



ÚOCHB ^{AV}
IOCB PRAGUE

Assembly of IOCB Employees

Zdeněk Hostomský

01/28/2019

Program

- Organizational changes
- Achievements in basic and applied research
- Collaboration with Weizmann Institute of Science
- Research Core Facilities
- IOCB Development Center
- IOCB income
- Benefit point system, lunch subsidy and meal vouchers
- Other
- Discussion

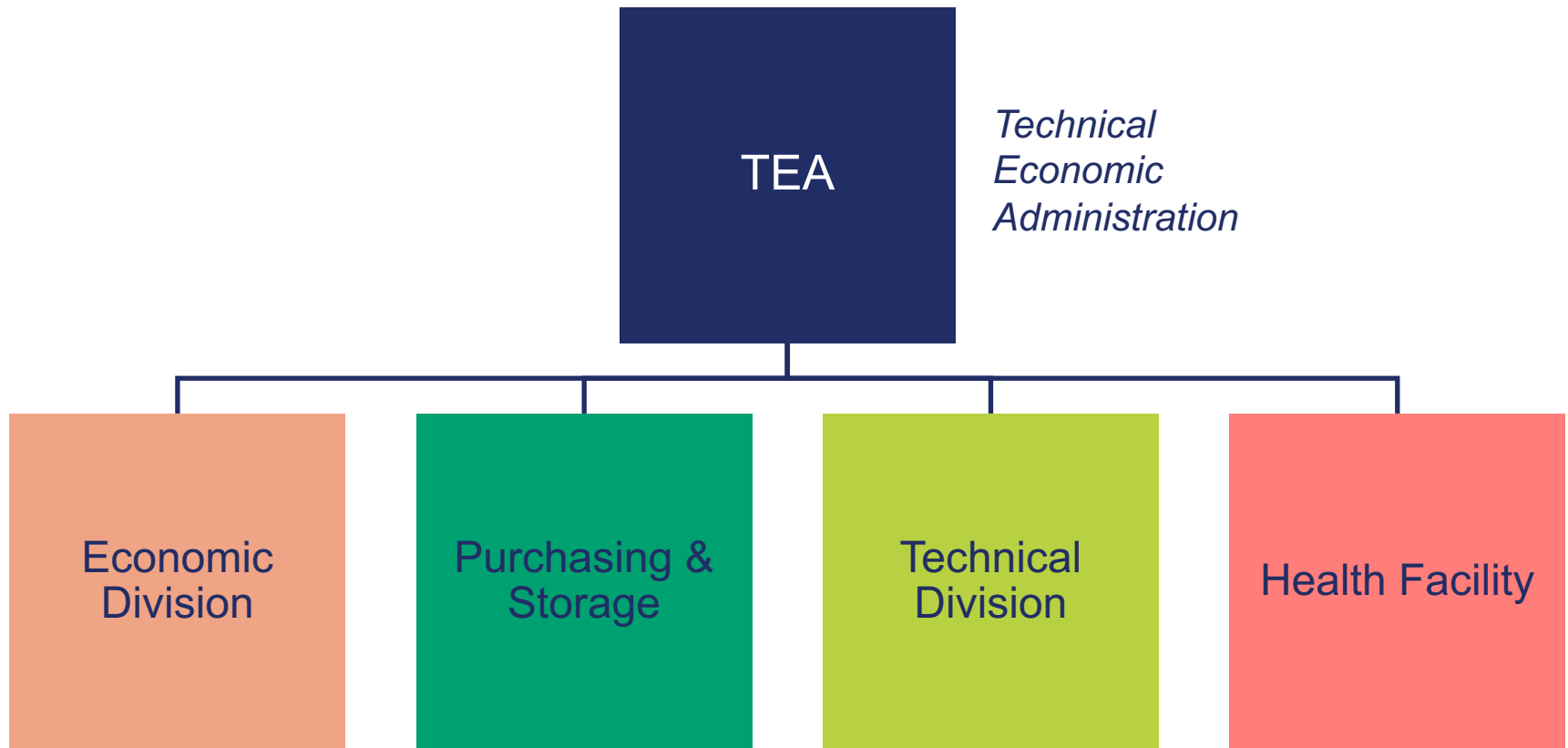
Organizational Changes - Groups

3

New Jr. Research Groups	New Targeted Research Groups	New Service Group	Terminated Groups	Transition to Distinguished Emeritus	Transition to Sr. Research Group
Jiří Kaleta <i>Molecular Devices</i>	Eva Kudová <i>Neurosteroids</i>	Pavel Šácha <i>IOCB Compound Library</i>	Filip Teplý Michael Bojdys Martin Kotora	Josef Michl	Radim Nencka
Tomáš Slanina <i>Redox Photochemistry</i>	Miloslav Polášek <i>Coordination Chemistry</i>				

