

IOCB General Assembly

Welcome



ÚOCHB AV
CR
IOCB PRAGUE

3/1/2024

Program

- Organizational changes
- Financial situation
- Publications 2023
- New grants
- Awards & prizes
- Updates from HR
- Wages development (comparison)
- Construction of Building K, IOCB estates
- Miscellanea
- Updates from the IOCB Board
- Discussion



Organizational changes

Changes in Research Groups

- Establishment of Junior Group of Paulo Paioti
- Establishment of Senior Group of David Sabatini
- Promotion of Junior Group of Jiří Kaleta to Senior Group
- Termination of Junior Group of Sebastian Zoll



Changes in service units

- The system was complicated - Service Groups, Research-Service Groups and Research Core Facilities (embedded subsets of Research Groups)
- Internal audit of all service units in 2023
 - report on the status of equipment and personnel
 - feedback from users
 - discussions with service unit managers



New division of Research-Service Groups



Changes in service units

New division of Research-Service Groups:

- a) Want to keep the scientific part (NMR, Virology and Drug Discovery)
 - **Prospective transfer to Research Groups**
 - Will be subject to evaluation by IAB
 - Core funding from the institute, the rest will be provided by grants
 - Will have an embedded Research Core Facility

- b) Intend to remain pure service groups (Biochemical Pharmacology, Elektromigration Methods, Cryo-EM, MS)
 - **Transfer to Core Facilities** (formerly “Service Groups”)
 - Primarily providing services to Research Groups
 - Included in grants of Research Groups
 - Organizing of training and seminars
 - They submit a report on their activities each year, which will form the basis for the budget and plan for the next period
 - The scope of the services will depend on user interest



Changes in service units

- Renaming of "Service Groups" to Core Facilities
- Transfer of 4 Research-Service Groups to Core Facilities
- Establishment of a new Core Facility "Proteomics"
- "Core Facility" vs. "Research Core Facility"
- Establishment of 2 new Research Core Facilities
 - Metabolomics (Tomáš Pluskal)
 - Electron Microscopy (Iva Pichová)
- Establishment of Joint Laboratories (Stella Gonsales - UCT)



Changes in service units

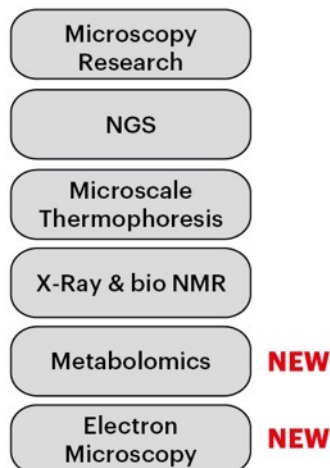
Scientific Section (Groups) Previous scheme 2023



Scientific Section (Groups) New scheme 2024



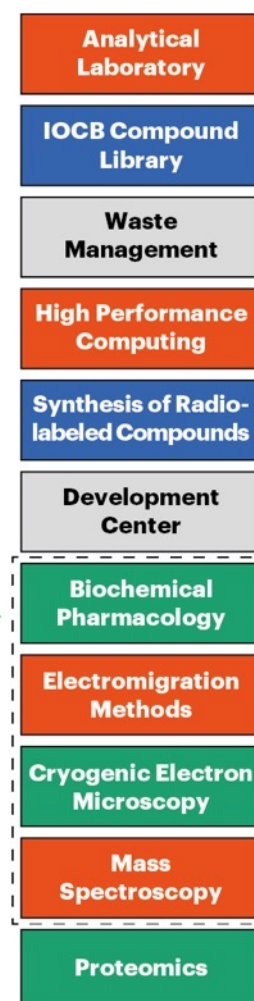
Research Core Facilities (within groups)



Research-Service Groups



Service Groups Core Facilities



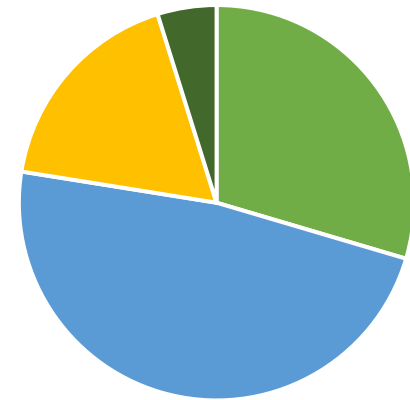
Financial situation

(as of 30. 9. 2023)

Expenses

- Personnel costs: CZK 527 Mio
- Material, Energy, Services: CZK 325 Mio
- Depreciation: CZK 194 Mio

Expenses 09/2023

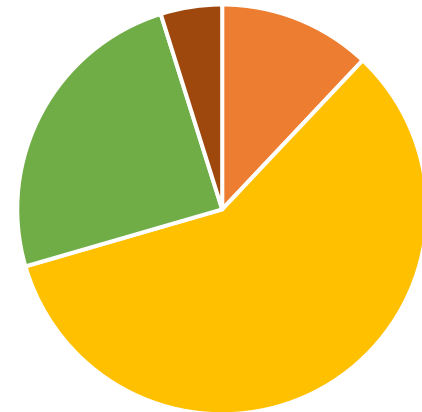


■ Material, Energy, Services ■ Personnel Costs
■ Depreciation ■ Other expenses

Revenues

- Sales-Royalty Payments: CZK 1.628 Mio
- Financial revenues: CZK 686 Mio
- Operating subsidies: CZK 335 Mio

Revenues 09/2023



■ Operating subsidies ■ Royalty Payments
■ Financial revenues ■ Other Revenues

Royalty Payments

from Gilead Sciences

- 2022: 141 mio. USD = 3,24 bil. CZK
- 2023: 154 mio. USD = 3,54 bil. CZK
- 2024: 160 mio. USD = 3,68 bil. CZK (estimated)
- 2025: 120 mio. USD = 2,76 bil. CZK (estimated)

The last royalty payment to IOCB will be made in Q3 2025.

