

Meeting with Group Leaders

February 15, 2016

Zdenek Hostomsky

Agenda



- Welcoming Hana Macíčková Cahová
- Most significant 2015 publications contest
 - Submissions
 - Pre-screening
- IOCB Research Output Evaluation
- Predatory journals
- OP VVV update
- Upcoming events

New Jr. Research Group



Ing. Hana Macíčková Cahová, PhD



- Starting January 1, 2016
- Based on the rating A evaluation of the research proposal by ERC
- Chemical Biology
(*Viral RNA modifications*)

People: Postdoctoral fellow (Oldřich Hudeček)
Research assistant (Anna Šimonová)

Cahová Group - Chemical Biology



- What we want to do?
 - Study RNA modifications
 - Viruses are perfect model systems
- How we want to do it?
 - Viral RNA digested by nucleases will be analyzed by nanoUPLC/MS (IOCB the best institution- Virology group of Dr. Weber and MS group of Dr. Cvačka)
 - Important - once methods established, we can analyze RNA as well as DNA from any systems

Most significant publications in 2015



Updating the rules

- Update of rules for 2015 has been coordinated with the IOCB Board
- How to divide submissions?
 - Chemistry - Biology
 - Theoretical - Experimental (at IOCB only in Chemistry)
 - Interdisciplinary
- How to decrease number of weaker papers?
- How many awards?

Most significant publications in 2015



Updating the rules

- Update of rules for 2015 has been coordinated with the IOCB Board
- How to divide submissions?
 - Chemistry - Biology
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 - Interdisciplinary **CB, TE**
- How to decrease number of weaker papers
- How many awards **2 to 4**

	C	B
T	TC	TB
E	EC	EB

Most significant publications in 2015



- Physical and Theoretical Chemistry
- Medicinal and Organic Chemistry
- Biochemistry and Molecular Biology
- Interdisciplinary (within IOCB)

Each group may submit 1 most significant paper published in 2015 per category, but no more than 2 papers total. Semi-autonomous units within larger groups may submit their own papers if the group leader is not listed as co-author. The papers will be pre-screened internally before they are sent to the external panel (IAB members, *ad hoc* reviewers) as well as to an internal IOCB panel (group leaders and management). 2 - 4 papers in each category will be awarded prizes in the form of group money.

Internal Preselection



- Preselection panel is composed of the external members of IOCB Board and the director:

Jitka Moravcová
Tomáš Obšil
Petr Svoboda
Zdeněk Hostomský

- Typically, only papers with principal or corresponding author from IOCB should be submitted.
- Papers not meeting these criteria may still be submitted, but only work done at IOCB will be judged.
- Print version date counts
- Assignment to categories will be scrutinized
- Clarification re Interdisciplinary vs. Collaborative
- Interdisciplinary: Chemistry - Biology
Computational - Experimental
 - Contribution of the analytical techniques component (NMR, MS, x-ray structure analysis) to constitute interdisciplinarity will be evaluated.

Most significant publications 2015



- Submission deadline - February 29, 2016
- The winning publications for 2014 and 2015 will be presented at the IOCB off-site conference in May
- The standing of the IOCB most significant paper will be analysed (judges have been asked to select papers that would likely retain their significance and relevance 5 years from publication)
 - Interim analysis of the 2012 winning papers will be performed (incl. citations in 2013, 2014 and 2015) to provide empirical data

Predatory Journals



Predatory journal exploit an Open Access model to profit at the expense of scientific quality.

Czech Republic - 530 articles published in suspected predatory journal of which Academy of Sciences - 61 articles, IOCB - 26 articles (from years 2008-2012)

These journals are not always easily recognizable, they can get into the Web of Science, Scopus etc.

Some features:

- Unsolicited e-mails from the journal calling for article or inviting to the editorial board.
- Peer review process does not exist or it is fictitious, publishing time is very short.
- Common title or misuse of the titles of other journals and conferences.
- It is not possible to check the editorial board, misuse of well-known names.

Defence:

1 / check the unknown journal in the Beall's list of suspicious titles (not 100% reliable)

<http://scholarlyoa.com/individual-journals/>

<http://scholarlyoa.com/publishers/>

2 / ask for further information on the title at formanova@uochb.cas.cz

In case you have already published in such journal since 1.1.2015, do not report the article to ASEP or request its withdrawal (jana.prochazkova@uochb.cas.cz).

IOCB Research Output Evaluation



- Quantitative group output - scientometric
- Cumulative 2013, 2014, 2015 output
- Information from the director will follow soon
- Proportional distribution of 2.5 M CZK to the groups (another 2.5 M will be distributed for the winning most significant publications).

