



ÚOCHB ^{AV}
IOCB PRAGUE

Meeting with Group Leaders

Jan Konvalinka | May 26, 2023

Agenda

- PhD Interview Day
- Quantitative Evaluation 2020-2022
- Safety updates
- IOCB Retreat 2024
- Czech Center for Phenogenomics
- Survey on IOCB Services
- 70 years of IOCB Prague and beyond
- Prizes Nominations
- Miscellanea

PhD Interview Day

PhD Interview Day 2023



New PhD students: 4 from abroad
10 Czech

PhD candidates in numbers – 2019 x 2023

	2019	2023	
Applications	197	411	2023: 199 from Pakistan 60% less from Europe
Invited	39	34	
from Czech universities/abroad	8/31	14/20	
Interview on-site	24	16	
Interview on-line	15	14	
Contract offers	20	16	
Contracts signed	15	14	

PhD 2023 Interview Day – Conclusion

The Interview Day is a good resource,
just how to attract more of well-suited candidates?

Suggestions:

- advertise at conferences, congresses, workshops
- to raise the profile of the Institute in nearby countries
- participate in career days at universities, chem. olympiad, gymnasiums
- to support student internships at the Institute - they will talk about institute!
- ???

The work starts NOW!

Quantitative Evaluation 2020-2022

The Quantitative Evaluation - rules



- Directive S2022-05:
- A group's performance is numerically evaluated by means of the group performance index (GPI) based on the formula

$$\text{GPI} = J + B + C + D + P + T + S$$

J - articles published in a high-impact journal

B = specialised books

C = chapters of a book

D = article in a collection

P = patent granted

T = operation on a semi-industrial scale, attested technology

S = prototype, implemented methodology, functional sample, authorised software, utility and industrial design

The Quantitative Evaluation – rules



$J = \sum (IF \times \text{contribution to the publication})$

$B = \sum 2.5 \times (\text{contribution to the book})$ Czech book

$B = \sum 5 \times (\text{contribution to the book})$ foreign-language book

$C = \sum 1 \times (\text{contribution to the book})$ Czech book

$C = \sum 2 \times (\text{contribution to the book})$ foreign-language book

$D = \sum 0.1 \times (\text{contribution to the article})$ a collection in Czech,

$D = \sum 0.2 \times (\text{contribution to the article})$ a collection in a foreign-language

$P = \sum 1 \times (\text{contribution of the authors})$ national patent (with the exception of the USA and Japan)

$P = \sum 10 \times (\text{contribution of the authors})$ international patent, patent from the USA and Japan,

$P = \sum 20 \times (\text{contribution of the authors})$ licensed patent

$T = \sum 7.5 \times (\text{contribution of the authors})$

$S = \sum 2.5 \times (\text{contribution of the authors})$

The Quantitative Evaluation 2020-2022

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Group	GPI per year	Award (CZK)		Group	GPI per year	Award (CZK)
Beier	44,602	84 210		Macíčková Cahová	12,493	23 588
Birkuš	24,331	45 937		Majer	40,816	77 061
Bouř	91,790	173 302		Maletínská	37,592	70 975
Bouřa	91,097	171 993		Marek	13,131	24 792
Cígler	61,942	116 948		Mareš	19,675	37 146
Curtis	23,267	43 928		Matějková	10,560	19 938
Cvačka	33,406	63 070		Mertlíková Kaiserová	9,402	17 751
Dračínský	76,629	144 677		Nencka	47,288	89 280
Hanus	12,346	23 309		Pichová	22,443	42 372
Havlas	8,486	16 022		Pluskal	1,260	2 379
Hobza	148,654	280 661		Polášek	6,002	11 332
Hocek	81,941	154 705		Rejman	16,483	31 121
Jahn	27,291	51 526		Rulíšek	67,170	126 818
Janeba	39,405	74 398		Řezáčová	62,227	117 486
Jiráček	17,310	32 682		Slanina	27,578	52 068
Jungwirth	105,236	198 688		Starý	30,398	57 392
Kaleta	23,715	44 775		Stříšovský	17,036	32 165
Kašička	44,028	83 126		Vondrášek	37,280	70 386
Kečkéšová	8,519	16 085		Vrábel	8,599	16 234
Konvalinka	79,620	150 325		Weber	17,208	32 488
Kudová	36,931	69 726		Zoll	3,780	7 136
						3 000 000