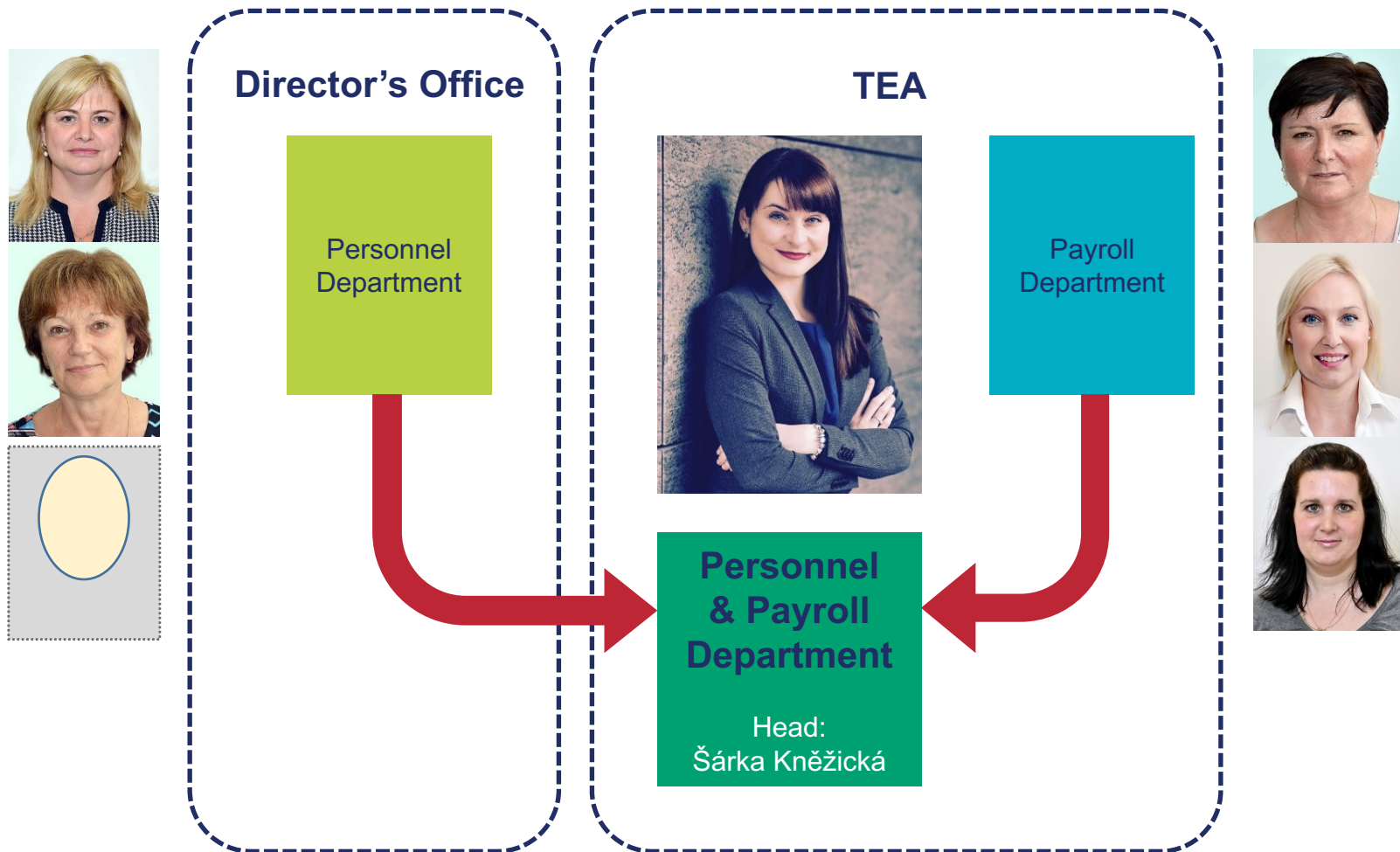
Organizational Changes - Administration

4



Organizational Changes - Administration

5

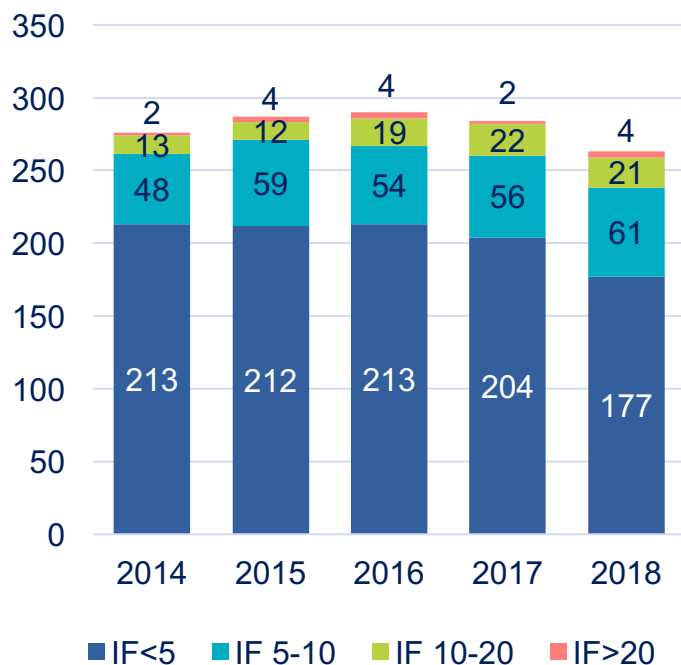


Publications 2018

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	289
2018	177	61	21	4	263

Publications in journals with IF



Most frequented journals (5+ IOCB publications/year)

	IF ²⁰¹⁷	Number of publications				
		2014	2015	2016	2017	2018
Journal of the American Chemical Society			5		5	
Angewandte Chemie - International Edition	12,1	8		7	5	5
Nucleic Acids Research		6			5	
PNAS	9,5					6
Nanoscale			5			
Organic Letters				5		
Chemical Communications			6	7	5	
Journal of Medicinal Chemistry			5	5	11	
Chemistry - A European Journal	5,2	8	13	7	5	17
Journal of Chemical Theory and Computation	5,4		10		11	5
Journal of Physical Chemistry C			5			
Scientific Reports				9	16	
Physical Chemistry Chemical Physics	3,9	12	16	7	9	6
Organic & Biomolecular Chemistry	3,4		7		6	6
Journal of Physical Chemistry B	3,2	10	10	8	7	8
RSC Advances			5			
ChemPhysChem				5		
Journal of Physical Chemistry A		7	6		7	
Chembiochem		5				
European Journal of Organic Chemistry	2,9	6				17
PLoS ONE		5	6		9	
Steroids			5		6	
ZooKeys			6			
Chemické listy		17		8		

Awards and Prizes

Otto Wichterle Award

Volodymyr Shvadchak

Neuron Award for
Young Scientists

Hana Cahová

Česká hlava –
Doctorandus Award

Ivana Mejdrová

Sanofi Prize for
Pharmacy

Ivana Mejdrová

Shimadzu Award

Ivana Mejdrová

Jean-Marie Lehn Prize

Daniel Bím

Awards and Prizes

FEBS Medal

Jan Konvalinka

Rudolf Lukeš Award

Ivo Stary

Highly Cited
Researchers

Pavel Hobza

FameLab

Karolína Pokorná

České hlavičky Award

Natan Sidej

SOČ

Tereza Gistrová,
Natan Sidej

Top Publications (selected by IOCB Board)

9

- ★ **Transport of Nucleoside Triphosphates into Cells by Artificial Molecular Transporters.** *Zawada Z, Tatar A, Mocilac P, Budesinsky M, Kraus T.* [Angew Chem Int Ed Engl.](#) 2018
- ★ **Inhibition of alpha-Synuclein Amyloid Fibril Elongation by Blocking Fibril Ends.** *Shvadchak VV, Afitska K, Yushchenko DA.* [Angew Chem Int Ed Engl.](#) 2018
- ★ **Arginine-rich cell-penetrating peptides induce membrane multilamellarity and subsequently enter via formation of a fusion pore.** *Christoph Allolio, Magarkar A, Jurkiewicz P, Baxová K, Javanainen M, Mason PE, Šachl R, Cebecauer M, Hof M, Horinek D, Heinz V, Rachel R, Ziegler CM, Schröfel A, Jungwirth P.* [Proc Natl Acad Sci U S A.](#) 2018

Top Publications (cont.)