Since 2026:

It will be necessary to draw on the reserve fund to achieve a balanced budget (a legal obligation). The main revenue components of the Institute's budget will be:

1. State subsidies
2. Funding from grant agencies
3. Interest on funds deposited (approx. CZK 500 million/year)

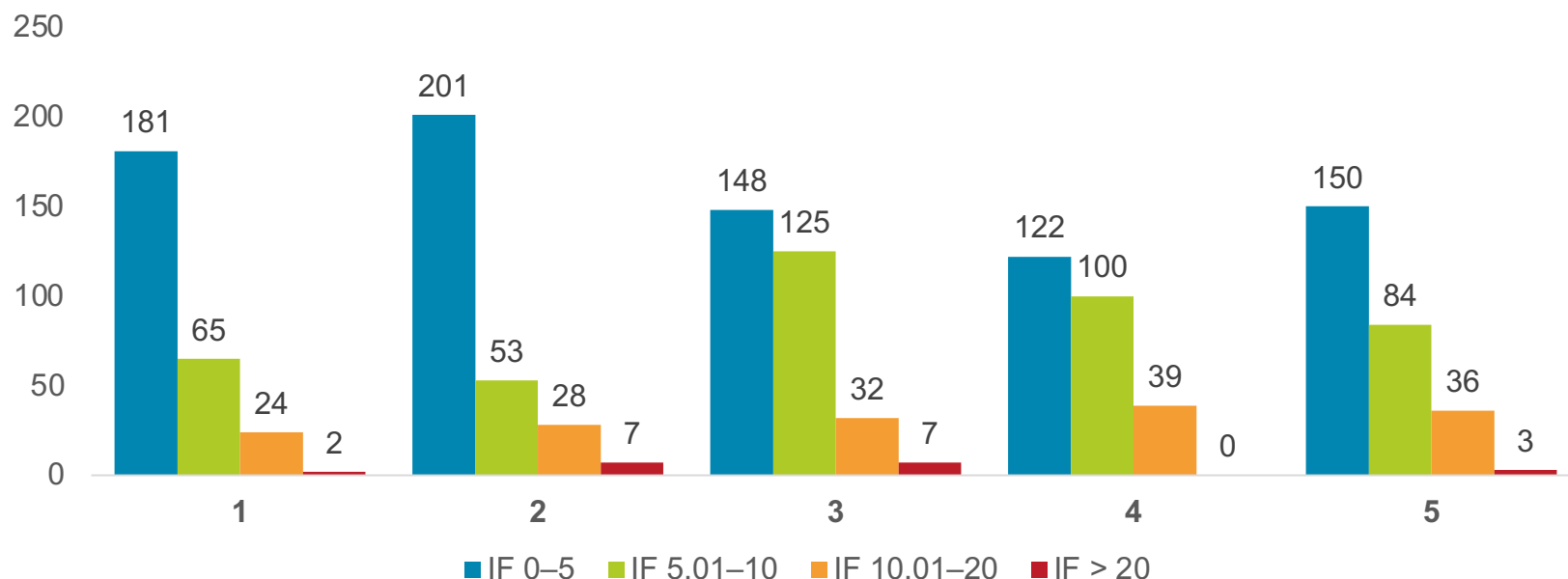
Measures to assess royalties:

From 2024 onwards - investments using other financial instruments of ČS & ČSOB



IOCB Publications 2023

Year	IF 0–5	IF 5.01–10	IF 10.01–20	IF > 20	Total
2019	181	65	24	2	272
2020	201	53	28	7	289
2021	148	125	32	7	312
2022	122	100	39	0	261
2023	150	84	36	3	273



Selected European grants



ERC Advanced Grant:

- **Pavel Jungwirth:** Q-SCALING: Modelling Ion-Controlled Biological Processes with the Correct Molecular Toolbox (2023–2028)

HORIZON EU HOP ON:

- **Robert Hanus:** Smellodi (2023–2025):



OP JAK Projects

(Johannes Amos Comenius Excellent Research)



Supported projects – 5 years (2023-2028)

RNA4T: RNA and therapy

Coordinator: IOCB

IOCB Participants: Michal Hocek, Hana Cahová, Pavlína Řezáčová,
Edward Curtis

AMULET: Advanced multiscale materials for key supporting technologies

Coordinator: Institute of Physical Chemistry (CAS)

IOCB Participant: Petr Cígler

NETPharm: Individualized pharmacy: New approaches and methods in the study of drug safety

Coordinator: Faculty of Pharmacy in Hradec Králové (Charles University)