Long term Investment planning



Operational Program OP VVV

- New calls for OP VVV (**Operační program Výzkum, vývoj a vzdělávání - Operational Program Research, Development and Education**) projects are expected during 2016. Prague is included in the new calls.

OPVVI priorities:

- Priority area 1:
- Strengthening of research excellence and international collaboration
- Strengthening of collaboration between research institutions and application sphere
- Improvement of education infrastructure supported by research

OP VVV project proposal

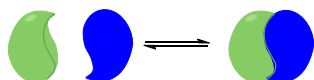
IOCB will prepare one joint proposal on medicinal chemistry/chemical biology – provisional title:
Reaching Undruggable Targets for New Therapies through Chemical Biology

Project selection committee (Cvačka, Hocek, Hostomský, Jiráček, Jungwirth, Nencka, Pichová, Rulíšek, Veverka) reviewed and considered all short proposals of individual groups and selected those which may fit into the main themes of the project. Several others are still in discussion and are subject to re-focusing.

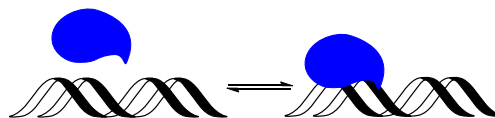
The director has appointed Prof. M. Hocek as the coordinator of the OP VVV project

The three major themes/workpackages will be:

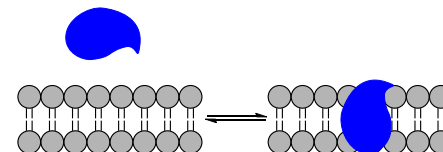
Protein-protein interactions



Protein-nucleic acid interactions



Protein-membrane interactions



The proposal will not cover “classical medicinal chemistry” of enzyme inhibitors or receptor modulators but will focus on undruggable interactions.

Preliminary selection of participating groups fitting into the topics: Bouřa, Cígler, Curtis, Cvačka, Hobza, Hocek, Jiráček, Jungwirth, Konvalinka, Lazar, Nencka, Pichová, Rulíšek, Stříšovský, Veverka/Řezáčová, Vondrášek, Weber, Yushchenko

Subject to refocusing: Beier, Bouř, Jahn, Teplý

The selected groups will shortly start to compose the project and write up around the given workpackages – the team is not fixed and may change

Annual evaluation of the research results (by the Government board for research, development and innovations, RVVI) = “coffee grinder”

no direct influence on core funding of IOCB but is an important indicator for the government

Hodnocení výsledků výzkumných organizací v roce 2014

Ústav organické chemie a biochemie AV ČR, v. v. i.

Výsledky hodnocení schválené Radou pro výzkum, vývoj a inovace

Píliř I	Počet výsledků s kladným bodovým ohodnocením		Body výsledků	Body upravené podle příl. č. 8 Metodiky
	842,294		53 754,484	67 859,718
Píliř II – ERC granty				
		Počet ERC grantů zjištěných	započtených	Započtená bonifikace
		2,00	2,00	4 000,000
Píliř II – excelentní výsledky				
	Alokovaná kvóta výsledků na VO	Počet výsledků v kategorii "A"	Bodové skóre v předešlém roce	Bodové skóre v aktuálním roce
	n_k	n_k^A	$R_k^{(2013)}$	$R_k^{(2014)}$
	18,000	9,400	8 761,184	10 160,011
Píliř III				
	Body za patenty, odrůdy a plemena	Upravené body za patenty, odrůdy a plemena	Body za projekty aplikovaného výzkumu a smluvní výzkum	Celkové body ve III. Píliři
	614,987	614,987	1 028,582	1 643,569
Výsledky aplikovaného výzkumu z let 2009-2011 podle Hodnocení výsledků VO v roce 2012				
	Počet výsledků	Body výsledků	Upravené body výsledků	
	21,010	2 430,710	1 707,896	
Celkové hodnocení				85 371,194

Pillar I – scientometric calculation (from RIV)

Pillar II – expert peer review of selected papers (18 papers for IOCB)

2014 evaluation – very good scoring of IOCB papers in the Pillar II (9 of 18 papers were rated as outstanding)

2015 evaluation – now we must select the best 18 papers from 2010-2014

M. Hocek and I. Pichová appointed to make the selection

Authors of the selected papers will be contacted to write up a short annotation

Upcoming events



- IOCB Employee Gathering - Febr. 19 at 2 pm
- ILS Wolfgang Graier - March 1, 10 am
- Cross Campus 26.4.2016 - Registration open at the end of February
- Off-site retreat IOCB Conference
Hotel Srní, Šumava Mountains
from Tuesday May 24 (starting with lunch)
till Friday May 27 (ending with lunch)