10

- **Large Converse Piezoelectric Effect Measured on a Single Molecule on a Metallic Surface.** Stetsovych O, Mutombo P, Svec M, Samal M, Nejedly J, Cisarova I, Vazquez H, Moro-Lagares M, Berger J, Vacek J, Stara IG, Stary I, Jelinek P. [J Am Chem Soc.](#) 2018
- **Extremely rapid isotropic irradiation of nanoparticles with ions generated in situ by a nuclear reaction.** Havlik J, Petrakova V, Kucka J, Raabova H, Panek D, Stepan V, Cilova, Zlamalova Z, Reineck P, Stursa J, Kucera J, Hruby M, Cigler P. [Nat Commun.](#) 2018
- **Broad-spectrum non-toxic antiviral nanoparticles with a virucidal inhibition mechanism.** Cagno V, Andreozzi P, D'Alicarnasso M, Silva PJ, Mueller M, Galloux M, Le Goffic R, Jones ST, Vallino M, Hodek J, Weber J, Sen S, Janecek E-R, Bekdemir A, Sanavio B, Martinelli C, Donalisio M, Welte M-AR, Eleouet J-F, Han Y, Kaiser L, Vukovic L, Tapparel C, Kral P, Krol S, Lembo D, Stellacci F. [Nat Mater.](#) 2018
- **Affinity switching of the LEDGF/p75 IBD interactome is governed by kinase-dependent phosphorylation.** Sharma S, Cermakova K, De Rijck J, Demeulemeester J, Fabry M, El Ashkar S, Van Belle S, Lepsik M, Tesina P, Duchoslav V, Novak P, Hubalek M, Srb P, Christ F, Rezacova P, Hodges HC, Debyser Z, Veverka V. [Proc Natl Acad Sci U S A.](#) 2018
- **Theory of Molecular Vibrational Zeeman Effects as Measured with Circular Dichroism.** Keiderling TA and Bour P. [Phys Rev Lett.](#) 2018

- European patent EP 3094643: **Lipidated peptides lowering blood glucose** (*Maletínská, CZ ; Železná, CZ; Kuneš, CZ; Pražienková, CZ*). It protects lipidated analogues of prolactin releasing peptide, which are subject to NOVO Nordisk licence. Granted on October 17, 2018 (Belgium, Germany, France, Great Britain, Switzerland, Ireland, Luxembourg and Sweden. Also granted in Japan and Canada.
- American patent US 10,017,535: **Amphiphilic compounds with neuroprotective properties** (*Kudová, Chodounská, Kapras, L. Vyklický, Valeš, Jahn*). These compounds are tested for potential use in treatment of neuropathic pain. Granted on July 10, 2018. Also granted in Australia and Japan.

MŠMT: Inter-Excellence – Inter-Action – Bilateral projects on collaboration with USA

- **Petr Beier:** Synthesis and reactivity of N-fluoroalkylated compounds
- **Zlatko Janeba:** Design, synthesis and biological evaluation of potential modulators of human adenylate cyclases
- **Jakub Kaminský** (Petr Bouř group): Poly- β -malic acid and its role as a possible primitive predecessor of nucleic acids
- **Pavel Majer:** Tumor targeted prodrugs of glutamine antagonists
- **Radim Nencka:** Search for novel nucleoside analogs as antivirals against medically important flaviviruses

MŠMT: Joint Programming Initiative on Antimicrobial Resistance (JPIAMR)

- **Dominik Rejman:** Development of novel ribosome targeting antibiotics (RIBOTARGET)

GA ČR – EXPRO (Projects of Excellence)

- **Pavel Hobza**: Control of electronic properties of metal-containing molecules through their noncovalent interactions with solvents, ligands and 2D nanosystems
- **Pavel Jungwirth** (co-investigator): Concert of lipids, ions, and proteins in cell membrane dynamics and function

GA ČR – Standard Projects

- 19 out of 38 projects supported!

TA ČR – National Competence Centers Project

- **Martin Fusek**: PerMed (Personalized medicine)

„la Caixa” Banking Foundation: Health Research

- **Kvido Strišovský**: EMCphysiol: Organismal role of the ER membrane complex: a conserved machinery required for membrane protein biogenesis.

Collaboration with Weizmann Institute of Science, Israel

2017

- visit from Israel headed by the Israeli Minister and the Israeli ambassador to Czechia
- Prof. Irit Sagi from WIS appointed member of IOCB IAB
- visit of Martin Fusek to WIS – talks on future collaboration between IOCB Tech and Yeda Research and Development Company Ltd.

Collaboration with Weizmann Institute of Science, Israel

2018

- visit of Gil Granot-Mayer, director of Yeda, to IOCB
- meetings in Israel between representatives of IOCB and IOCB Tech on one side and the WIS and Yeda on the other → collaboration on two levels in the area of drug development with the potential application of research results in the treatment of cancer:
 - between research groups of both institutes (groups of Radim Nencka, Pavel Majer and Zlatko Janeba from IOCB)
 - between companies engaged in the transfer of research results to the commercial phase (Yeda – IOCB Tech)
- both institutes plan to submit joint projects for the Horizon 2020 program

Collaboration with Weizmann Institute of Science, Israel

2018 Joint Prague-Weizmann Winter School on Drug Discovery

- hosted by the WIS and commenced in the presence of the Czech ambassador Martin Stropnický (**co-organized by WIS, IOCB Prague, IOCB Tech and UCT**) thanks to initiative and efforts of Martin Fusek
- the school, intended primarily for PhD students and postdoctoral researchers, focused on various aspects of drug development, from medicinal chemistry to the commercialization of drugs
- lectures by experts from large pharmaceutical and biotech companies (MSD, Roche, Astra Zeneca or Pfizer) as well as from the academic sphere in Israel, Czechia, Switzerland, Sweden, UK and USA
- lectures on behalf of the IOCB were given by Zdeněk Hostomský, Martin Fusek, Jan Konvalinka, Lenka Maletínská, Radim Nencka, and Václav Veverka
- financial support from the IOCB made it possible for 15 of our PhD students and postdocs to attend



2018 Joint Prague-Weizmann Winter School on Drug Discovery



Collaboration with Weizmann Institute of Science, Israel

2019

- next joint summer school will take place in Prague (September 2-6, 2019)



6th Prague-Weizmann Summer School **ADVANCES IN DRUG DISCOVERY**
DRUG discovery and DEVELOPMENT from basic
research through preclinical to clinical phases
Prague, Czech Republic, September 2nd – 6th, 2019



Other IOCB Collaborations with Israel

19

- Hebrew University of Jerusalem (Pavel Jungwirth)
- Rabin Medical Center, Tel Aviv University (Iva Pichová)
- The Fritz Haber Center for Molecular Dynamics, Hebrew University of Jerusalem (Pavel Hobza)
- Tel Aviv University (Pavel Hobza)
- Bar-Ilan University (Kvido Stříšovský)

- **DIANA technology** was developed in the group of Jan Konvalinka by the team of Václav Navrátil
- **DIANA** (DNA-linked Inhibitor ANTibody Assay) is a novel ultra-sensitive multi-well plate based protein detection assay, which provides unique benefits in drug discovery and research diagnostics
- the **spin-off company DIANA Biotechnologies, Ltd.** was established in 2018 with the venture capital funding from the BPD Partners group in order to deliver DIANA products to the market. The company led by Václav Navrátil (CEO) is based in its own research facility in a biotechnology hub in Vestec near Prague.



- License Agreement with Dracen Pharmaceuticals – project of Pavel Majer group and Barbara Slusher group at JHU (i&i Prague: co-investor, IOCB Prague – royalties receiver)



- 4 Applications of Invention from Gabriel Birkuš group licensed to Gilead Sciences



- Agreement with BPD Partners to finance research project of Zuzana Kečkéšová with > 1.7 mil € in 5 years



- initiative of IOCB Board coordinated by Pavlína Řezáčová
- complement existing Research Service and Service Groups
- small units consisting of 0.5-3 FTE **embedded** in the research groups
- operates special equipment used by many users within the institute
- institute supports facilities by personal costs, operational costs, repair costs and equipment upgrades
- core facility is opened or closed based on user demand

- **SPR, IT calorimetry and AlphaScreen** hosted by J. Konvalinka group
- **Thermophoresis** hosted by M. Mareš group
- **Computations in chemistry and biology** hosted by P. Jungwirth group
- **Transmission electron microscopy** hosted by I. Pichová group
- **Scanning electron microscopy** hosted by I. Starý group
- **The confocal microscopy** hosting group to be announced.