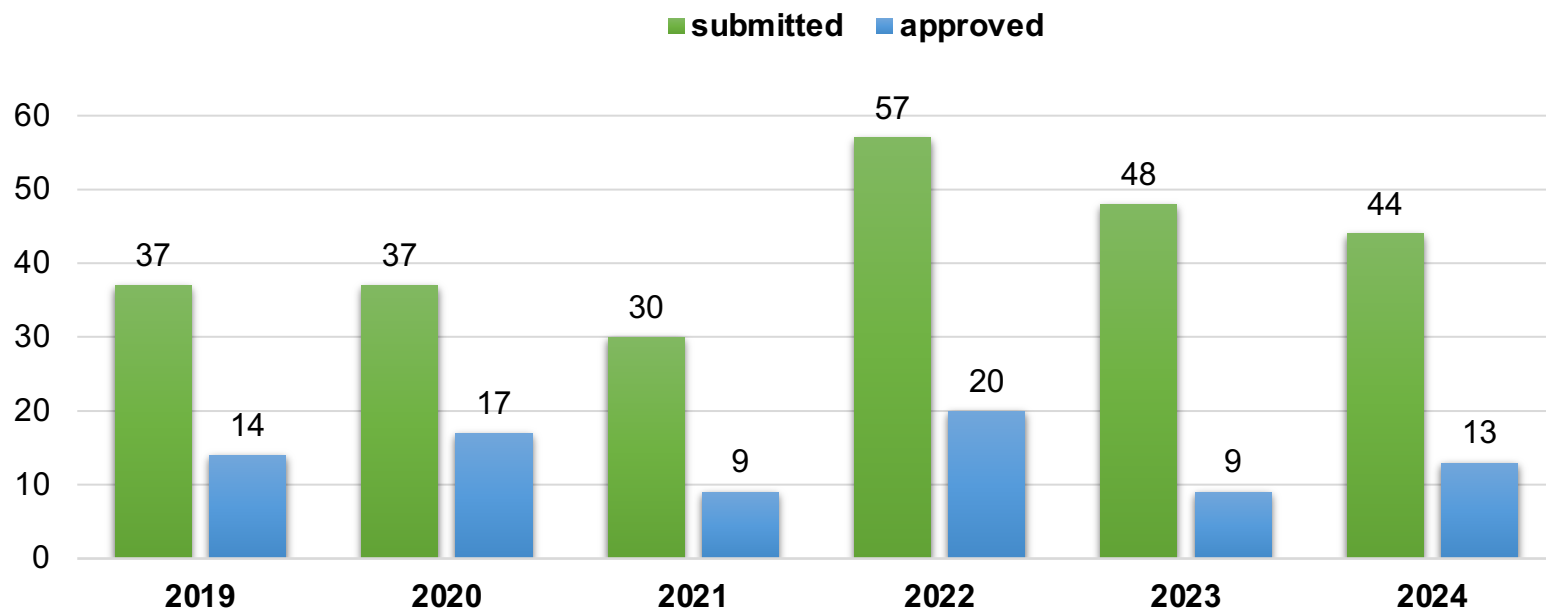
IOCB Participants: Radim Nencka, Evžen Bouřa, Milan Vrábel

Project Administration: Big Projects Department – Blanka Hajná, Libor Daněk



IOCB Success rate

in GA ČR grants (standard projects)



Comparison of IOCB and overall success rate in GA ČR grants

	2019	2020	2021	2022	2023	2024
ÚOCHB	38 %	46 %	30 %	35 %	19 %	30 %
GA ČR	32 %	25 %	17 %	16 %	19 %	15 %



International grants 2023

	Ongoing Projects	New Projects
AV ČR Mobility Plus	5	0
MŠMT Mobility	0	1
EMBO PF	1	0
*ERC AdG	0	1
*ERC StG	2	0
*ERC PoC	1	0
MŠMT JPI	1	0
*MSCA IF GF	1	1
MSCA-IF-EF-RI	1	0
*MSCA-WF-EF	1	0
MSCA4Ukraine	0	1
*MSCA ITN	2	0
*H2020 INFRADEV	1	0
*HEU CL6 CIRCBIO	0	1
*HEU HOP ON	0	1
MIT CZ Seed Fund	1	0
TA ČR CHIST-ERA IV.	0	1



Selected Awards 2023

- The most important award of the CAS, *the honorary medal De scientia et humanitate optime meritis* for particularly meritorious activity in the field of science and humanitarian ideas, was awarded to **Martin Fusek**. He was also awarded the *Gold Medal of Charles University*.
- The Minister and Chairwoman of the R&D&I Council Helena Langšádlová awarded **Jan Konvalinka** with the *R&D&I Council Chairwoman Award*.
- **Tomáš Slanina** received the prestigious *Neuron Prize* for Young Scientists in Chemistry, awarded by the Neuron Foundation. He was also the recipient of the *Award of the Learned Society of the Czech Republic* in the category of "Junior Scientist" for outstanding scientific achievements in the field of photochemistry and was also awarded the *Thieme Chemistry Journals Award 2023* for young scientists with high potential in the field of synthetic organic chemistry.
- **Irena Valterová** was awarded the *Medal of the Czech Chemical Society* for her lifetime contribution to the chemical and natural sciences and for her long-standing work for the Czech Chemical Society.



Selected Awards 2023

- **Eva Bednářová** (Tomáš Slanina Group) and **Terezie Páníková** (Jiří Jiráček Group) were awarded *Josef Hlávka Award* for the best students and graduates.
- In the Young Scientists Competition for the *Jean-Marie Lehn Prize* in Chemistry, **Adam Jaroš** from Lubomír Rulíšek Group came third and **Jakub Štoček** from the NMR Spectroscopy Group came first.
- **Robin Kryštůfek** (Jan Konvalinka Group) won the 3rd place in the category of Best Thesis of the *Werner von Siemens Prize*.



