



ÚOCHB AV  
IOCB PRAGUE

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# Meeting with Group Leaders

Jan Konvalinka | April 26, 2024

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# Agenda

- Quantitative evaluation
- GA ČR Grants
- IOCB Doctoral Fellowships
- Safety updates
- Updates on Valeč
- Collaboration with Ministry of Foreign Affairs
- GSRC Projects
- Miscellanea

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# Quantitative evaluation

# Quantitative evaluation of the Group Performance

**GPI (Group Performance Index) calculated according to Directive S2022-05**

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

- list of registered outputs (results) has been distributed,
- unlike in previous years, the **list already contains a basic score (GPI) for each record**, which will be used as a default when no corrections are made

How to proceed:

- check the list for **completeness** and **correctness** (report missing outputs to [asep@uochb.cas.cz](mailto:asep@uochb.cas.cz)),
- (optional) **calculate the GPI from a *real impact factor*** for journal articles where it is worth,
- **return the modified lists** to secretariat **on May 9** at the latest.

If the GL **does not supply** the corrected list before the deadline, the **pre-calculated values** will be used.

# Quantitative Evaluation – report sample 1 (group 930/93)

record number	SYSNO	[27] 0548921	ASEP record ID
	Title	<i>A ubiquitous disordered protein interaction module orchestrates transcription elongation</i>	
	Authors (16)	<b>Čermáková Kateřina</b> (UOCHB-X) <b>[930/93]</b> <a href="#">ORCID</a> Demeulemeester J. (BE) <b>Lux Vanda</b> (UOCHB-X) <b>[930/93]</b> <a href="#">ORCID</a> <b>Nedomová Monika</b> (UOCHB-X) <b>[930/93]</b> <a href="#">ORCID</a> Goldman S. R. (US) Smith E. A. (US) <b>Srb Pavel</b> (UOCHB-X) <b>[930/93]</b> <a href="#">ORCID</a> <b>Hexnerová Rozálie</b> (UOCHB-X) <b>[930/93]</b> <a href="#">ORCID</a> Fábry Milan (UMG-J) <b>Mádlíková Marcela</b> (UOCHB-X) <b>[930/93]</b> <a href="#">ORCID</a> Hořejší Magdalena (UMG-J) Rijck J. D. (BE) Debyser Z. (BE) Adelman K. (US) <u>Hodges H. C.</u> (US) <b><u>Veverka Václav</u></b> (UOCHB-X) <b>[930/93]</b> <a href="#">ORCID</a>	
total number of authors			
	Source	Science, Roč. 374, č. 6571 (2021), s. 1113-1121 , , American Association for the Advancement of Science ,	
	Year	2021	
	Type (ASEP)	[J] Journal article	
	IF	63.832 (2021)	
group contribution (1.0 if first or corresponding, fraction otherwise)	Group contribution	1.000 (first from group: 1, corresponding from group: 1)	
ASEP result type	GPI [J] (1.0)	63.832	
impact factor	Real IF GPI (optional)	Cit <sub>2021-2023</sub> = _____   RIF = Cit <sub>2021-2023</sub> / 2 = _____   GPI = RIF * 1.000 = _____	
GPI [category] (weight)	DOI	<a href="https://doi.org/10.1126/science.abe2913">https://doi.org/10.1126/science.abe2913</a>	
real IF calculation formula (optional)	WOS	<a href="http://hdl.handle.net/11104/0324967">000725668600044</a>	
	ASEP	<a href="http://hdl.handle.net/11104/0324967">http://hdl.handle.net/11104/0324967</a>	
	OECD	Biochemistry and molecular biology (10608)	