The Quantitative Evaluation 2020-2022

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Junior Research Groups highlighted

The Quantitative Evaluation 2020-2022

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Beier	44,602	84 210		Macíčková Cahová	12,493	23 588
Birkuš	24,331	45 937		Majer	40,816	77 061
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Konvalinka	79,620	150 325		Weber	17,208	32 488
Kudová	36,931	69 726		Zoll	3,780	7 136
						3 000 000

Research-Service Groups highlighted

The Quantitative Evaluation 2020-2022

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Group	GPI per year	Award (CZK)		Group	GPI per year	Award (CZK)
Beier	44,602	84 210		Macíčková Cahová	12,493	23 588
Birkuš	24,331	45 937		Majer	40,816	77 061
Bouř	91,790	173 302		Maletínská	37,592	70 975
Bouřa	91,097	171 993		Marek	13,131	24 792
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Konvalinka	79,620	150 325		Weber	17,208	32 488
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Targeted Research
and Service Groups
highlighted

The Quantitative Evaluation 2020-2022

Group Leader	J	B	C	D	P	T	S	GPI	GPI per year	AWARD
Beier	90,807		2,000		41,000			133,807	44,602	84 210
Birkuš	42,393				30,600			72,993	24,331	45 937
Bouř	252,971	10,000	12,000	0,400				275,371	91,790	173 302
Bouřa	273,292							273,292	91,097	171 993
Cígler	163,926		2,000	0,400	12,000		7,500	185,826	61,942	116 948
Curtis	69,800							69,800	23,267	43 928
Cvačka	94,617		4,000	0,600	1,000			100,217	33,406	63 070
Dračínský	226,088	2,500		0,200	1,100			229,888	76,629	144 677
Hanus	37,037							37,037	12,346	23 309
Havlas	25,259			0,200				25,459	8,486	16 022
Hobza	445,961							445,961	148,654	280 661
Hocek	195,822				50,000			245,822	81,941	154 705
Jahn	79,873				2,000			81,873	27,291	51 526
Janeba	99,116			0,200	18,900			118,216	39,405	74 398
Jiráček	48,180				3,750			51,930	17,310	32 682
Jungwirth	315,709							315,709	105,236	198 688
Kaleta	71,146							71,146	23,715	44 775
Kašička	124,685		6,000	1,400				132,085	44,028	83 126
Kečkéšová	25,558							25,558	8,519	16 085
Konvalinka	176,361		2,000		58,000		2,500	238,861	79,620	150 325
Kudová	92,793				18,000			110,793	36,931	69 726
Macíčková Cahová	37,480		0,000					37,480	12,493	23 588
Majer	63,947	2,500			56,000			122,447	40,816	77 061
Maletínská	74,111		0,666		38,000			112,777	37,592	70 975
Marek	39,394							39,394	13,131	24 792
Mareš	53,024		6,000					59,024	19,675	37 146
Matějková	31,681							31,681	10,560	19 938
Mertlíková Kaiserová	28,105				0,100			28,205	9,402	17 751
Nencka	124,463				17,400			141,863	47,288	89 280
Pichová	67,328							67,328	22,443	42 372
Pluskal	2,520							2,520	1,260	2 379
Polášek	18,006							18,006	6,002	11 332
Rejman	37,050	2,500			9,900			49,450	16,483	31 121
Rulíšek	201,510							201,510	67,170	126 818
Řezáčová	186,431				0,250			186,681	62,227	117 486
Slanina	82,734							82,734	27,578	52 068
Starý	81,994	5,000	4,000	0,200				91,194	30,398	57 392
Stříšovský	44,109				7,000			51,109	17,036	32 165
Vondrášek	111,641			0,200				111,841	37,280	70 386
Vrábel	25,596			0,200				25,796	8,599	16 234
Weber	51,623							51,623	17,208	32 488
Zoll	11,339							11,339	3,780	7 136

