



ÚOCHB AV
ČR
IOCB PRAGUE

Annual Assembly of IOCB Employees

Shromáždění zaměstnanců ÚOCHB

Zdeněk Hostomský

02/09/2018

Program

- Retrospect of 2017 (Zdeněk Hostomský)
- HR Updates (Aranka Rozinková)
- Message from the Board of the Institute (Ullrich Jahn)
- Discussion

-
- Ohlédnutí za rokem 2017 (Zdeněk Hostomský)
 - Aktuality z osobního oddělení (Aranka Rozinková)
 - Rada Instituce informuje (Ullrich Jahn)
 - Diskuse

Organizational Changes - Groups

3

Promoted

Petr
Cígler

Evžen
Bouřa

New

Dominik
Rejman

Zuzana
Kečkéšová

Transition

Irena
Valterová

Václav
Kašička

Filip
Teplý

Ivan
Rosenberg

Organizational Changes

4

Development
Workshops



IOCB Development
Center

Heads:

Ondřej Pačes

Michal Lebl

Grant Projects
Office

Project Managers:
Jitka Šilerová
Tomáš Mozga
Veronika Palečková

- regular and targeted search of new grant calls
- strengthening and expansion of grant writing
- complex grant preparation support
- individual approach

Technology Transfer

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IOCB TTO



IOCB Tech

Martin Fusek (CEO)

i&i Prague

inventions | investments

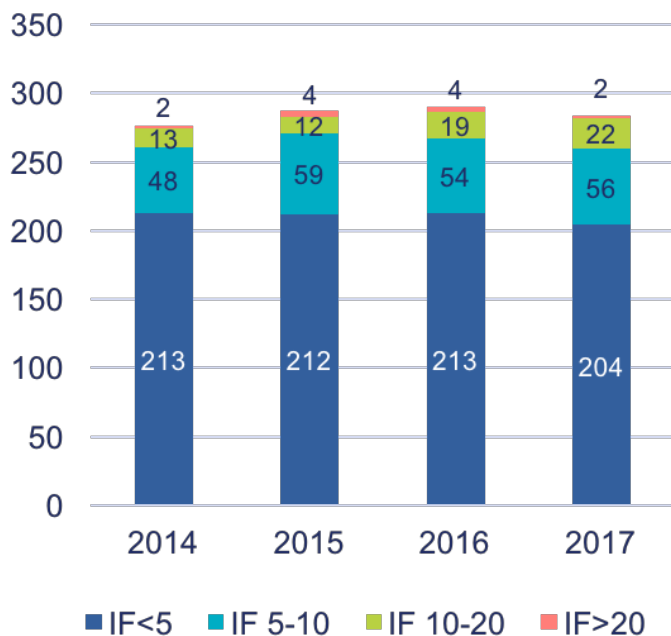
Jaromír Zahrádka (CEO)

Publications 2017

Publications in journals with IF (from ASEP)

Year	IF<5	IF 5-10	IF 10-20	IF>20	Total
2014	213	48	13	2	276
2015	212	59	12	4	287
2016	213	54	19	4	290
2017	204	56	22	2	284