IOCB campus & cottage

24

- enhanced parking space at IOCB premises
- renovation of IOCB cottage in Dolní Malá Úpa



- development on Papírenská street: architectonic study → project documentation

IOCB Development Center - Papírenská

25



IOCB Development Center - Papírenská

26





ÚOCHB AV
IOCB PRAGUE

DC IOCB

Development Center of the Institute of
Organic Chemistry and Biochemistry

since 2018

(IOCB Development Workshops since 1953)

Michal Lebl

Mission

- Serve the internal needs of the institute
 - Develop unique systems and technologies needed in research laboratories not available commercially
 - Extend life-time and improve functionality of scientific instruments
-

From 2018

- Commercialize internally developed tools and technologies

Results in 2018

29

- 205 Internal projects
 - 586 Small internal projects
 - 120 External projects
 - One European patent application
 - One license agreement with US partner
-

Inspiration - NASA

- Infrared ear thermometers
- Ventricular assist device
- LASIK
- Artificial limbs
- Light-emitting diodes in medical therapies
- Invisible braces
- Scratch-resistant lenses
- Space blanket

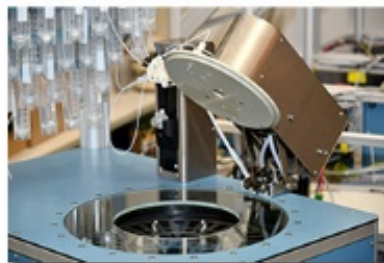
-
- (But not Velcro – it was Swiss engineer George de Mestral in 1941)

Website <http://dc.uochb.cz/>

31

DEVELOPMENT CENTER

OF THE INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY
OF THE CZECH ACADEMY OF SCIENCES



Small
Things

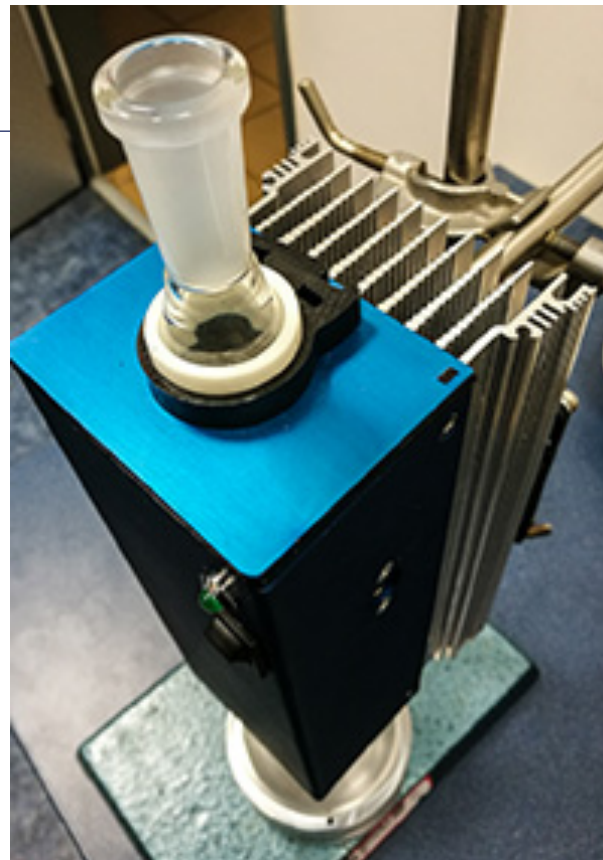
Large
Projects

For Everyday
Lab Use

Custom
Development

Maybe you don't know about...

- Electronic reflux condenser (ECooler)
- Saves water
- Goes to -10 °C



Maybe you don't know about...

- Aluminum heating mantle
- Oil/water bath replacement
- Eliminates hood mess
- Any volume, any container
- Modified thermometer



Maybe you don't know about...

- Stainless steel holders
- Saves space
- You can define any layout



Maybe you don't know about...

- Specialized glassware production capability
- Just use your imagination
- Highly experienced glass “artists”



Maybe you don't know about...

- **Spring-Loaded Cap for Axial Column Compression**
- Improves column performance
- Load you own column with any sorbent



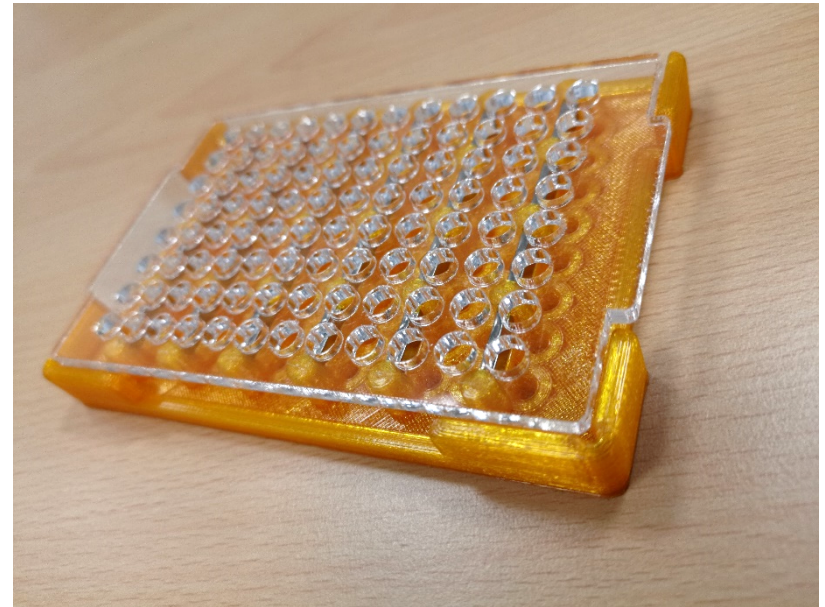
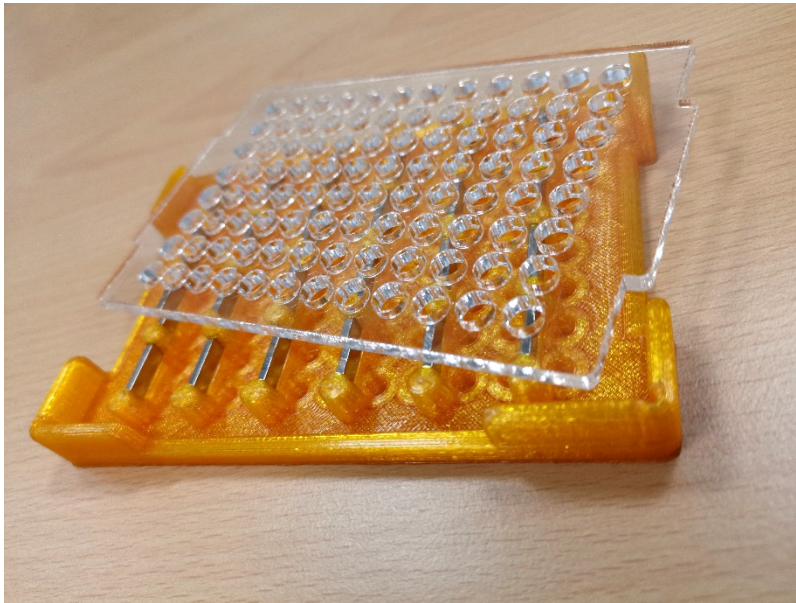
Maybe you don't know about...