**bold:** author is/was a member of this group

group

underlined: corresponding author

**bold & underlined:** corresponding author from this group

DOI link to article

WOS record link

ASEP full record link

# Quantitative Evaluation – report sample 2 (group 930/93)

6

	SYSNO	[38] 0561949	
	Title	<b>Model of abasic site DNA cross-link repair, from the architecture of NEIL3 DNA binding domains to the X-structure model</b>	
total number of authors	Authors (6)	Hušková Andrea (UOCHB-X) [260/26] <a href="#">ORCID</a> Dinesh Dhurvas Chandrasekaran (UOCHB-X) [260/26] <a href="#">ORCID</a> <b>Srb Pavel</b> (UOCHB-X) <b>[930/93]</b> <a href="#">ORCID</a> Bouřa Evžen (UOCHB-X) [260/26] <a href="#">ORCID</a> <b>Veverka Václav</b> (UOCHB-X) <b>[930/93]</b> <a href="#">ORCID</a> <u>Šilhán Jan</u> (UOCHB-X) [260/26] <a href="#">ORCID</a>	<b>bold: author is/was a member of this group</b>
impact factor	Source	Nucleic Acids Research, Roč. 50, č. 18 (2022), s. 10436-10448 , , Oxford University Press ,	
	Year	2022	
group contribution (1.0 if first or corresponding, fraction otherwise)	Type (ASEP)	[J] Journal article	
	IF	14.9 (2022)	
GPI [category] (weight)	Group contribution	0.333 (first from group: 0, corresponding from group: 0)	
real IF calculation formula (optional)	GPI [J] (1.0)	4.967	
	Real IF GPI (optional)	$RIF = Cit_{2022-2023} = \text{_____} \mid GPI = RIF * 0.333 = \text{_____}$	
	DOI	<a href="https://doi.org/10.1093/nar/gkac793">https://doi.org/10.1093/nar/gkac793</a>	
	WOS	000859179700001	
	ASEP	<a href="https://hdl.handle.net/11104/0334376">https://hdl.handle.net/11104/0334376</a>	
	OECD	Biochemistry and molecular biology (10608)	

underlined: corresponding author

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# GA ČR Grants

# Overview of submitted project proposals

## Call for GA ČR projects 2025 (57 in total)

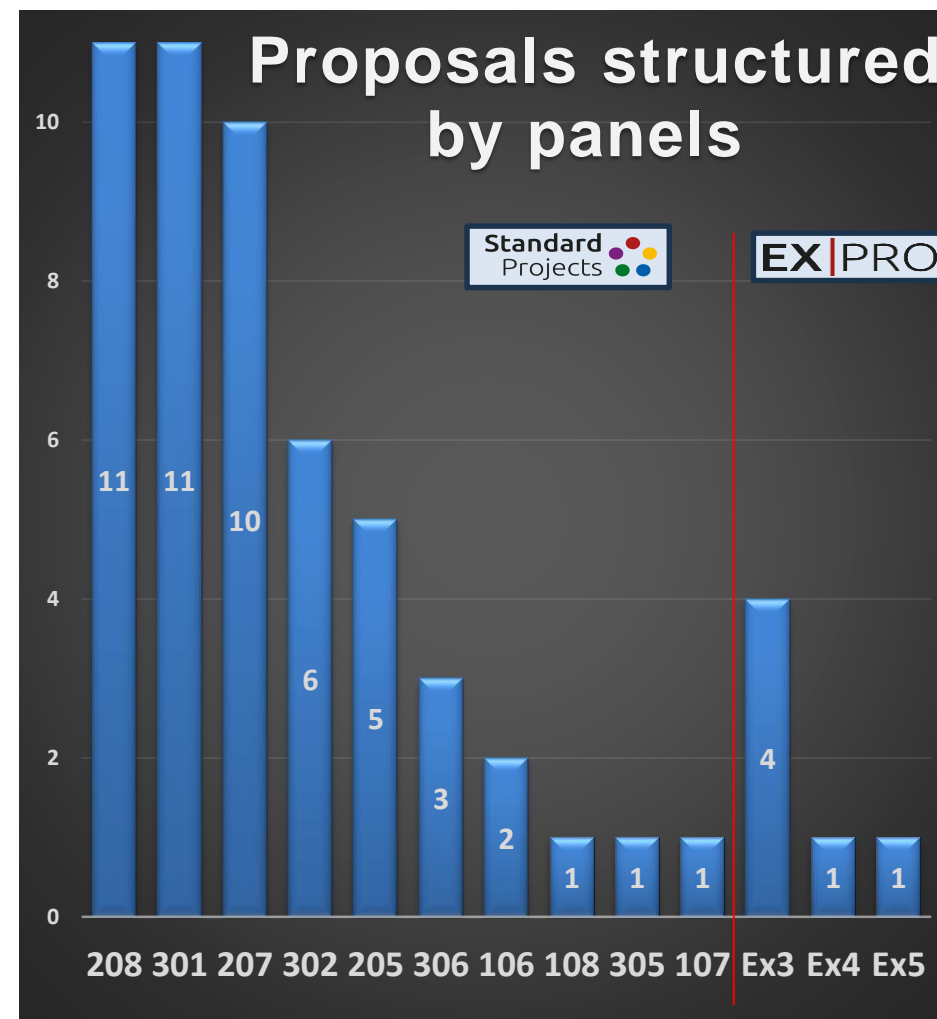
- **50** **Standard Projects** 
- **6** **EX|PRO**
- **1** **International Projects** 

**Submitted proposals 2024:** 44 STD

**Submitted proposals 2023:** 48 STD + 6 EXPRO

Thank for your cooperation!