Publications in journals with IF



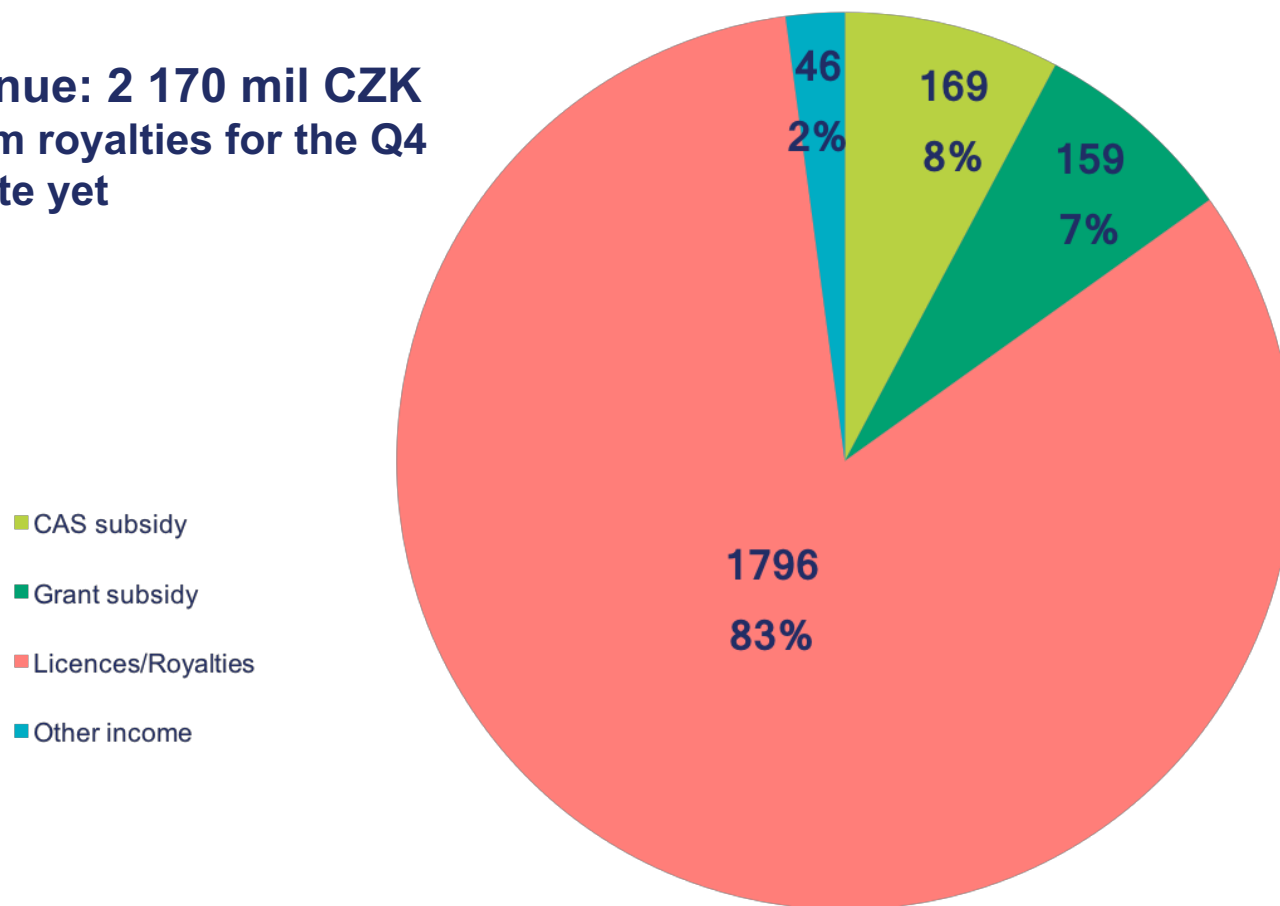
Most frequented journals (5+ IOCB publications/year)

	IF ²⁰¹⁶	Number of publications			
		2014	2015	2016	2017
Journal of the American Chemical Society	13,9		5		5
Angewandte Chemie - International Edition	12,0	8		7	5
Nucleic Acids Research	10,2	6			5
Nanoscale	7,4		5		
Organic Letters	6,6			5	
Chemical Communications	6,3		6	7	5
Journal of Medicinal Chemistry	6,3		5	5	11
Chemistry - A European Journal	5,3	8	13	7	5
Journal of Chemical Theory and Computation	5,2		10		11
Journal of Physical Chemistry C	4,5		5		
Scientific Reports	4,3			9	16
Physical Chemistry Chemical Physics	4,1	12	16	7	9
Organic & Biomolecular Chemistry	3,6		7		6
Journal of Physical Chemistry B	3,2	10	10	8	7
RSC Advances	3,1		5		
ChemPhysChem	3,1			5	
Journal of Physical Chemistry A	2,8	7	6		7
Chembiochem	2,8	5			
European Journal of Organic Chemistry	2,8	6			
PLoS ONE	2,8	5	6		9
Steroids	2,3		5		6
ZooKeys	1,0		6		
Chemické listy	0,4	17		8	

Structure of IOCB Income (2017) in mil. CZK

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- Total revenue: 2 170 mil CZK
- Income from royalties for the Q4 not complete yet



Awards and Prizes

8

Otto Wichterle Award

Pavla Perlíková

Dmytro Yushchenko

Neuron Impuls Award

Petr Cígler

Lukasz Cwiklik

RFC Fluorine Prize

Petr Beier

EUROMAR Young
Scientist Award

Martin Dračínský

Synthon Award

Filip Kalčic

Awards and Prizes

Jean-Marie Lehn Prize

Jiří Václavík

Česká hlavička

Jan Blaha

Member of the
Learned Society

Michal Hocek

Ivo Starý

Otakar Červinka Prize

David Just

Visegrad Group
Academies Young
Researcher Award

Jiří Schimmer

Awards and Prizes

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Prize of the Chairman
of the R & D Council