- Small custom-made columns
- Precolumn, drying cartridge
- Reaction compartment



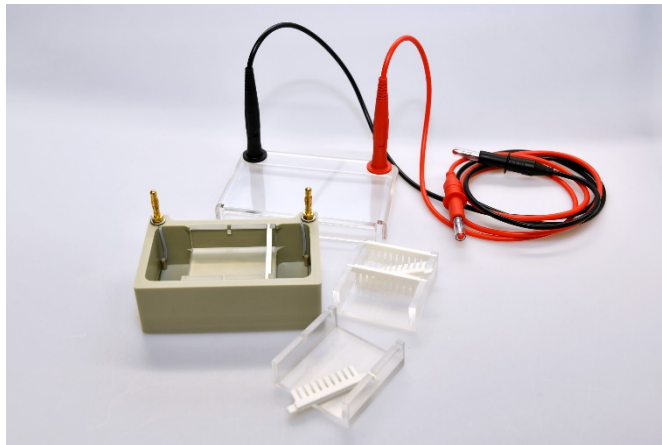
Maybe you don't know about...

- Magnetic beads concentrators
- You can define bead locations
- Any color



Maybe you don't know about...

- Electrophoresis systems
- Ultra small
- Super big



Maybe you don't know about...

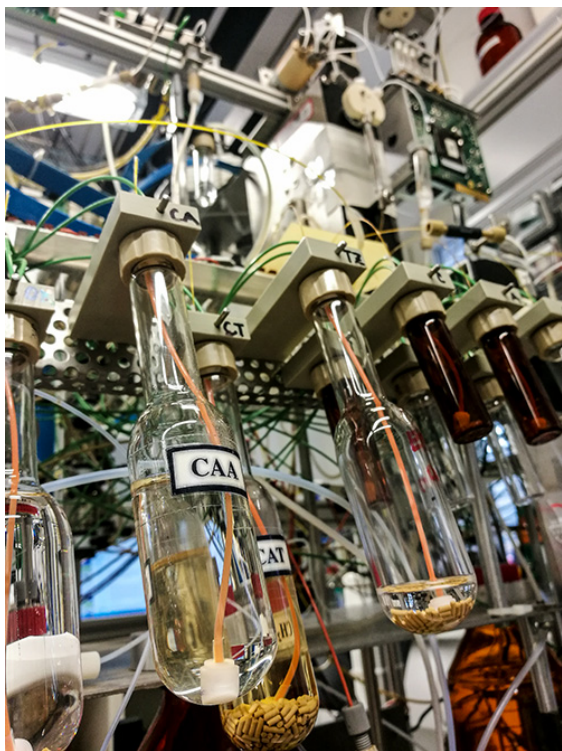
- Riocath urinary catheter
- Novel technology for scale-up production
- Alternative applications



Maybe you don't know about...

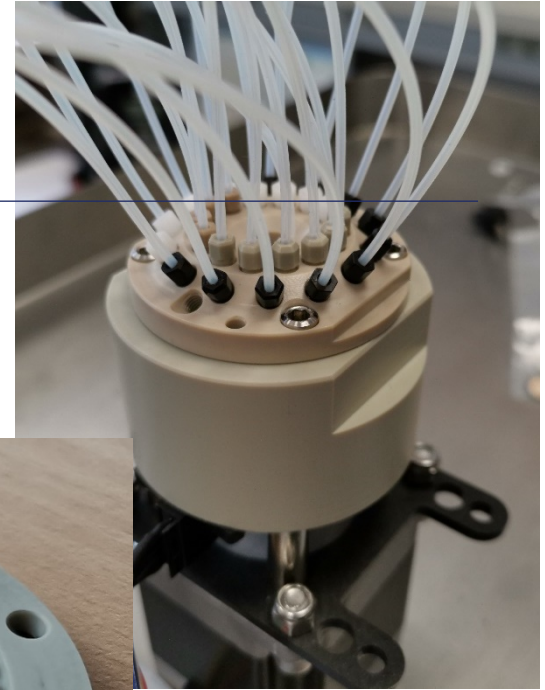
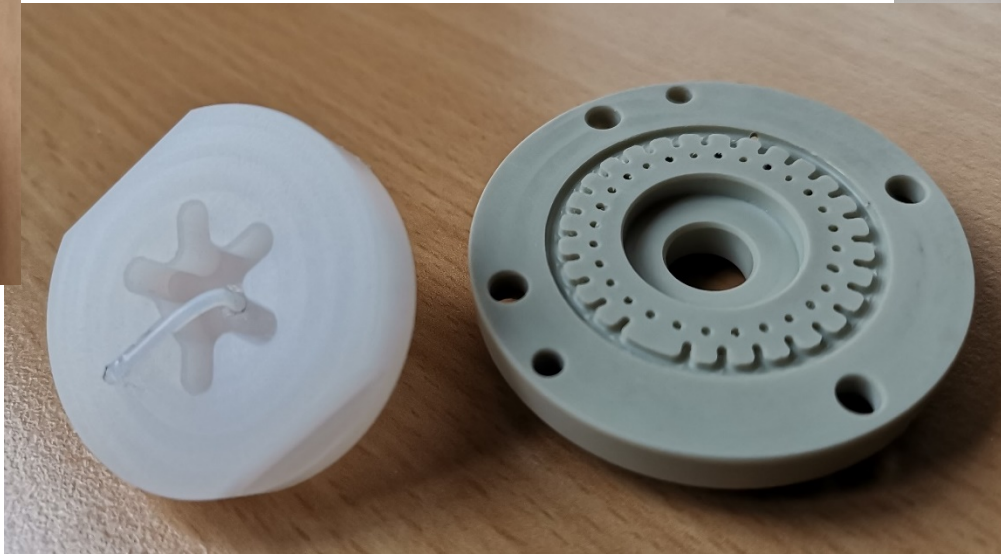
41

- DNA and peptide synthesizers
- New technologies
- Economies of production of components



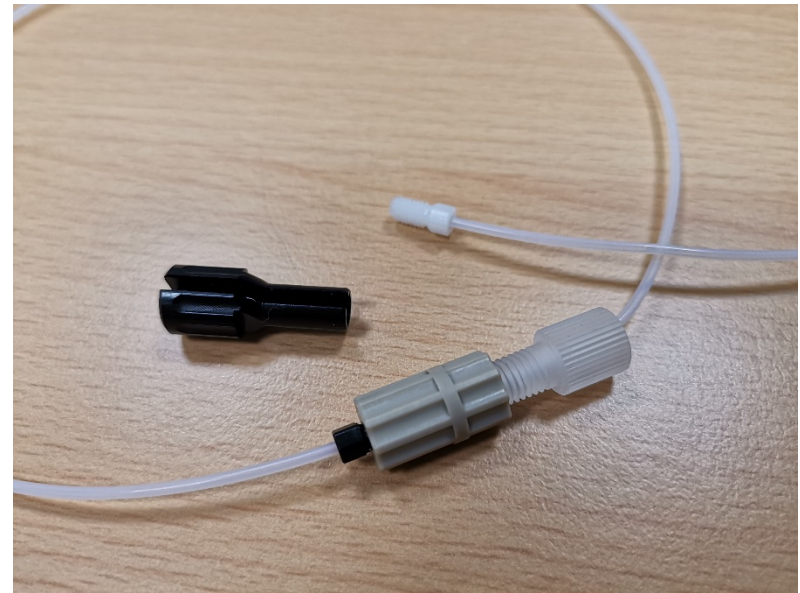
Maybe you don't know about...