Safety Updates

Institutional Resilience



- We would like to invite you to a presentation for GL and IOCB management. Please note it into your agenda. No one is safe nowadays.
- Subject: Institutional resilience - what is the risk and how to keep yourself resilient incl. specific examples from Czech Institutions
- Presenter: Mgr. Petr Bílý - Ministerial High Councilor (vrchní rada) Ministry of Interior CR
- When and where: **16th June 2023 at 3 p.m.** Boardroom of the director.

2nd Safety audit in organic labs - Building B

- Lot of improvement vs. last time
- Extremely different standards in different groups, some are excellent (Ulli Jahn), others poor
- Although this presentation looks funny, it is deadly serious
- Please talk to your groups! Safety is important!
- How many problems can you find here?



2nd Safety audit in organic labs - Building B

- Basic learnings – pictures are self-explanatory

During the 1st audit



During the 2nd audit



2nd Safety audit in organic labs - Building B

- Keep hiding fire extinguishers - improvement needed!



2nd Safety audit in organic labs - Building B

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Gas bottles must be properly secured
Avoid fastening at reducing valve area



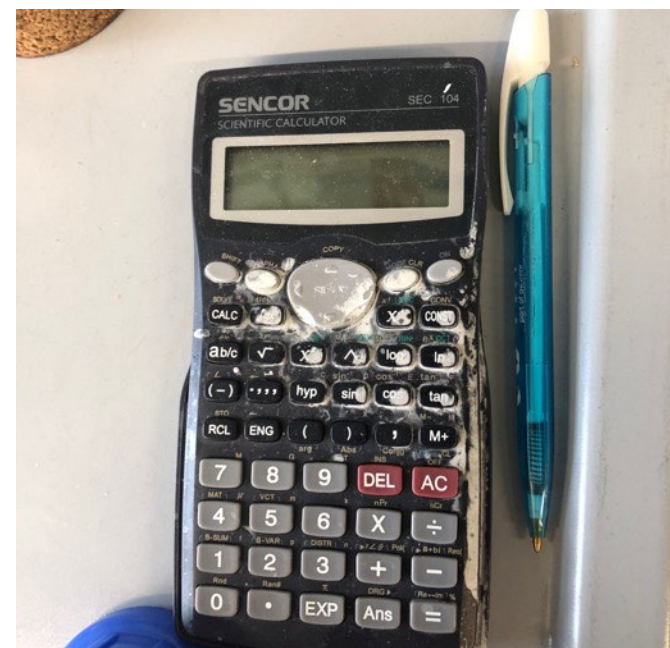
2nd Safety audit in organic labs - Building B

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Blocked escape routes in
some labs and corridors



and finally one example
how clean we work



And solvent recycling no progress either

Please talk to your staff, esp. PhD students, postdocs and new



In the last shipment there was no one single barrel which would have Cl content below 1% !!!! That simply means, that we do not care!!! The disposal cost double if it is chlorinated above 1%. It still may be a mistake or misshap, but it is expensive. Please teach your people how to handle solvents and make sure they understand that they need to be strictly separated.

We plan to prepare a intra-web material about waste product handling, but need to act already now.