*Project Office*





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# IOCB Fellowships

# IOCB Doctoral Fellowships

**Aim:** to attract talented foreign PhD students to IOCB ➡ potential IOCB Postdocs

- Duration: short-term research stays (2-6 months)
  - Applicant: PhD student (submission by a IOCB group leader)
  - Eligible costs: gross salary 35,000 CZK/month plus health & social insurance
  - 2 Deadlines: **1 October** and **1 April**
  - Application: CV, cover letter, project description, letters of support
  - Submission: by email to [fellowship@uochb.cas.cz](mailto:fellowship@uochb.cas.cz)
  - Evaluation: IOCB Fellowships Committee
  - Contact person: Iva Pichová
  - Final report : 1-2 pages
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- **Details on Intranet:** <https://intranet.uochb.cas.cz/765.html>

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# Safety and Waste Management



# Firefighting training 18. 4.

12





# Safety audit - Building B (Groups: U. Jahn, M. Hocek, Z. Janeba)

- Personal protective clothing





# Safety audit - Building B (Groups: T. Slanina, I. Starý, U. Jahn, M. Hocek, P. Beier, P. Cígler, Z. Janeba, M. Vrábel)

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- Blocked access to extinguishers and gas cylinders





# Safety audit - Building B

## How can possibly somebody work here?

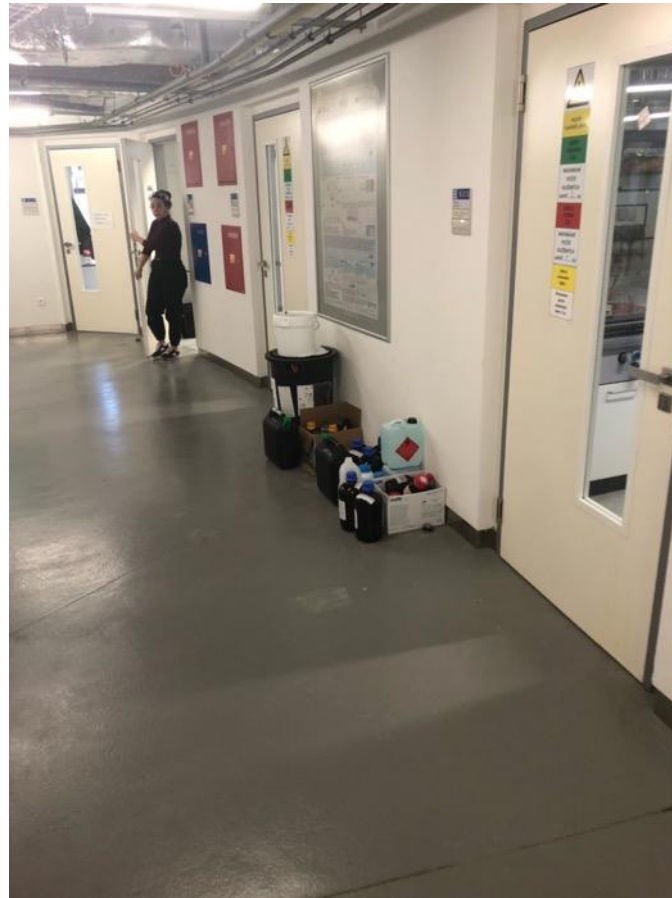
- There should be max. 30 l of solvents Class A per laboratory
- Overcrowded space: Starý, Janeba
- Too many solvents: Rosenberg, Beier



# Safety audit - Building B

## Blocked escape ways

- Nearly all groups
- Flammable objects on corridors and stairs limit the possibility to escape





# Safety audit - Building B

## Other observations

- Sashes of nearly all fume hoods opened even when nobody works there
- People walking with rubber gloves on corridor
- Doors which should be closed are wide open
- Still some green lab coats on corridors



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# IOCB Retreat in Valeč

# IOCB off-site retreat in Valeč

- 27–31 May 2024 (Monday-Friday)
- **Reminder:** All participants to fill the short online form ASAP – please also ask your group members
- Accommodation booking system will be launched on 2 May
- Please contact Iva Bodnár ([iva.bodnar@uochb.cas.cz](mailto:iva.bodnar@uochb.cas.cz)) in case of any questions related to IOCB retreat.