HR Updates

(as of 31. 12. 2023)

Personnel stats

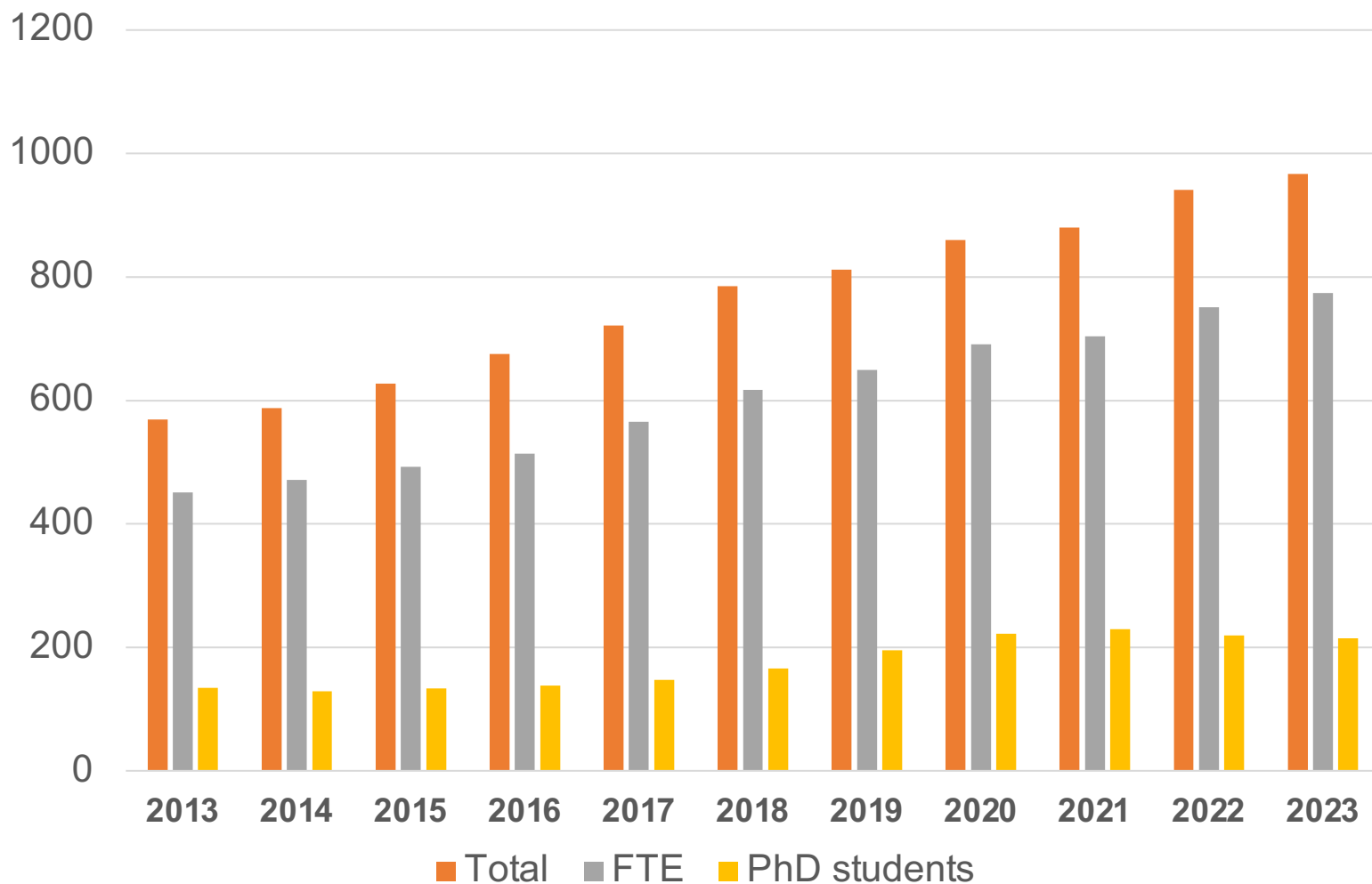
- Total 967 employees (774 FTE), out of which 347 researchers and 215 PhD students
- 506 men (52%), 461 women (48%)
- 63% scientific positions (predominantly men), 37% non-scientific positions (predominantly women)
- 28 employees on maternal or parental leave and 10 on unpaid leave
- 12 disabled employees
- 58% employees – 40 years old or less, (33% under 30 years)
- 26% employees are foreigners
- 82% employees are university degree holders