IOCB Retreat 2024

IOCB Retreat 2024 - Proposal

When: 27. – 31. 5. 2024 (5 days)
How many: 400 persons
Where: more options, TBA
Preliminary program:

	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	Departure from Prague Arrival to hotel	Session 3 Session 4	Session 7 Session 8	Session 9 Session 10	Session 13 Session 14 Concluding remarks
Afternoon	Welcome talk Session 1 Session 2	Session 5 Session 6	Teambuilding	Session 11 Session 12	Departure from hotel Arrival to Prague
Evening	Poster session 1	Social Evening	Poster session 2	Social evening	

IOCB Retreat Proposal – Option 1: Chateau Valeč

During the whole stay we have at our disposal:

- Wellness and Fitness center
- Bowling
- Tennis court
- Bicycles and electric bikes – for rent
- Castle tour with quizzes
- Aqua aerobic and Circuit Training with coach
- Boats on the lake and a fun path in the garden

Optional activities:

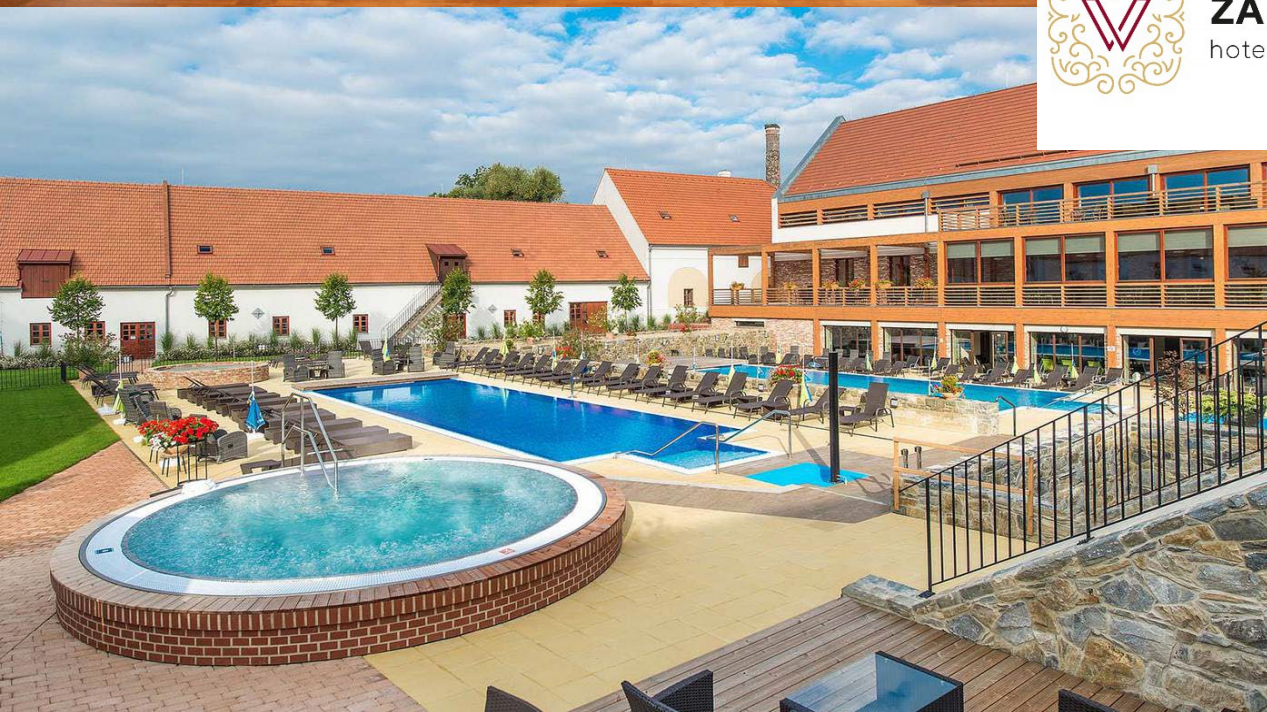
- Museum in Dalešice brewery
- Tour in Nuclear power plant Dukovany
- Boat trip on Dalešice dam
- Town of Třebíč – UNESCO

Price:

- Accommodation: 3 316 000 Kč
- Food: 3 855 000 Kč
- Teambuilding and accompanying programme: 1 512 000 Kč
- Conference facilities: 351 000 Kč
- Travel: 300 000 Kč
- **Total: 9 134 900 Kč**



