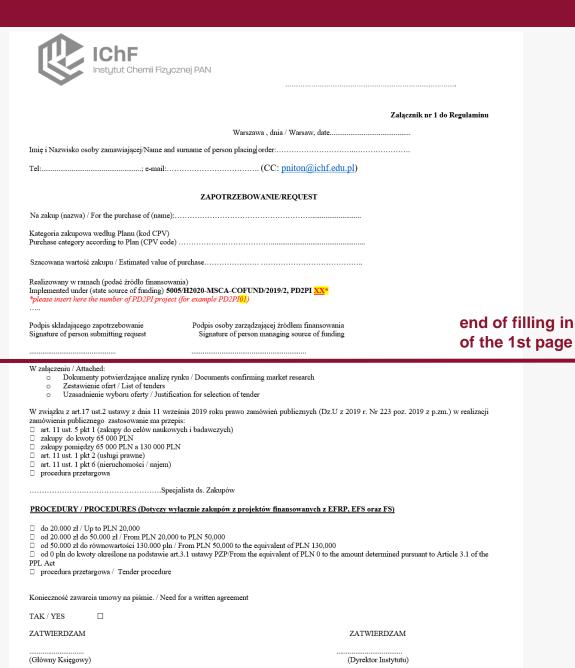
(small laboratory equipment, chemical reagents, glasswear, etc.)



Fill in the "Purchase order" form



Topic: PD2PI Inaugural Meeting



Fill in the "Purchase order" form:

- · name and surname
- e-mail (with cc adress)
- · name of the purchase
- CPV code according to Plan of your purchases (for each calendar year you must submit a Plan of your purchases, incl. the CPV code and the cost)
- no. of your individual project under PD2PI
- · Your signature
- Mentor's signature

Topic: PD2PI Inaugural Meeting



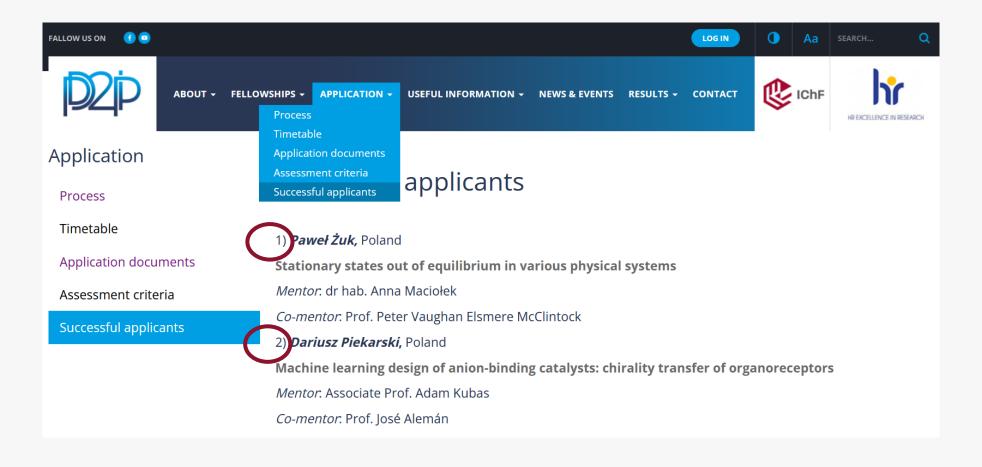
		Załącznik nr 1 do Regulaminu		
	Warszawa , dnia / Warsaw, date			
mię i Nazwisko osoby zamawiającej/Name and surn	name of person placing order:			
el:; e-mail:;	(CC: pniton@ichf.edu.pl)			
	ZAPOTRZEBOWANIE/REQUEST			
Va zakup (nazwa) / For the purchase of (name):				
ategoria zakupowa według Planu (kod CPV) urchase category according to Plan (CPV code)				
zacowana wartość zakupu / Estimated value of purchase				
ealizowany w ramach (podać źródło finansowania) mplemented under (state source of funding) 5005/H please insert here the number of PD2PI project (for 	2020-MSCA-COFUND/2019/2, PD2PI <u>XX</u> *			
odpis składającego zapotrzebowanie ignature of person submitting request	Podpis osoby zarządzającej źródłem finansowania Signature of person managing source of funding	end of filling in		
		of the 1st page		

V załaczeniu / Attached:

- o Dokumenty potwierdzające analizę rynku / Documents confirming market research
- Zestawienie ofert / List of tenders
- o Uzasadnienie wyboru oferty / Justification for selection of tender



No. of your individual project under PD2PI





Fill in the Justification form (attached to the "Purchase order")

You need to:

- find 2 offers (from different suppliers/shops)
- · attach this offers to the order
- justify your choice of one of the offers (lower price, better quality, etc)