- Compact 28-port distribution valve
- New concept of valve with no cross contamination
- Up to 28 ports



Maybe you don't know about...

- New 4mm fitting system
- Close proximity of connectors
- Teflon, PEEK, PP
- Compatible with 1/4 28
- Saves money



Maybe you don't know about...

44

- System for assemblies of Falcon tubes
- Any number of ports
- Any layout



Maybe you don't know about...

- Micro filters
- Teflon or polypropylene
- Stainless steel sheet filter or fritted material



Maybe you don't know about...

- System of caps for reactors
- Glass or plastic
- Completely air tight



Now

47

- You know what we can do for you
 - And for your friends anywhere in the world
-

IOCB Income

- A major patent bringing royalties to IOCB for TDF (tenofovir disoproxil fumarate), expired in May 2017
- A substantial shortfall in IOCB income was expected in 2018
- Thanks to the concerted effort of IOCB Tech, patent law firm Inventia and the IOCB director – a license for TAF (tenofovir alafenamide) was successfully negotiated with the Gilead management until 2025

Established infrastructure for technology transfer, intellectual property protection and licensing, and for investments

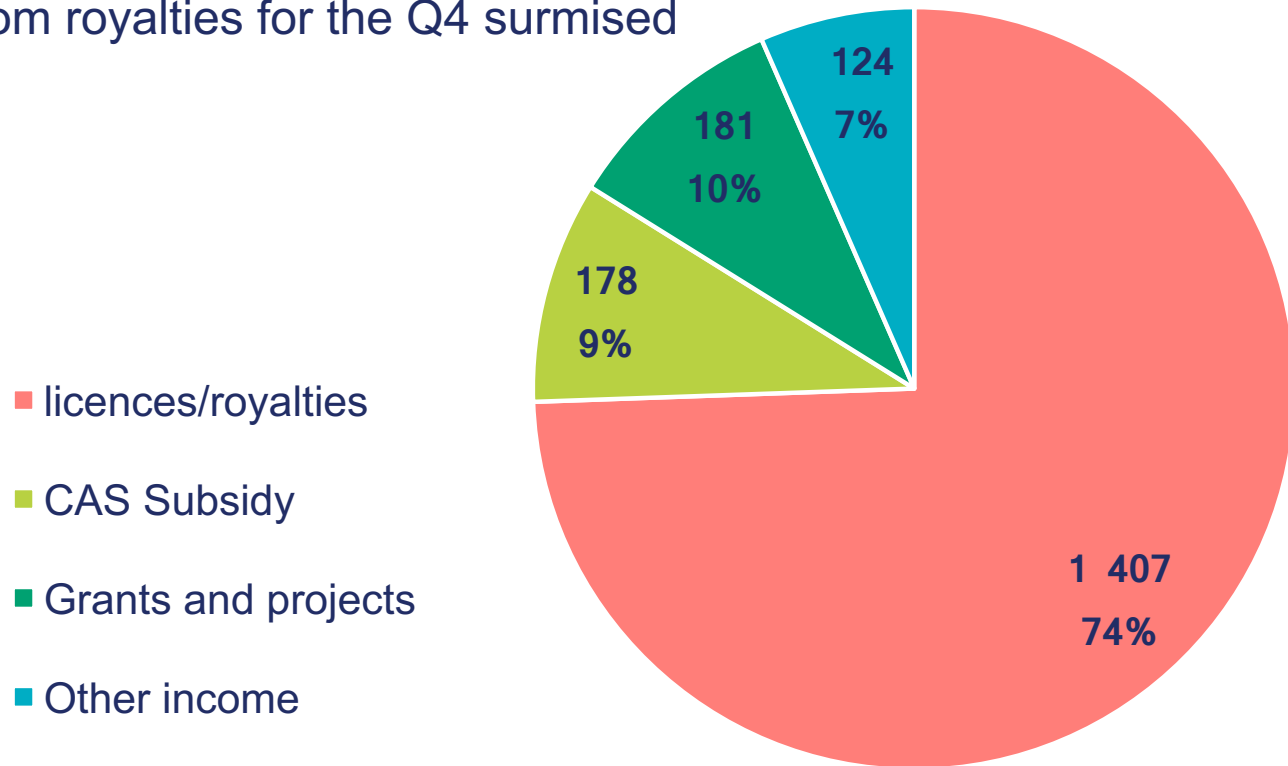
IOCB Tech

i&i Prague

inventions | investments

Structure of IOCB Income (2018) in mil. CZK

- Total revenue: 1 890 mil CZK
- Income from royalties for the Q4 surmised



2018 in HR numbers

50

- IOCB employees as of December 31, 2018: **812** (~617,3 FTE)
- joined 174, left 106
- **171** PhD students
- **173** international employees
- financial support of **3 285 709** CZK total for **37** working mothers
- benefit points used: **4 280 246** (lunch subsidy, pension subsidy, Benefit.cz and Multisport card)

Social Fund & Changes in the Benefit point system

- New Collective Agreement incl. usage of Social Fund in 2019 agreed by Labor union and IOCB management in December
- System change since January 2019:
 - increased lunch subsidy
 - lunch subsidy will not be deducted from employee's benefit points
- System changes since April 2019:
 - electronic meal vouchers/cards will be introduced (with credit top-up in April/May)

Lunch subsidy and meal vouchers – new benefits

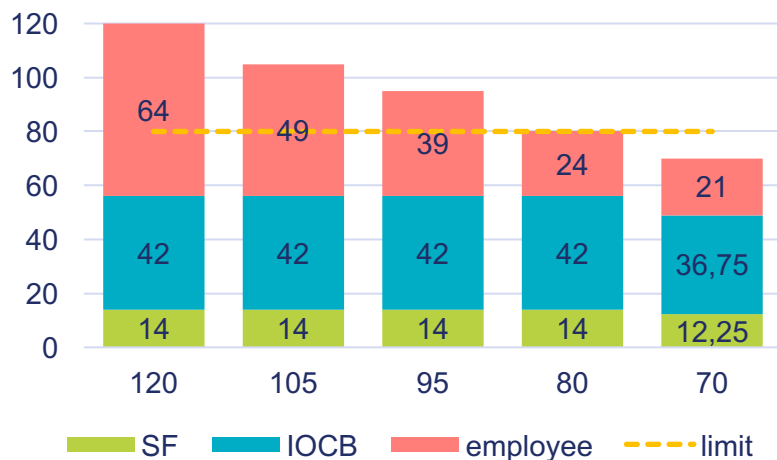
- Increased lunch subsidy
- Benefit points system completely separated from the lunch subsidy system
- Implementation of electronic meal vouchers/cards (“stravenky”)
- Greater variability of dining options for employees