ZÁMEK VALEČ
hotel & wellness



IOCB Retreat Proposal – Option 2: Hotel Babylon Liberec

During the whole stay we have at our disposal:

- Wellness and Fitness center

Optional activities:

- iQLANDIA
- ZOO Liberec
- Labyrint
- Ještěd mountain & Ještěd tower

Price:

- Accommodation: 3 396 712 Kč
- Conference facilities: 382 844 Kč
- Food: 2 203 860 Kč
- Teambuilding and accompanying programme: 1 512 000 Kč
- Travel: 300 000 Kč
- **Total: 5 983 416 Kč**



IOCB Retreat Proposal – Option 3: Zbraslavice

During the whole stay we have at our disposal:

- 6 gyms
- a football pitch and 2 smaller football pitches
- three playgrounds - beach volleyball, basketball and netball courts
- swimming in the lake

Optional activities:

- Rope centre
- Climbing wall
- Paintball
- Paddleboards
- Aquazorbing
- Bicycle and scooter rental

Price:

- Accommodation: 688.400 Kč
- Food: 1 435 200 Kč
- Teambuilding and accompanying programme: 1 512 000 Kč
- Conference tent with technology: 698 200 Kč
- Travel: 300 000 Kč
- **Total: 4 633 800 Kč**



 **Rekreační areál Zbraslavice**



IOCB Retreat Proposal – Option 4: Hotel Medlov

During the whole stay we have at our disposal:

- Minigolf
- Pedal Boat
- Swimming in the pond
- Whirlpool

Optional activities:

- Žďárské vrchy protected area
- Peak Devět skal - 8,5 km
- Čtyři palice nature reserve - 13,5 km

Price:

- Accommodation: 1 036 894 Kč
- Food: 1 312 000 Kč
- Teambuilding and accompanying programme: 1 512 000 Kč
- Conference tent with technology: 698 200 Kč
- Travel: 300 000 Kč
- **Total: 4 859 094 Kč**



IOCB Retreat Proposal - Summary

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Location	Distance	Estimated Cost	Availability 27.–31. 5. 2024
HOTEL ZÁMEK VALEČ	2,5 hours	9 134 900 Kč	Confirmed
HOTEL BABYLON LIBEREC	1,5 hours	5 983 416 Kč	Confirmed
RS ZBRASLAVICE	1,5 hours	4 633 800 Kč	Shared option by June
HOTEL MEDLOV	2,5 hours	4 859 094 Kč	Confirmed

Czech Center for Phenogenomics

Collaboration with Czech Center for Phenogenomics



Czech Centre for Phenogenomics:

**phenotyping (model characterization)
as base for the preclinical research and testing**



Czech Centre for Phenogenomics

Institute of Molecular Genetics
of the Czech Academy
of Sciences



IOCB plans strengthen collaboration and negotiates preferential services or even joint laboratory with CCP

Who is interested in collaboration or using CCP services?

Inform Lenka Maletínská by June 1st

Presentation of Prof. R. Sedláček on May 18
Available [here](#)

Survey on IOCB Services

Survey on scientific services provided at IOCB

[email to GLs sent on May 17]

Feedback forms are available on the intraweb

- forms prepared by service providers and management
- feedback collected by the Communications
- survey results will be shared with service providers

Your opinions will help the management and service group leaders to provide efficient high-quality scientific services to support research at IOCB



Research-service groups feedback **by May 31**

Service groups and Research core facilities feedback **by June 10**

Symposium 70 years of IOCB Prague and beyond

Program

31/5/2023

The National Library of Technology
Balling Hall



8:55 Opening by the IOCB director

Chairperson: Michal Hocek

- 9:00–9:20** Michal LEBL: Peptide chemistry in IOCB – Successes and missed opportunities
- 9:20–9:40** Peter ŠTROP: Recollection of early beginnings of structural biology at IOCB and IMG
- 9:40–10:00** Marcela KREČMEROVÁ: Nucleoside chemistry at the IOCB – Looking back on history
- 10:00–10:20** Pavel KOČOVSKÝ: 70+ Years of steroid chemistry at IOCB: A personal account and new vistas
- 10:20–10:40** Coffee break