IOCB off-site retreat in Valeč – Program

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	Monday	Tuesday	Wednesday	Thursday	Friday
morning	Arrival	Edward Curtis	Hana Cahová	Ullrich Jahn	Iva Pichová
		Jiří Kaleta	Radim Nencka	Michael Mareš	Petr Beier
		Martin Dračínský	Eva Kudová	Zdeněk Havlas	Petr Bouř
		Gabriel Birkuš	Ondřej Pačes	Research Core Facilities	Josef Michl
		Petr Cígler	Jan Konvalinka	Michal Hocek	Helena Mertlíková-Kaiserová
		Ivo Starý	Lubomír Rulíšek	Tomáš Kouba	Pavel Jungwirth
		Pavčina Řezáčová	Stanislava Matějková	Dominik Rejman	Petr Slavíček (invited lecture)
		Václav Veverka	HR Award (Petra Ben-Ari)	Hector Martinez-Seara	Concluding remarks
				Stella De Almeida Gonsales	
afternoon	Opening	Pavel Hobza	Free afternoon	Zlatko Janeba	Departure
	Paulo Paioti	Jan Řezáč		Robert Hanus	
	David Sabatini	Kvido Stříšovský		Jan Weber	
	Tomáš Pluskal	Josef Cvačka		Václav Kašička	
	Lenka Maletínská	Pavel Šácha		Aleš Marek	
	IOCB Tech	Waste mgmt, Green Club		Milan Vrábel	
	i&i Prague	Jiří Vondrášek		Jiří Jiráček	
	Miloslav Polášek	Zuzana Kečkéšová		Pavel Majer	
	Evžen Bouřa	Tomáš Slanina			
evening					
	Poster Session I	Poster Session II	BBQ Dinner	Social evening	

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# **Gilead Sciences Research Centre update**

# Gilead Sciences Research Centre at IOCB Prague - update

- currently 3 projects funded (Birkus, Pohl, Nencka) since October 2022

## April 2024

- 3 project proposals were submitted, 4 running projects were evaluated

Decisions:

- the funded projects will be continued for another 6 months
- project of Zlatko Janeba was selected for funding

## October 2024 (week of October 15th)

- Gilead encourages pitch talks (10 min presentation + 10-15min discussion)
- Since all 4 slots are filled at this point there will be no full proposals.

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# Miscellanea



# IOCB Family Day & Happy Hours

## IOCB Family Day

- Thursday 20 June 2024, 16:00–22:00
- Ladronka Park, next to restaurant „Usedlost Ladronka“ (Břevnov 1028, Praha 6)
- All IOCB staff and their family members (particularly children) are welcome
- Program will include fun park „Herniště“ for kids with several stations, playground with trampolines, circus skills training, volleyball tournament, bowling, DJ... Refreshment will be provided.

## Happy Hours

- Planned dates: 16 May, 22 August and 26 September, 16:30–22:00, IOCB premises
- Only for staff – networking opportunities; not meant for family members or friends – any external guests must be approved by the director in advance



# Introduction of Department of Biological Controls FGI



**INSTITUTE OF PHYSIOLOGY** CAS

- IOCB established collaboration with OBK
  - introduction of the facility and its services
- May 17, 10h IOCB lecture hall  
(Petr Mlejnek)**
- organized by Pavlina Rezacova

## Biological Controls



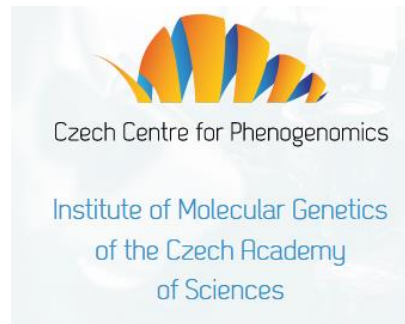
**Department of Biological Controls** provides fee-based services for nonclinical safety testing on small laboratory animals. OBK serves as registered Test Facility in the Czech Republic. OBK uses the validated state of the art equipment, established metrology program. OBK makes use of experimental stables for small animals, rooms are air conditioned, humidity is controlled, environmental parameters are continuously collected to demonstrate compliance. There are the skilled study directors, pathologists and other support personnel staff.