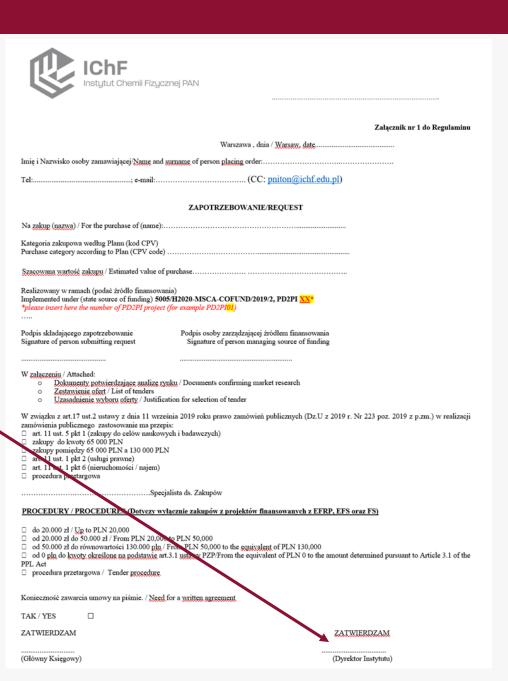


Bring the completed form to Mr. Michal Gogacz (office no. 38) or send it by email zakupy@ichf.edu.pl

after Director's approval, Mr. Gogacz will send you a scan of the order approved by the Director

then you may buy it

Topic: PD2PI Inaugural Meeting





Invoice details:

Institute of Physical Chemistry

Polish Academy of Sciences

44/52. Kasprzaka

01-224 Warsaw

NIP 525-000-87-55

After receiving an invoice:

You should write on the back of the invoice:

"founding source 5005/H2020-MSCA-COFUND/2019/2, PD2PI XX*"

*indicating your individual no. under PD2PI project

- Mentor's signature
- Bring or send by an email the invoice to Mrs. Anna Garwolinska:

agarwolinska@ichf.edu.pl

Room no. 27



How to buy IT devices?

Public tenders for IT devices

- Contact Ms. Aleksandra Kapuścińska-Bernatek
- Describe the specification



Business trips and online conferences





Before the trip or online conference

Fill in the "application for business trip" form

- Travel dates
- Type of the trip (e.g. conference, workshop, etc)
- Select the types of the costs
- Your signature
- Mentor's signature

Topic: PD2PI Inaugural Meeting







Warsaw,

WNIOSEK (application)

O WYJAZD ZA GRANICĘ LUB NA KONFERENCJĘ MIĘDZYNARODOWĄ W KRAJU 1)

(for business trip abroad or international conference in the Poland) (część wypełniana przed wyjazdem/part filled before the trip)

Instytut Chemii Fizycznej PAN,		
(Resec	arch group/Department)	
Imię i nazwisko osoby wyjeżdżającej:		
(name and surname of the applicant)		
Kraj wyjazdu:	Miejscowość:	
(country of visit)	(city of visit)	
Instytucja:		
(names of visited centers)		
Termin wyjazdu:	Termin powrot	u:
(Date of departure)	(Date of return)
Warunki finansowe wyjazdu (podają	c okres):	
(financial conditions of trip - indicate	the date of visit)	
A. urlop (leave)		
- wyjazdowy płatny (paid):		
- wyjazdowy bezpłatny (unpa	aid)	
 wypoczynkowy (vacation) 		
Charakter pobytu:		
(type of trip)		
Cel wyjazdu (opis merytoryczny, z podai	niem tytułu prezentacji w przypadku wyj	jazdu konferencyjnego)
		ces: please give a title of presentation)
sum or number of diets): koszty zakl	adu, koszty grantu MNiSW projekt 1/2019/2, PD2PIXX*, koszty ogólno rmagana zgoda PAN), koszt wyjeżdże n) ence fee) p sum to cover the costs)	blic transport)
signature of the person participating in the business trip/ podpis wyjeżdżającego	signature of the Supervisor/ podpis Promotora	signature of the Director of the Institute/ podpis Dyrektora Instytutu
1) Składany łącznie z niezbędnymi załączni	kami dokumentacyjnymi (submitted wit	th the necessary attachments)

Bring or e-mail the filled in form to:

Mrs. Małgorzata Pińkowska Room no. 39, adm. building

mpinkowska@ichf.edu.pl



Before the trip or online conference

after Director's approval You can go on trip

Plane and train tickets only by Ms. Magdalena Szustak mszustak@ichf.edu.pl

Topic: PD2PI Inaugural Meeting







Warsaw,....