Chairperson: Irena G. Stará

- 10:40–11:00** Josef CVAČKA and Martin DRAČÍNSKÝ: History of MS and NMR spectroscopy at IOCB
- 11:00–11:20** Irena VALTEROVÁ: Natural products – Source of pharmaceuticals and agrochemicals
- 11:20–12:20** Tomáš CIHLÁŘ: Treatment and prevention of HIV: We came a long way, but are not there yet (Tony Holý Lecture)
- 12:20–14:00** Lunch and poster session

Chairperson: Kvido Stříšovský

- 14:00–14:50** Marek BASLER: Spatial and temporal regulation of Type 6 Secretion System dynamics during interactions with bacterial and eukaryotic cells
- 14:50–15:20** Hana CAHOVÁ: Non-canonical RNA caps – From their discovery to their role
- 15:20–15:50** Milan VRÁBEL: From flasks to humans – Organic reactions beyond chemical glassware
- 15:50–16:10** Coffee break

Chairperson: Pavel Jungwirth

- 16:10–16:40** Tomáš SLANINA: Bright concepts of colorful chemistry
- 16:40–17:10** Miloslav POLÁŠEK: Beyond organic - From rare earth elements to rare opportunities
- 17:10–18:00** Petra SCHWILLE: Towards artificial cell division

18:00–22:00 Informal catering Epic Hours at IOCB Prague

Prizes Nominations

Call for Prizes nominations



Due 30 June 2023

- **Josef Hlávka Award:** for early career researchers up to 33 years
 - **Josef Hlávka Medal:** an outstanding personality of Czech science
- Please inform the **IOCB Board** (at least 14 days before official deadline)



- **Award Doctorandus – Natural sciences:** PhD students and postdocs (Czech nationality only)
- **National Prize “Česká hlava” of the Government of the Czechia:**
an outstanding personality of the Czech science



Due 15 June 2023

- **Alfred Bader prize for organic chemistry 2023:** for Czech researchers up to 35 years

More information on [intraweb](#)

Miscellanea

Webinar – MSCA PF

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EURAXESS Worldwide
Interested in a research career in
EUROPE?

IOCB Prague – potential host institution for MSCA PF

5 - 6 June 2023 EURAXESS WW webinar focused on hosting opportunities for community of early career researchers outside Europe.



EWV will be presented in the following countries and regions:
Africa, ASEAN, Australia and New Zealand, Latin America and the Caribbean,
China, India, Japan, Korea, and North America (USA and Canada).

IOCB Events 2023

- 31. 5. Symposium 70 years of IOCB Prague and beyond (NTK), Tony Holý Lecture by Tomáš Cihlář
- 1. 6. Children's Day in Kampus Dejvice
- 8.–10. 6. Science Fair 2023 (Expo Letňany)
- 21. 6. VědaFest (Vítězné náměstí)
- 30. 7. – 3. 8. Prague-Weizmann Summer School 2023 (in Rehovot, Israel)
- 22. 9. IOCB Invited Lecture: Prof. Makoto Fujita (University of Tokyo, Japan)
- 6.–9. 9. IAB visit at IOCB
- 5.–6. 10. Joint Symposium with KU Leuven (final date)**
- mid Oct. Gilead visit at IOCB**
- 1.–5. 11. Molecular Rotor Workshop 2023
- 6.–11. 11. Week of the CAS & IOCB Openhouse Days
- 8. 11. Martin Franc: 70 let ÚOCHB (in Czech)
- 4.–5. 12. Dream Chemistry Award Finals

Mtgs with GLs – 2023 Schedule

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- **June 29**

Thank you!