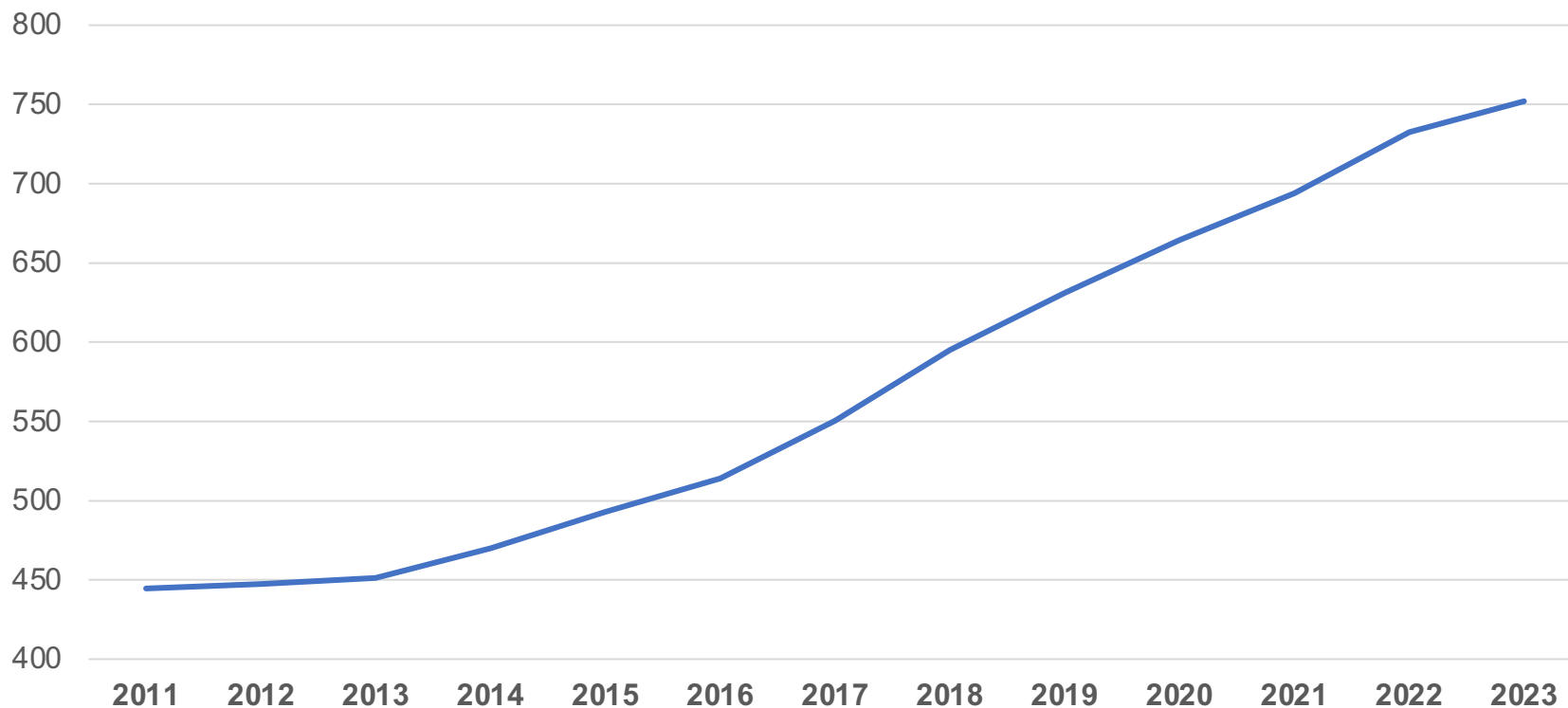
Headcount

and PhD students

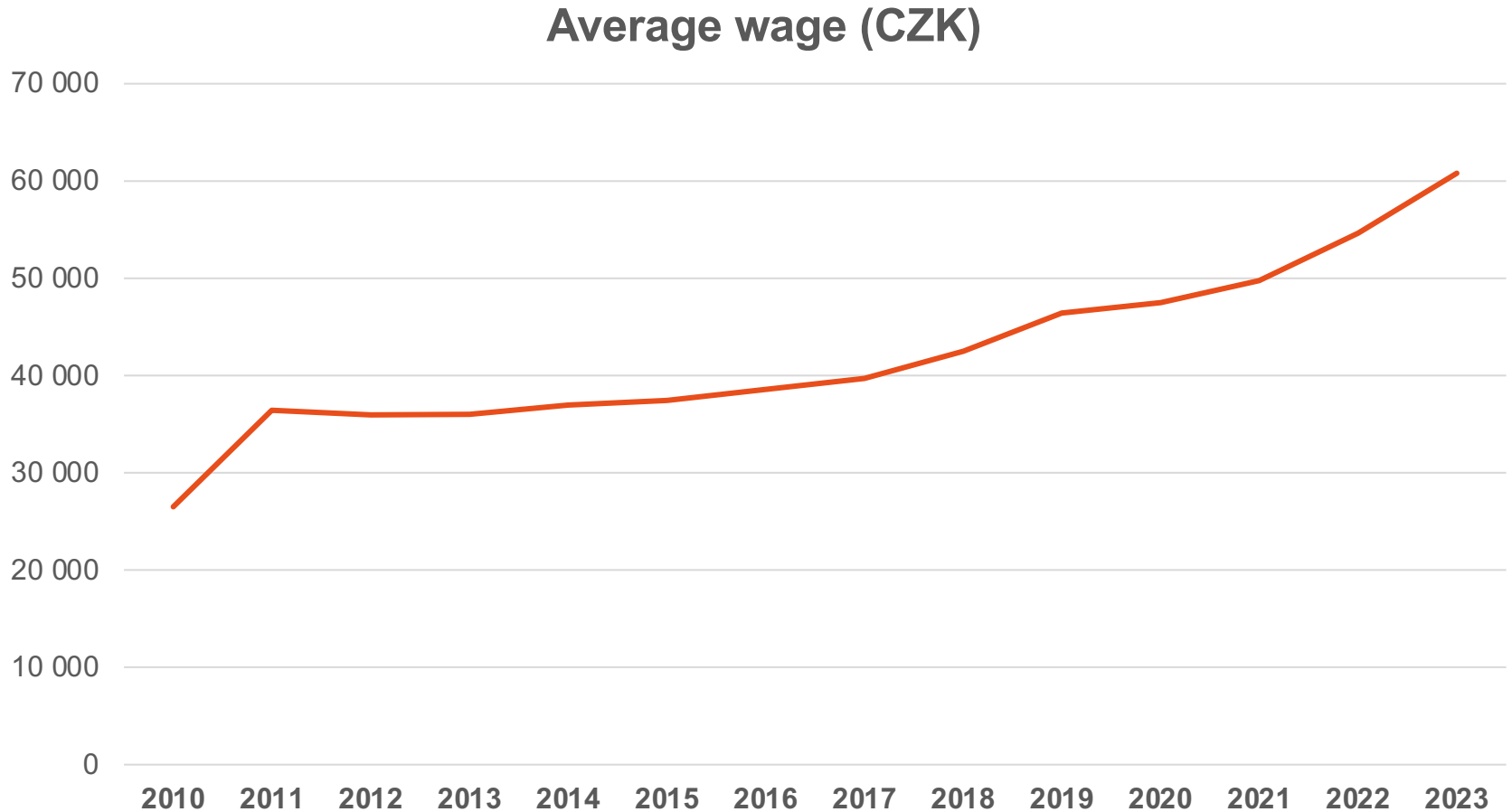
Number of employees 2013–2023



Converted number of employees (FTE)



Wage development at IOCB



Wages and FTE

2022 – comparison with other CAS institutes	FTE	Average wage
Institute of Molecular Genetics	480	47 346
Institute of Physiology	319	48 120
Institute of Experimental Medicine	153	49 265
J. Heyrovsky Institute of Physical Chemistry	262	49 656
Institute of Macromolecular Chemistry	253	51 244
IOCB	732	54 540