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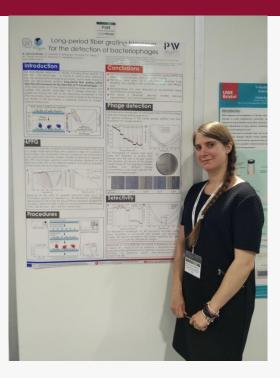
Instytut Chemii Fizycznej PAN,		
	arch aroup/Department)	
lmię i nazwisko osoby wyjeżdzającej:		
(name and surname of the applicant)		
Kraj wyjazdu:	Mieiscowość:	
(country of visit)	(city of visit)	
Instytucja:	(==, =, ===,	
(names of visited centers)		
Termin wyjazdu:	Termin powrot	:u:
(Date of departure)	(Date of return	
Warunki finansowe wyjazdu (podają		,
(financial conditions of trip – indicate		
A. urlop (leave)	- ,,	
- wyjazdowy płatny (paid):		
- wyjazdowy bezpłatny (unpa		
- wypoczynkowy (vacation)	•	
Charakter pobytu:		
(type of trip)		
Cel wyjazdu (opis merytoryczny, z podai	niem tytułu prezentacji w przypadku wy	riazdu konferencyinego)
		ces: please give a title of presentation)
Źródła finansowania (funding source sum or number of diets): koszty-zaki umowy 5005/H2020-MSCA-COFUNE bezdewizowa, pula centralna PAN (w. podróży (travel costs)	adu, koszty grantu MNiSW projek 1/2019/2, PD2PIXX*, koszty ogóln /magana-zgoda PAN), koszt wyjeżdźi 1) ence fee) p sum to cover the costs)	ilości diet i ich pochodzenia (<i>please indicate</i> ty międzynarodowe współfinansowane nr e Instytutu, strona przyjmująca, wymiana ającego, inne źródła (jakie)]:
(a) dojazdów (1 dieta)		
(b) dojazdów środkami komunikacji n		
- innych wydatków (wizy) (cost of othe	er expenses e.g. visa)	
signature of the person participating in the business trip/ podpis wyjeżdżającego	signature of the Supervisor/ podpis Promotora	signature of the Director of the Institute/ podpis Dyrektora Instytutu
1) Składany łącznie z niezbędnymi załączni	ikami dokumentacyjnymi (<i>submitted wi</i>	th the necessary attachments)



During the trip

Photo & conference programme









After the trip

Fill in the "report on business trip" form

Bring or send by email the report to Mrs. Małgorzata Pińkowska

Send word version of the report along with photo and conference programme to Mrs. Patrycja Nitoń pniton@ichf.edu.pl







From Postdoc to PI: Future leaders of ERA

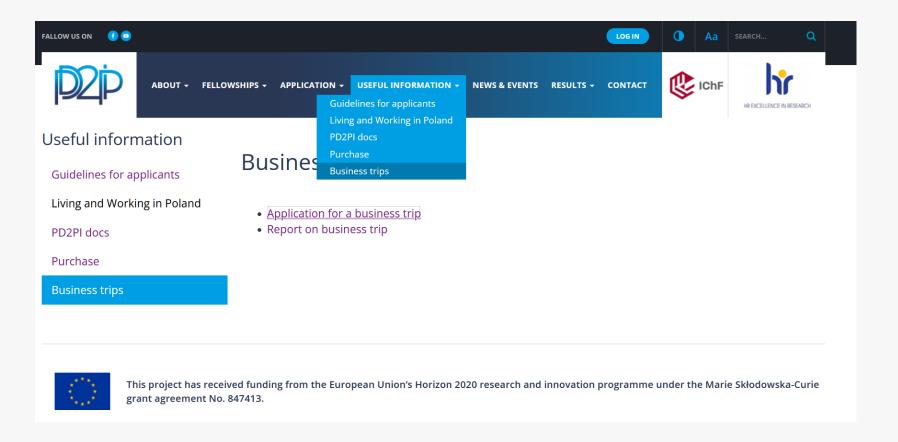
		Warsaw,		
Name and Surname:				
Research group/Department:				
Place of visit:				
Date of visit:				
	REPORT ON BUSSINES TR	IP		
(information that in opinion of the employee should be included in a general report on activity of the Institute, such as: names of visited centers, topics of delivered lectures; in case of conferences: whether visiting person chaired sessions, delivered a plenary lecture, etc.; in case of lab visit: the course of visit, results, etc. Electronic version of the report along with the photo should be sent to pniton@ichf.edu.pl)				
signature of the person participating in the business trip/ podpis wyjeżdżającego	signature of the Supervisor/ podpis Promotora	signature of the Director of the Institute/ podpis Dyrektora Instytutu		
Confirmation of the financial business Institute)/Potwierdzenie finansowego Instytutu):		ttling the business trip on behalf of the sba dokonująca rozliczenia w imieniu		
The color has a solution from	also Francisco Walanta 2020			

Marie Skłodowska-Curie grant agreement No. 847413 and from the Ministry of Science and Higher Education from the funds

for science, an international co-funded project, grant agreement No. 5005/H2020-MSCA-COFUND/2019/2".



Templates



https://www.pd2pi.edu.pl/

An important person





Ms. Aleksandra Kapuścińska-Bernatek Room no. 38, adm. building

 $\underline{akapuscinskabernatek@ichf.edu.pl}$



Assistance in the process of obtaining Polish residence (visas, registration of stay), health insurance, Polish identification/tax numer, etc.



Thank you

Institute of Physical Chemistry Polish Academy of Sciences Kasprzaka 44/52 01-224 Warszawa, Poland www.ichf.edu.pl