Lunch subsidy

53

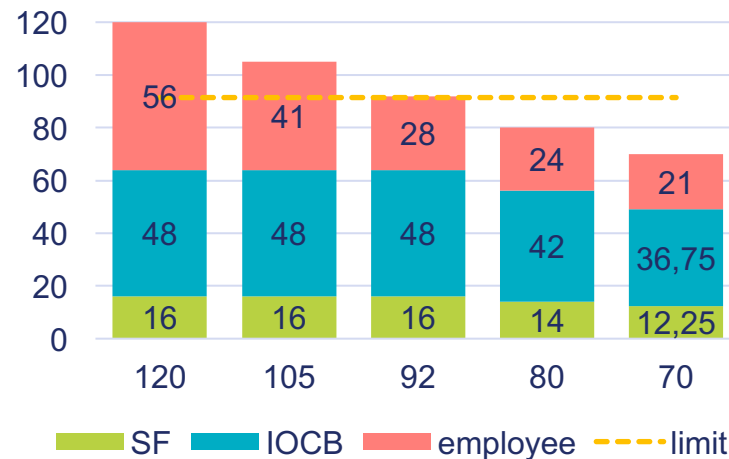
2018

- social fund **17,5%**, max. **14 Kč**
- IOCB **52,5%**, max. **42 Kč**
- total **70%**, max. **56 Kč**
- max. subsidy – for lunch **over 80 Kč**



2019 (since January 1)

- social fund **17,5%**, max. **16 Kč**
- IOCB **52,5%**, max. **48 Kč**
- total **70%**, max. **64 Kč**
- max. subsidy – for lunch **over 91,43 Kč**

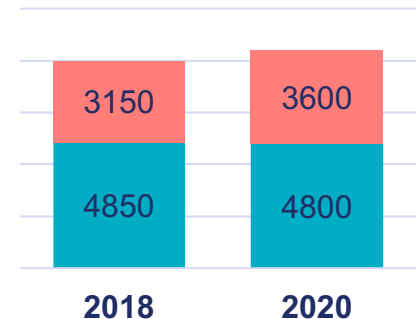


Disconnection of lunch subsidy from benefit points

- Lunch subsidy from Social Fund (16 Kč) is not deducted from benefit points since January 1
- Benefit points awarded to a full-time employee will be reduced to 4800 points per year
- 5600 points per year in 2019 as a lunch compensation for the period of January-March)

Model situation for a full-time employee having lunch every worked day:

2018 (8000 points)		2020 (4800 points + lunches)	
Lunches	Other benefits	Lunch (equivalent)	Other benefits
225 days x 14 points = 3150 points	4850 points	225 days x 16 points = 3600 points	4800 points



Electronic meal vouchers (cards)

55

Gastro Pass CARD (SODEXO) – a debit card with following limitations:

- payments **exclusively for food** in contracted restaurants and stores
- **accepted by** a number of nearby **restaurants** (see www.sodexo.cz) including the new **operator of the IOCB café**
- **NOT accepted** at CTU canteens („Menza“)
- daily payment limit: **500,- Kč**
- credit is of **limited validity**:
 - credit gained from Jan to Aug: must be used by the end of the year
 - credit gained from Sep to Dec: must be used by the end of the next year
- the credit balance can be checked anytime in SODEXO online account (web or mobile app)



Electronic meal vouchers (cards)

56

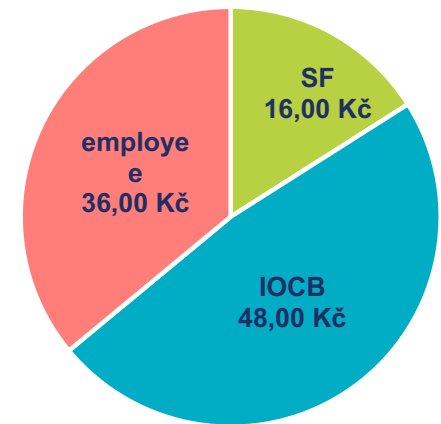
- Registration for meal vouchers is **voluntary**
- Ordering of new Gastro Pass cards: 2-4 weeks
- Registered employee will receive **retrospectively** a **top-up** on his/her card of as much credit every month as he/she is entitled based on the number of worked days in the previous month and number of lunches taken in the canteens (“Menza”)
- applicable for min. part-time 3 hours per entitled day according to employee contract
- the amount of the employee's contribution will be deducted from his/her salary
- existing system of payment by employee cards in canteens still in place
- Gastro Pass cards are accepted also in some supermarket chains (Albert, Billa, Žabka...)

Electronic meal vouchers

57

Meal voucher **credit: 100 Kč** for each worked day when no canteen lunch was taken

- 16 Kč subsidy from Social Fund
- 48 Kč subsidy by IOCB
- 36 Kč deducted from employee's salary



Example:

Zdeněk worked 21 days in April. He has visited Menza eight times, but once it really did not work so he just ordered a soup. In total, he took 7 lunches containing main meal. In May, he will receive credit top-up of:

$(21 - 7) \times 100 \text{ Kč} = \mathbf{1400 \text{ Kč}}$, out of which:

- $(21 - 7) \times 64 \text{ Kč} = \mathbf{896 \text{ Kč}}$ is **subsidy** from SF and IOCB,
- $(21 - 7) \times 36 \text{ Kč} = \mathbf{504 \text{ Kč}}$ **will be deducted** from Zdeněk's salary.

Zdeněk must use this credit by the end of the year.

Electronic meal vouchers (cards)

58

	September			October		
	<i>entitlement (entitled worked days)</i>	<i>lunches in menza</i>	<i>maximum lunch subsidy in menza</i>	<i>meal vouchers for September</i>	<i>subsidy for meal vouchers</i>	<i>total subsidy for September</i>
lunch daily in menza	20	20	1 280 Kč	0	0	1 280 Kč
sometimes lunch in menza, applied for meal vouchers	20	10	640 Kč	10	640	1 280 Kč
sometimes lunch in menza, did not apply for meal vouchers	20	10	640 Kč	0	0	640 Kč
does not go to menza, applied for meal vouchers	20	0	0 Kč	20	1280	1 280 Kč
does not go to menza, did not apply for meal vouchers	20	0	0 Kč	0	0	0 Kč