Institute of Physics	1 201	57 102

2023 – IOCB	FTE	Average wage
IOCB	752	60 798
<i>Out of which:</i>		
– researchers (V3 - V8)	287	
– specialized employees in R&D + PhD Students (V1+V2)	223	
– specialized laboratory employees (technicians, chemists, Service Group Ls)	90	
– others (administration, maintenance, internal administration, lab students)	152	

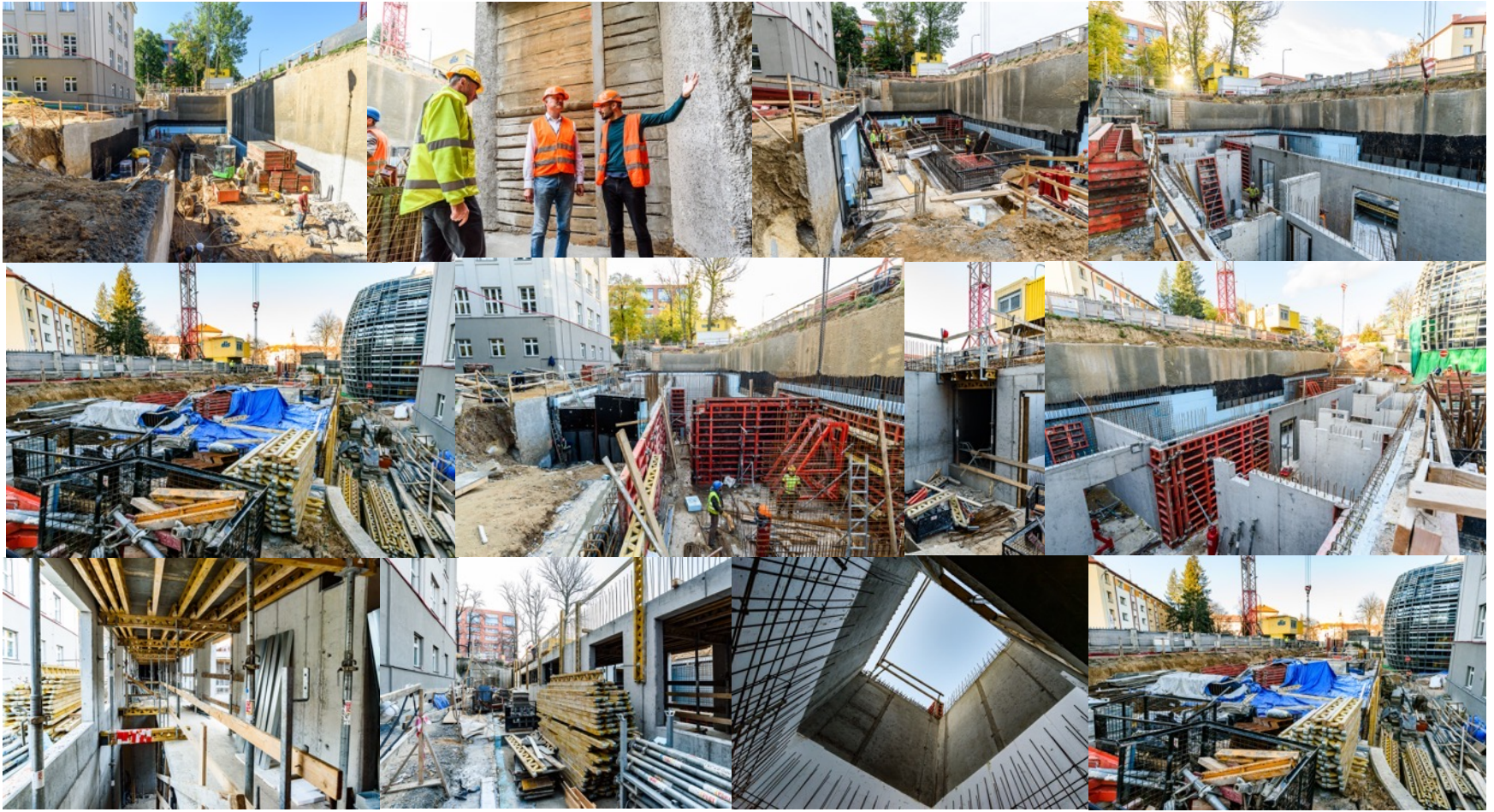


Construction of Building K

- Rough construction already finished
- The installation of internal technologies is now underway
- Completion date: autumn 2024