Jan Ždárek

Schrödinger Medal

Pavel Hobza

Martina Roeselová Memorial Fellowship

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- Martina Roeselová Foundation established in 2017
- 4 winners awarded in 2017:
 - Adéla Melcrová (JHI, CAS/ ÚFCH JH AV ČR)
 - Kateřina Sam (BC, CAS/ BC AV ČR)
 - Barbora Planková ICPF, CAS/ ÚCHP AV ČR)
 - Lucie Pokorná (UCT Prague/ VŠCHT Praha)



Major Achievements

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- License Agreement with Novo Nordisk company: project on development of new compounds active in obesity and type II diabetes (Lenka Maletínská)
- OPVVV grant from Ministry of Education, Youth and Sports (coordinated by Michal Hocek and Iva Pichová)

Events in 2017

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- Purchase of a villa at Glinkova Street
 - Reconstruction is underway
 - Will be used for employee accommodation

- Dream Chemistry Award
 - International competition established in Poland in 2013
 - In 2017 – organized by IOCB Prague for the first time (December 4-5)
 - Laureate – Jessica Kramer (University of Utah) with her project on use of glycocalyx synthesis in cancer treatment

Upcoming events 2018

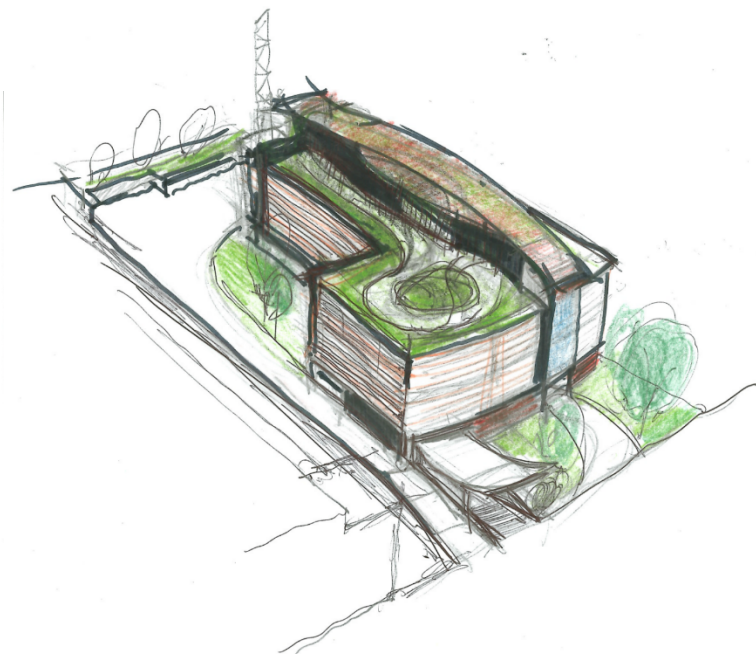
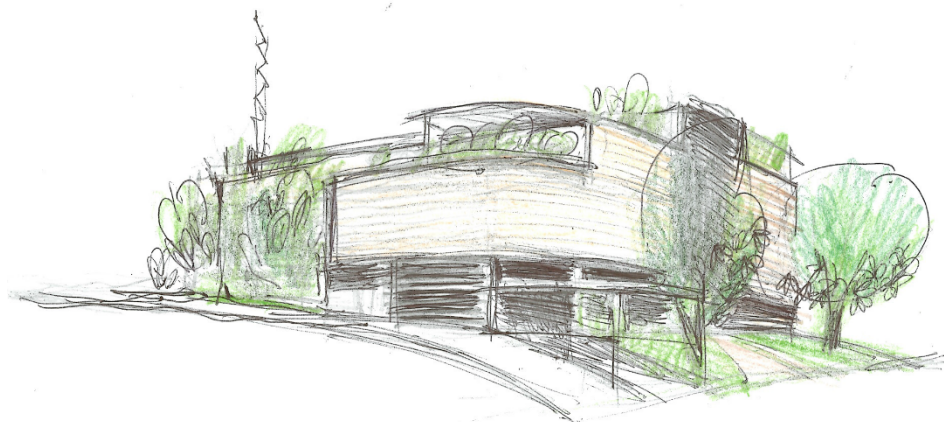
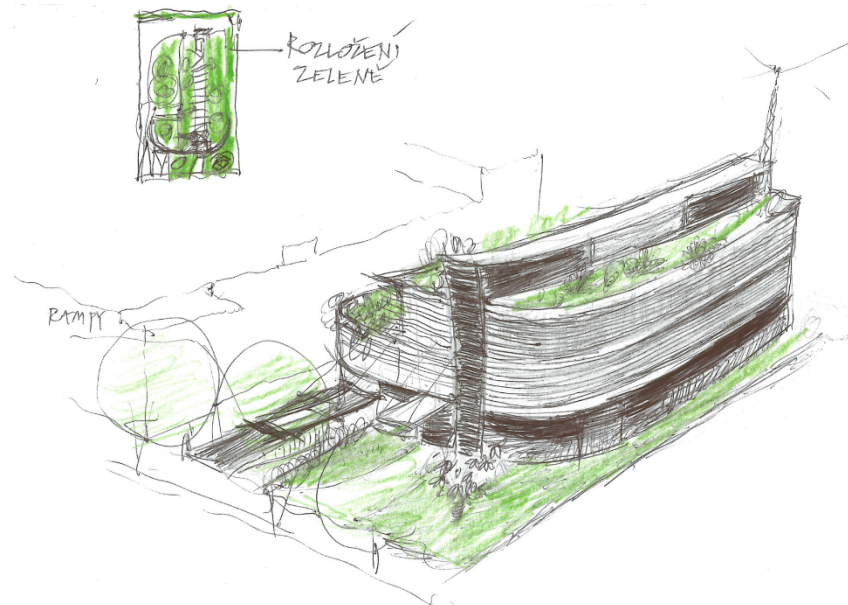
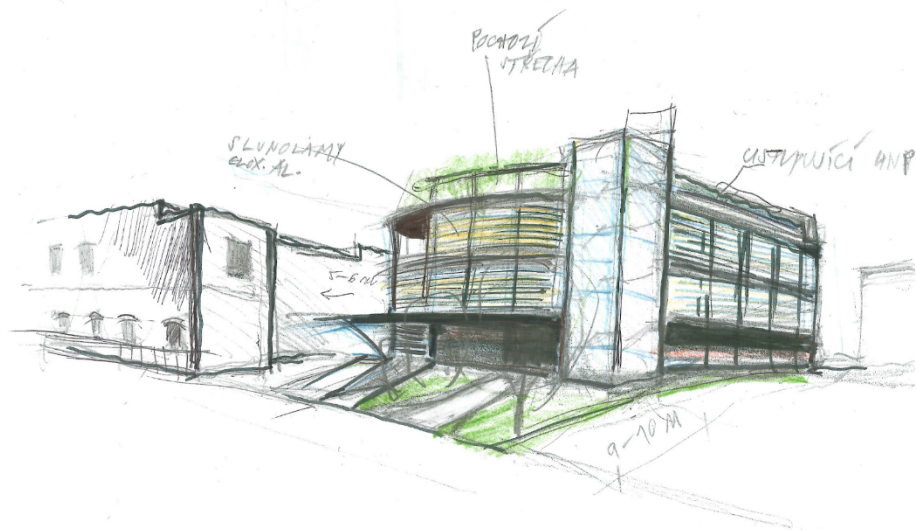
14

- IOCB Retreat at Valeč castle (May 28-31)
- Evaluation of Senior Groups by IAB (June 8-9)
- 5th Prague Summer School – Rehovot, Israel (December 3-7)

Development Project at Papírenská street

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- IOCB Development Center
- Standard chemistry and biochemistry labs and offices in modular arrangement suitable for:
 - Incubator and Spin-off companies
 - Support services (e.g. large-scale syntheses, selected core facilities)
 - Rental potential
 - Seat of i&i Prague
- 1 underground and 4 aboveground levels with recessed 4th floor
- Completion planned in early 2020



Acknowledgement

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Supporting research and people at IOCB

Technical
Administration
and
Maintenance

Internal
Administration
and Transport

Material-
Technical
Support and
Storage

ITS

Accounting
and Payroll
Department

Grants

HR

Office of
Director

Communications

Health
Facility

Dagmar Šimková Renata Klailová
Jiří Holík Jana Krumpholcová
Marie Prokopcová Přemysl Hroník