Acknowledgement

- Supporting research and people at IOCB

59

IOCB
Development
Center

Internal
Administration
and
Transport

Technical
administration
and
maintenance

Purchasing
and Storage

ITS &
Library

Economic
Division

Grant Office

Personnel &
Payroll
Department

Secretariat

Patent and
License
Office

Health
Facility

Communi-
cations

Waste
Management

OP VVV
Office

Legal Office

Safety Office

Martina Roeselová Memorial Fellowship

60

- Martina Roeselová Foundation established in 2017
- 4 winners awarded in 2018:
 - **Klára Frydryšková** (Faculty of Science, Charles University/ PřF UK)
 - **Barbora Melkes** (Faculty of Science, Charles University/ PřF UK)
 - **Silvie Rimpelová** (University of Chemistry and Technology Prague/ VŠCHT v Praze)
 - **Petra Šedová** (FNUSA-ICRC: International Clinical Research Center of St. Anne's University Hospital Brno/ Mezinárodní centrum klinického výzkumu Fakultní nemocnice u sv. Anny v Brně)



Upcoming events 2019

61

- 6th Prague-Weizmann Summer School – Prague (September 2-6)
- Evaluation of Junior Groups by IAB (September 20-21)
- Molecular Rotor/Motor Workshop hosting Ben Feringa and Sir J. Fraser Stoddart (November 21-22)
- Dream Chemistry Award 2019 (December 2-3)



ÚOCHB AV
IOCB PRAGUE ČR

Discussion

Questions

Is there a plan to correct ordering in Albina, when a random company name pops up instead of name based on a written text, and after selecting a company, a window will open that covers half of the form? Plus, can the order number and status of your order be visible to the user of the system? I'm sure this data would save a lot of phone calls to the purchasing department.

This requirement was assigned to the system administrator in September last year, but has been postponed due to capacity limitation in order to resolve more urgent problems (the new wage system). The general advice we provide for similar queries is that the user first completes the order fields and then submits the name of the supplier. This is unfortunately not a guaranteed procedure that always solves the situation.

We have CHEMS program at IOCB administered by Mr. Šácha. If users want an overview of the status of the order, this information can be obtained from this system. A discussion with the supplier has been going on for some time to copy the data from Penízky systém to Albina, but the implementation has not happened for the same reason as in the first part of the question.

Can we have an online repair and error reporting system? For some repairs, it is clear who is in charge, but sometimes it happens that one is finding a person responsible for this defect, and no one has a remedy, or two people are throwing it between themselves. It would also be easier for foreign workers.

Introduction of the system is in plans, we are looking for a suitable technical solution which will be compatible with the existing systems.

Could a complete inventory of specialized devices (machines costing hundreds of thousands and above) be put together with a contact of the person responsible for training / supervision? Now there is no united list of instrumentation, and one does not always know what can be used in our institute.

The instrumentation catalogue is available on the IOCB web pages. The extent of instruments which should be cataloged and the process of obtaining the information about new purchases is being/will be consulted with the IOCB board.

Questions

1. For how long is the footage from the surveillance cameras stored?
2. What is the footage used for?
3. Who has access to it?
4. Are the cameras connected to the internet, and if yes, how are they protected against unauthorized access?

-
1. The average storage time is 1 month.
 2. Cameras monitor the area around the building, entrances and gates to the institute, courtyard and stairwells. The camera system does not monitor individual corridors, offices, or labs. Outdoor records are often used by the Police of the Czech Republic, camera recordings inside the building are used eg. in the case of vandalism, theft, proof of claims, etc.
 3. Only a few people from the Institute's Maintenance have access to camera system records. They are not provided to other persons, in case of interest of the Police of the Czech Republic, the record is issued only upon official request.
 4. No, cameras are not accessible from the Internet.

Questions

Are e-mail and web traffic monitored, and if yes, in what ways?

The contents of email traffic are not monitored. The email traffic is logged, the log file records date, time, size, sender and recipient of every email message processed by our email server(s).

The outgoing web traffic (the traffic from a client/browser in the IOCB network to external servers) is not monitored. Targeted and limited temporary monitoring of selected and limited type of traffic can be exceptionally and temporarily executed in case of pending security problem.

The incoming web traffic (communication to IOCB web servers and services) is logged the standard way on these servers (date, time, URL and client IP are logged) for security, diagnostic, and statistics reasons.

1. Could the standard of the restrooms be improved? It seems that things are falling apart gradually and nobody cares. E.g. at men's restroom (building B, level 4) I can see several problems: a broken toilet brush holder, the brush is in a bad shape too, stains from repeated seepage on the ceiling, soap containers corroded and covered with sediments.
2. Could we have disinfectant foam installed in each cubicle at restrooms?

-
1. Should you notice any problem with regards to cleaning, missing sanitary accessories or malfunctioning features, please contact Ms. Váchová (lucie.vachova@uochb.cas.cz), who deals with the reported defects flexibly and promptly.
 2. Management is considering this suggestion and we expect installation of the disinfectant containers will be implemented.

Questions

69

Could the institute organize a clearing and clean-up of the fridges in the common kitchenettes? Often there is a forgotten moldy food, layers of sticky dirt, etc. You cannot put things anywhere without getting it dirty. Can we hire a cleaning service to do a clean-up at least once a year? It would be enough to post a notice a week ahead so people can take care of their belongings or get it discarded.

The responsibility for administration, usage and cleaning of the common fridges lies with the groups who use the particular kitchenette. It is up to the users or eventually on their group leaders to set such system of clean-up which the users will mutually respect.

Questions

70

It is a bit odd that an institute of the size of IOCB lacks a decent Common Room. To counter that, may I suggest to keep the beautiful "Café Organica" open 24 hrs a day (or at least till 8pm), and ideally including weekends. The following functions spring to mind: Tea Time (~4pm), High Tea (~7pm), meeting colleagues from other labs in a decent setting, treating guests to a glass of sherry before taking them for dinner, contemplation about unfulfilled academic dreams.

If a part-time butler could be employed to cater for the needs of weary scholars, then all the better (butlership could perhaps be a part-time student job).

IOCB management will consider this suggestion. However, the general problem is lack of space in the campus. Café Organica is primarily designated for restaurant style of dining during lunchtime. Negotiations with new prospective tenants is under way.

Questions

I believe the somewhat neglected park in front of the Institute deserves a facelift, to make it more welcoming and representative. Contrast with the neatly trimmed lawns around the National Technical Library is stark indeed. I would imagine a suitable sculpture representing e.g. one of the curative molecules discovered by Dr. Antonín Holý may well fit in there. The entire park would then be likely perceived as part of the Institute, thus further enhancing its fame and influence. In a way, it would emulate the role of a College Garden in a traditional university.

The land on Flemingovo náměstí is a property of the Prague municipality and IOCB does not have any authority to decide how to make use of the park. However, this area is considered part of the „Kampus Dejvice“ initiative, which strive to improve the environment in the frame of a broader architectonic study.

Each IOCB employee can also actively participate in the participative budget project of Prague 6 – Idea for the Sixth III. 2019 call will open soon at www.vote.d21.me/cs/info/napadprosestkuii

UO₂₀CH₁₉B

**Ať je Váš rok 2019 ideální
sloučeninou těch nejlepších
ingrediencí**

Let your 2019 be an ideal
compound of the very
best ingredients



**ÚOCHB AV
ČR**
IOCB PRAGUE