Construction of Building K

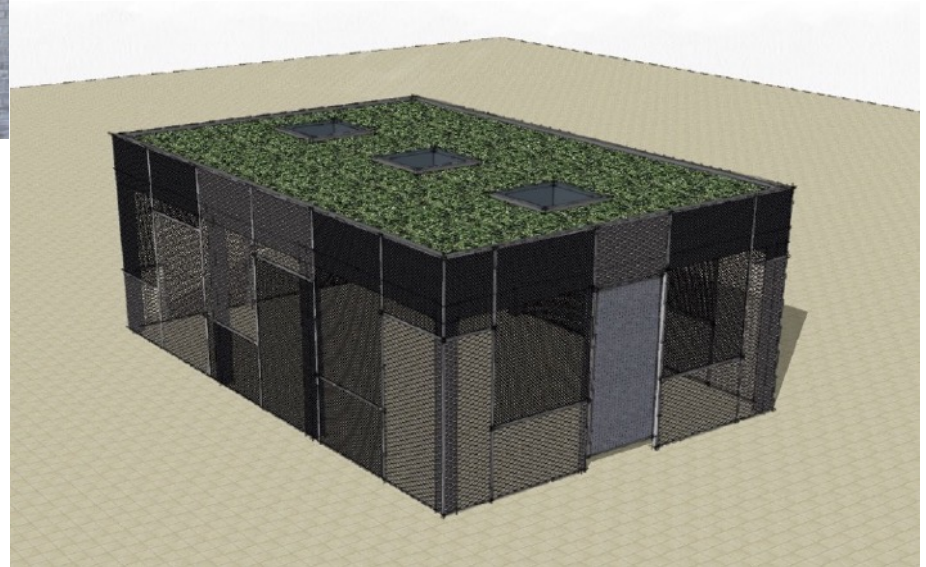


Bike shelter



- Between building C and D
- Green roof
- Start of construction: autumn 2024
- Completion date: autumn 2025

- Space for approx. 40 bikes
- Chargers for electric bikes
- Access with IOCB card



Lodging

Thunovská 16, Praha 1



- 30 units
- restaurant operational since 7/23

Glinkova 1655/6, Praha 6



- 14 units, operational since 5/23

Šultysova 692/55, Praha 6



- 6 units, preparation for interior reconstruction

External estates

Papírenská 1132/7b, Praha 6



- Negotiations are underway on the possibility of building on the other half of the site

Land in Krč, Praha 4



- works leading to the change of the zoning plan

Training facilities

Dolní Malá Úpa 22, Krkonoše



- Exchange of land between National Parc and IOCB

Hojsova Stráž 201, Šumava



- Purchase of a parking lot - Pilsen Region

IOCB on networks/on air

Follow, share, like...

- Facebook
 - Twitter
 - LinkedIn
 - Instagram
 - YouTube
 - Threads
-
- podcast **CHEmic**: Live podcast with Hana Dvořáková and Petr Zelenka on Tuesday 5. 3., Restaurant Lore Malastrana
 - The new issue of the in-house magazine **The Bond** is out - for download on IntraWeb



- E-shop **IOCB Store**



IOCB Events

5/3	IOCB Invited Lecture: David Ron – Regulation of Protein Synthesis and Proteostasis by the Integrated Stress Response
7/3	Dana Hocková Lecture Series: Hana Lísalová – From antifouling (nano-)coatings to smart biosensing in complex media; Career Workshop – Being blond and pushing science forward
12/3	Introduction of the new Joint Laboratory (IOCB & UCT) – Stella Gonsales
26/3	IOCB Invited Lecture: Matthias Wolf – WALC – A New Paradigm for Single Particle Analysis of Large Molecular Assemblies
9–10/4	Final Adher'nRise Meeting
15–17/4	Prague Workshop for Computational Mass Spectrometry
18/5	Open House Praha
20–23/5	23 rd Interdisciplinary meeting of young life scientists (Milovy)
27–31/5	IOCB Retreat (Valeč u Hrotovic)
30/5–1/6	Science Fair (EXPO Letňany)
19/6	ScienceFest (Vítězné náměstí)
20/6	IOCB Family Day
2–6/9	10 th Prague-Weizmann Summer School (NTK)
11/9	IOCB Invited Lecture: Leo Gross – Chemical Reactions and Synthesis by Atom Manipulation
18–20/9	IAB Visit & Evaluation of Research Groups
24/9	IOCB Invited Lecture: Hiroyuki Isobe – Synthesis-Driven Chemistry of Nanocarbon Molecules
27/9	European Researchers' Night
7–10/10	PhD Bootcamp (Dolní Malá Úpa)
15/10	IOCB Invited Lecture: Henrik Ottosson – Excited State Aromaticity and Antiaromaticity
4–10/11	Week of the CAS & Openhouse Days
28/11	IOCB Invited Lecture: Connor W. Coley – Artificial Intelligence for Synthetic Organic and Analytical Chemistry
13/12	Christmas gathering



IOCB Board



IOCB Board:

Elected members (2021-2026)

Internal members:



Pavlína M.
Řezáčová



Martin
Dračínský



Pavel
Majer



Kvido
Stříšovský



Michal
Hocek



Pavel
Jungwirth

External members:



Radek
Cibulka
(UCT)



Jan
Černý
(Charles U.)