- **Services:**
- **Non-clinical in vivo safety and pharmacological testing**
- **Production of whole blood, plasma, serum and rabbit complement, guinea-pig complement**
- **Immunization of animals and hyperimmune sera preparation**
- **GLP certification**

<https://www.fgu.cas.cz/en/departments/biological-controls>

# Visit to Czech Centre for Phenogenomics @IMG

- the institute is negotiating collaboration with the animal facility of Czech Centre for Phenogenomics
- visit with excursion** and discussions for potential users at Vestec on **May 3rd, 13-15h**
- organized by Pavlina Rezacova  
contact her if you want to join

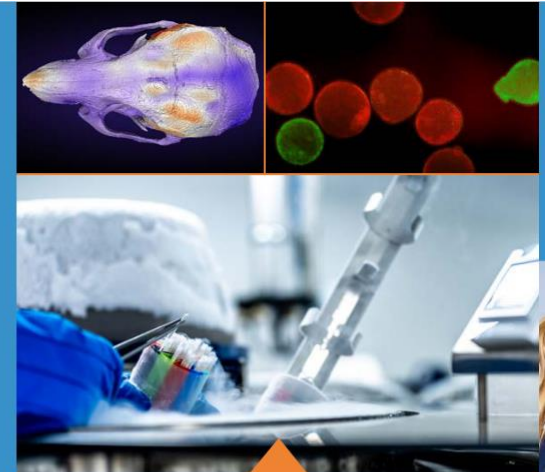


## PHENOTYPING MODULE

The Phenotyping Module encompasses a comprehensive collection of tools and know-how for the systematic and complex behavioral, physiological and morphological assessment of experimental mice and rats in a controlled specific pathogen-free environment.

Our experienced staff offer a wide variety of standardized tests and services, including those of IMPReSS (International Mouse Phenotyping Resource of Standardised Screens), mandated by our active partnership in the International Mouse Phenotyping Consortium. Notable is our capacity for conducting comprehensive phenotyping pipelines, providing a wide breadth of clinical information per experimental animal, and thereby minimizing overall animal usage.

Our mission is to support the preclinical research and development community with service of the highest professional standard. Our strength is also in customization of individual or complex secondary screens meeting the highest experimental standards.



## PRECLINICAL TESTING

Czech Centre for Phenogenomics offers a broad portfolio of highly standardized assays suitable for preclinical studies on rodents including established disease models. The interaction with Transgenic and Archiving Module allows development of customised preclinical models based on human pathogenic gene variants.

Extensive experience from standardized phenotyping enable us to run very comprehensive experiments. We offer assays from variety of physiological categories, which can be custom based arranged in complex testing workflows. Thus, we are able to answer key questions for drug development from efficacy to potential side effects.

The preclinical model can be terminally evaluated by broad clinical biochemistry analysis and experienced histopathologists. Furthermore, in the framework of the Centre for Preclinical Testing of the Czech Academy of Sciences we offer usual preclinical tests in GLP mode.



Central Bohemia Region



# IOCB Events 2024

30/4	<b>Workshop: Theo Compernelle – Fighting stress - Everything you wanted to ask but did not dare</b>
16/5	Happy Hours
18/5	Open House Praha
20–23/5	23 <sup>rd</sup> Interdisciplinary meeting of young life scientists (Milovy)
23/5	<b>IOCB Invited Lecture: Irit Sagi – Exploring "Extra Cellular (ECM) Memory for Damage" as a Mechanism for Damage Accumulation in Acute &amp; Chronic Diseases</b>
27–31/5	IOCB Retreat (Valeč u Hrotovic)
30/5–1/6	Science Fair (EXPO Letňany)
6/6	<b>Meeting with candidates for the President of the CAS</b>
7/6	Career Workshop: Darlene Solomon
19/6	ScienceFest (Vítězné náměstí)
20/6	<b>IOCB Family Day (Ladronka)</b>
22/8	Happy Hours
2–6/9	10 <sup>th</sup> 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
26/9	Happy Hours
27/9	European Researchers' Night
1-3/10	<b>Nencki-IOCB-FGU Symposia, Liblice</b>
7–10/10	PhD Bootcamp (Dolní Malá Úpa)
15/10	IOCB Invited Lecture: Henrik Ottosson – Excited State Aromaticity and Antiaromaticity: From Pitfalls to Scopes
31/10	IOCB Invited Lecture: Hiroyuki Isobe – Synthesis-Driven Chemistry of Nanocarbon Molecules
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

# Mtgs with GLs – Schedule

**2024**

- May 24
- June 21
- October, 4
- November, 1
- December, 6

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# Thank you!