David Hrbek
Eva Binková
Jakub Sivek
Michal Jouja
Milan Brajer
Lukáš Křivánek

Michal Hoskovec
Tomáš Svoboda
Jana Procházková
Ivan Černý Jakub Šimon
Vladimír Kulhavý
Michaela Záluská

Zdeněk Barták
Martin Sokol
Viktorie Chládková
Jiří Polách
Wilhelm Vogel
Karolína Kotová

Jiří Mach
Jan Janoušek
Markéta Kracíková
Josef Rysl Jiří Vytejček
Petr Polák Karel Tůma
Miroslav DolejšKarel Šobíšek
Jaroslav HofmanZdeněk Studený
Richard Jebavy Tomáš Jiroušek

Ludmila Tovchigrechko
Josef MládekJosef Tupý
Stanislav FialaPavel Kalný
Julie Křejlinová Tomáš Bláha
Jaromír Simeček Milan Špinka
Danuše PráškováMiroslav Kroš
Irena Pejchalová Václav Šmíd
Jan Kozohorský Jiřina Broštová
Ludmila Hoznauerová Lucie VáchováVáclav Mžourek

Martin Autengruber
Libuše Dvořáková
Martin Krumpholc
Irena Pražáková
Radka Faltová
Daniela Fantlová
František Vaněk
Miroslava Nová

Renáta JakubcováIvana Hervertová
Simona Juzlová Ivana Janáčková
Jana PokornáJana Framberková
Jarmila Sedmihradská
Bronislava Šaffková
Dana ŠiškováHana Kejmarová
Eva Doležalová Simona Peřinová
Božena Petschová Kateřina Vranková
Irena Eisenreichová Dagmar Oudrnická

Veronika
Hana
Jitka
Jitka Šilerová
Jana Hronová
Jan Votava
Tomáš Mozga

Palečková
Horejsková
Hlaváčková
Martin Fusek
Michal Pošta
Jana Kenney
Jan Šotola
Ladislava Součková

Jaromír Zahrádka
Iva Pichová Tamara Brixiová
Alena Habartová
Martin Matoušek
Markéta Baňková
Juliane Proft
Dana Račková

Štěpánka
Jiřina
Monika
Aranka
Dušan
Barbora
Stanislava Opplová
Dana Račková

Balounová
Maršíková
Horáčková
Rozinková
Brinzanik
Fričová



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HR Updates

Aranka Rozinková

BENEFITS employee program



Benefits 2017

8 000 points for fulltime employee plus 1 000 points (credit from last year)

Use of benefit points in 2017

- 29 % free time activities via Benefity.cz (travel, sport, culture)
- 27 % lunches
- 26 % pension plan
- 18 % unused
- In total 2 028 649 points were used via Benefity.cz - increase by 71% compared to 2016 (1 186 877 points)

New benefit for employees:

- Sick days (3 days per year)

HR support in 2017



Financial Subsidy for Working Moms



- program is available since June 2016
- 37 moms have benefited from this program in 2017 (34 in 2016)
- In total 3 643 595 CZK distributed

Daycare Facility „Zkumavka“



- contract with UCT signed in spring 2016
- 6 children of IOCB employees attended this facility in 2017 (4 in 2016)

PhD Boot Camp in Malá Úpa

- 16 new PhD students attended in 2017 (15 in 2016)

IOCB Summer Student Program (for international MSc students)

- 11 students in 2017 (6 in 2016)

HR Info in 2017



New hires

- 154 (124 in 2016)



Employment exits

- 112 (77 in 2016)



PhD students

- 153



Employees from abroad (including Slovaks)

- 152





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The IOCB Board 2017



Ullrich Jahn | 09.02.2018

The IOCB Board 2017-2021

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Ullrich Jahn

Pavel Jungwirth

Pavčina Maloy Řezáčová

Radim Nencka

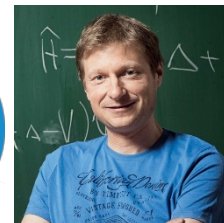
Radek Pohl

Pavel Šácha

Petr Svoboda (IMG CAS)

Petr Slavíček (UCT Prague)

Tomáš Obšil (Charles University)



The IOCB Board Tasks

3

- Election of the IOCB Director
- Approval of IOCB Investments and the whole Budget
- Approval of Several Nominations for Awards of CAS