Petr
Slaviček
(UCT)

Secretary:



Irena
Valterová



2023: Amendment to the Act

341/2005 (on v.v.i.)

In a nutshell: More power to the Founder at the expense of the Board



- Founder may be changed (upon approval of the Board & Acad. Assembly)
- Founder may remove the Director from office (Board only consulted)
- Board only discusses the budget and annual report (no more approval)

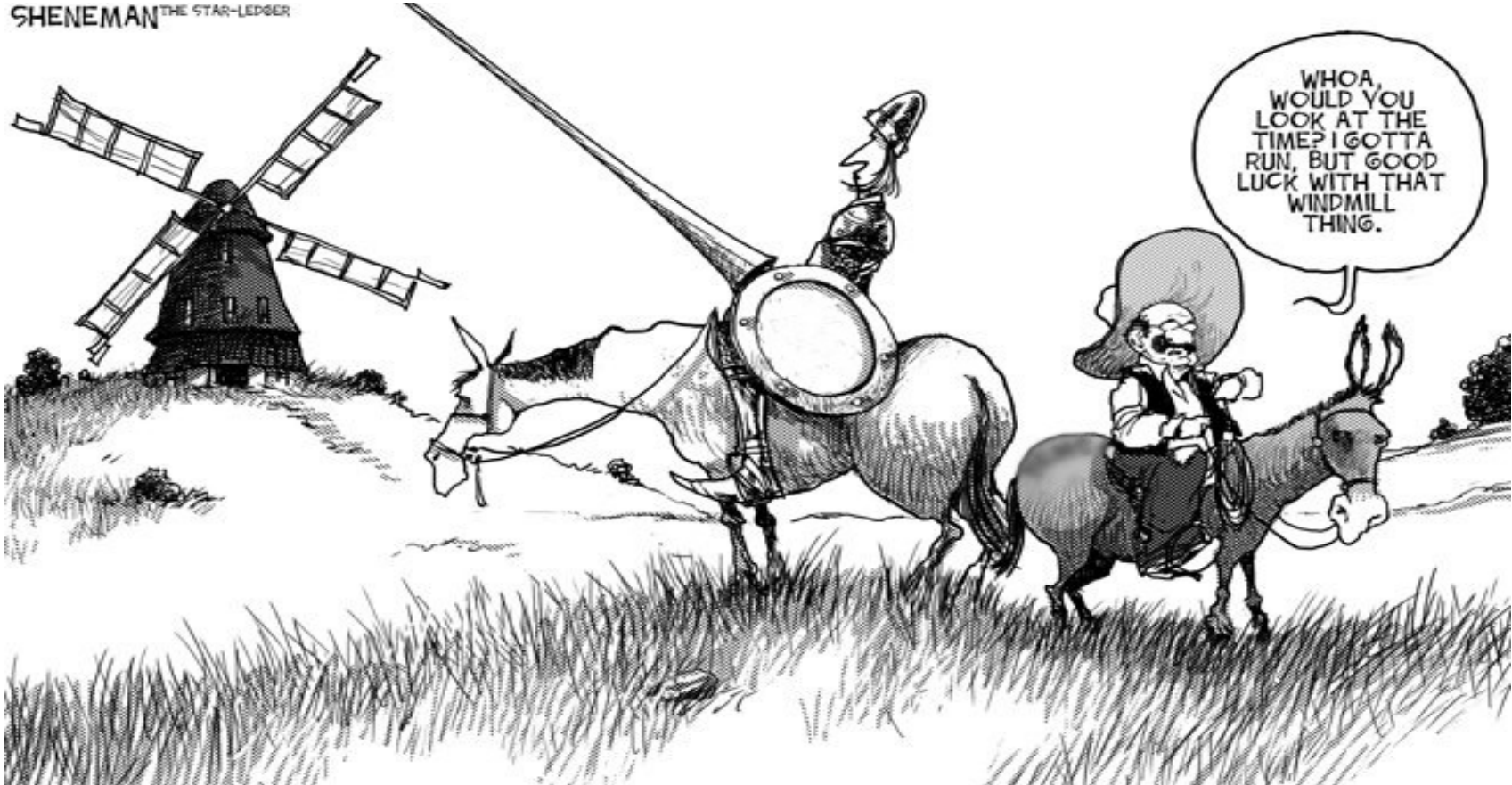


What did we do about it?

- Discussion with the President of the Academy prof. Eva Zažímalová
- Discussion with the Head of the Academy Board Dr. Pavel Baran
- Attempts to initiate “softening” of the new Law at the Academy Board (Michal Hocek)
- Meeting of the heads of boards of ~20 institutes (on Feb. 29)



What did we do about it?



- Discussion with the Director Jan Konvalinka:
Business at IOCB will continue as usual, with emphasis on communication both with management and IOCB public!
...and Valeč 2024 ☺

Thank you for continuing to support your Board!

Discussion