- Goals and Mission

<https://www.uochb.cz/web/structure/572.html>

- **Strategic Directions at IOCB**
- Moderating Scientific Life at IOCB
- Funding of Science at IOCB
- Scientific Outreach of IOCB
- Collaboration with IOCB management

- Basic Research
- Research-Service and Service (Core facilities)
- Applied and Translational Research

Basic Research

- Hiring policy
- Internal grant system at IOCB
- Tenure
- Outreach to universities

The background document can be found at:

<https://inraweb.uochb.cas.cz/iocb-board-57.html?lang=en>

Research-Service and Service (Core facilities)

- Consideration underway
- Series of Provider-User meetings, followed by formulation of recommendations
- First meeting took place 30.01.2018 for mass spectrometry
- Next meetings are scheduled, please participate actively



Applied and translational research

- Draft of strategy was prepared
- To be finalized at the March meeting of the IOCB Board with Martin Fusek
- Pavlína Maloy-Řezáčová became member of the IOCBTech Supervisory Board
- Petr Slavíček became member of the i&i Investment Board



The IOCB Board Tasks

8

- Election of the IOCB Director
- Approval of the IOCB Investments of Budget
- Approval of Several Nominations for Awards of CAS

- Goals and Mission
- Strategic Directions at IOCB
- **Moderating Scientific Life at IOCB**
- Funding of Science at IOCB
- Scientific Outreach of IOCB

Mentoring at IOCB

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- Important tool helping younger and new arriving group leaders
- Assistance in establishing themselves at IOCB
- Assistance in establishing and maintaining their research groups
- General advice during their tenure track
- Advice in networking at IOCB, the Czech Republic and internationally

A list of potential mentors is available:

<https://intraweb.uochb.cas.cz/mentoring-246.html?lang=en>

The IOCB Board Tasks

10

- Election of the IOCB Director
- Approval of the IOCB Investments of Budget
- Approval of Several Nominations for Awards of CAS

- Goals and Mission
- Strategic Directions at IOCB
- Moderating Scientific Life at IOCB
- **Funding of Science at IOCB**
- Scientific Outreach of IOCB

- Establishment of the Proof-of-Concept grant scheme
- Establishment of the Interdisciplinary grant scheme
- Establishment of the Bridging Support
- Repurposing of group budgets

Supporting material is available:

<https://intraweb.uochb.cas.cz/245.html>

The IOCB Board Tasks

12

- Election of the IOCB Director
- Approval of the IOCB Investments of Budget
- Approval of Several Nominations for Awards of CAS

- Goals and Mission
- Strategic Directions at IOCB
- Moderating Scientific Life at IOCB
- Funding of Science at IOCB
- **Scientific Outreach of IOCB**

– Dream Chemistry Award

- Established at the Institute of Physical Chemistry, Polish Academy of Sciences in 2013
- Now held annually alternating between Warsaw and IOCB
- Dr. Jessica Kramer (University of Utah) became first awardee at IOCB 05.12.2017



– Detlef Schröder Seminar Series

- Forum for inviting of young promising Czech and foreign scientist for lectures and scouting
- Forum to enable and strengthen collaboration and exchange with established Czech scientists
- Responsible: Lubomír Rulíšek
- First seminar on March 6th 2018 by Jana Roithová (UK Prague)



**Thank you
for your attention.**



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Discussion

Questions

I have a question regarding database access: Are there any plans to acquire access to SciFinder-n? It is an upgrade of SciFinder database.

SciFinder-n will most likely offer an improved search engine operating over the existing data set which is already accessible through the standard SciFinder interface. It is announced on a web but there are very few details available. It seems that the product is in some testing (beta) stage and it is not currently available for standard customers. We contacted our sales representative, but we have not received a response yet. We are monitoring the situation and we will act as soon as there is more info available.

Questions

I wish to know if there is any molecule that is in clinical trial, which might have the potential to repeat the success of HIV therapy? Is there any specific drug discovery program going at IOCB?

Currently there is no IOCB compound in clinical testing phase. It will be decided in the next few months whether a new compound will enter clinical trials in HIV therapy (collaboration with Gilead Sciences). Another group of compounds effective in oncology developed with JHU and licensed by Dracen company is in this process too. Very intensive preclinical research on compounds active in diabetes is ongoing in collaboration with Novo Nordisk company. There are other promising projects in different phases of development (proof of concept to preclinical).

Questions

40

I will also request IOCB management to organize more invited lectures by the personalities from pharmaceutical, biotech, diagnostics industry/ successful start-up company and discuss about the current real life research problem they are facing in their respective industry and which might be worth solving beyond academic interest.

Many accomplished researchers from prominent pharmaceutical and biotech companies have lectures at the Prague Summer School - Advances in Drug Discovery, organized by the institute.

IOCB Tech invites experts on the topics related to its portfolio of applied research projects and can facilitate selection of speakers covering a concrete applied research topic of interest.

Questions

I would be interested to know how to deal correctly with waste solvents from HPLC. This is usually a mixture containing high percentage of water, methanol and/or acetonitrile. Due to high content of water it is not suitable for halogen or non-halogen solvents. It is a third type of waste, which many people do not know how to deal with and often just pour it down the sink. This is certainly incorrect.

This type of waste is processed in lab A01.32b, where the organic constituent is separated by distillation. It is optimal to hand it over in 5- or 10-litre solvent cans from Lach-ner company. The can should be labelled with description of content (methanol, acetonitrile...), concentration, contact details and to whom it should be returned. Cans should be delivered to A01.32b (or placed in front of the door or in B1.26 if the lab is closed).

Contacts: Mr. Strnad (l. 127, mobile 733 627 733) or Mr. Šimek (l. 228, mobil 731 447 856) – communication preferably in Czech. A new directive about waste management is expected soon.

I have noticed many of our colleagues are using mobile, laptop, taking call in office phone, opening the door while the contaminated hand gloves are on. This will contaminate themselves, others and might have a long term health effect. I believe this is not the right work practice. We should remove gloves while working with laptop, opening doors, taking a call etc. If the IOCB management also thinks the same, the management should make the employees aware of the proper work practice.

Employees working with chemicals defined as acutely or specifically toxic, carcinogenic, mutagenic, or harmful to foetus or environment, have to practise what is mentioned in the question above. While working with other chemicals it is necessary to abide by the instructions listed as a safety note on each chemical agent. All users must be acquainted upfront with the instructions on the safety note. Observing basic health rules is a natural thing while working in the lab.

Questions

Are there any plans to ease the bleak situation with parking for IOCB employees? The stack parker garages have limited capacity, are prone to faults and are in principle unsuitable due to extremely long waiting time during peak hours. Has there been any lease or purchase of parking lots nearby or maybe building a new capacity within IOCB premises considered? How is it with parking in building B basement?

There are 28 parking lots in the garages of which only one third is normally occupied. There is no way to amend the current stack parker system, which is regularly serviced by the supplier.

IOCB requested allocation and purchase of parking lots in front of the institute, but it was rejected by the municipality.

Some technical adjustments are planned within the campus which will enable limited legal parking in the yard as well. New reservation system and parking card allocation system will be proposed this year. Other parking options are available at NTK.

Questions

We would like to ask about the possibility of getting meal vouchers (“stravenky”) as a benefit instead of subsidized meals in limited number of canteens. Meal tickets allow extended flexibility of dining options particularly for colleagues with various dietary restrictions or handicaps, who now face difficulties with limited offer, which is often not suitable for them.

Can the newly opened Restaurant & Café BLOX on Evropská street be added to the system where subsidized dining is available?

Paper meal vouchers are considered tokens of value and have to be registered. An external firm would need to be hired to distribute them among the 750 employees. At the same time the diversity of the social fund offerings would be reduced and that is why the institute is not planning to introduce them.

Electronic meal vouchers may be considered in the future, after they are offered at Benefits.cz and numbers of venues in the neighborhood accepting them increases.

IOCB will negotiate adding Restaurant & Café BLOX to the current system.

Questions

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If money, place and popular support is available, I request IOCB management to consider opening a small gym inside the campus, where the employees can exercise and stay healthy.

There is no space to build an internal gym on the campus. After the garden landscaping is complete, IOCB is considering to place some outdoor fitness equipment there.

Various gym/dance classes attended by IOCB employees take place in the Club in building A almost every day.

Other workout/sport options are plentiful in the near vicinity (www.prahasportovni.cz)

Employees can also use the Multisport Card under the IOCB Benefit program.

**Přejeme Vám,
aby byl rok '18 plný
velkých objevů**

—
We wish you
many great discoveries
in the year '18

