



ÚOCHB AV  
IOCB PRAGUE

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# Meeting with Group Leaders

Jan Konvalinka | March 31, 2023

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# Agenda

- Short announcements
- IOCB Most Significant Publications
- OP JAC Calls 2023
- Safety updates
- IOCB Invited Lectures
- Organization of institutional and private events at IOCB
- Bar Ilan University visit to IOCB
- 70 years of IOCB Prague and beyond
- Elegance of the molecule
- Miscellanea

# Congratulations



to Pavel Jungwirth  
for winning the ERC Advanced grant!

# Let's welcome

Veronika Sedláčková,  
IOCB spokesperson



Communications Office – A.4.34

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# IOCB Most Significant Publications

# IOCB Most Significant Publications 2022 Contest

**PHYS** – Physical and Theoretical Chemistry

**CHEM** – Medicinal and Organic Chemistry

**BIO** – Biochemistry and Molecular Biology

- Internal pre-selection, final selection by IAB
- 3,5M CZK will be distributed to winners of the most significant publications
- Please send a PDF file with your nomination via e-mail to:  
[uochb@uochb.cas.cz](mailto:uochb@uochb.cas.cz) (Subject: Most Significant Publications 2022)
- **Submission deadline: April 14, 2023**

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# OP JAC Calls 2023

# OP JAC 2023 – Open Calls



Co-funded by  
the European Union



8

## 02\_23\_15 Research infrastructures I

- Submission of applications for support: 20 February 2023 - 25 August 2023
- Allocation: CZK 3 000 000 000 (investments + limited staff costs and overheads)
- The call is intended for the acquisition of new / upgrade of existing instrumentation of research infrastructures supported by the Ministry of Education and Science (LM) program, related building modifications and *in-kind* contributions to foreign infrastructure sites

*Possible participation of IOCB: yes, as applicant (Elixir-CZ - to be specified according to the consortium agreement), possible participation as partner (Eatris-CZ)*

## 02\_22\_010 MSCA Fellowships CZ

- Submission of applications for support: 1 March 2023 - 31 August 2023 (unless the allocation is exhausted earlier)
- Allocation: 750 000 000 CZK (non-investments)
- Funding for projects evaluated 70 % and above that were not supported in the corresponding Horizon Europe call because of limited budget

*Possible participation of the IOCB: yes, as an applicant; provided that such a project has been submitted to the HE call*



# OP JAC 2023 – Open Calls



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9

## 02\_23\_14 **OPEN Science I**

- Submission of applications for support: 3 February 2023 - 2 January 2024
- The call supports the establishment of a distributed National Repository Platform as a key building block of the National Data Infrastructure

*Possible participation of the IOCB: cannot be applicant (only organizations mandated by the MEY are allowed to apply), can be invited as a partner*

Intent to apply should be discussed  
and approved by management in advance.



Blanka Hajná



Libor Daněk

**Department of large projects**

# OP JAC 2023 – Planned Calls



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10

## Cross-sectoral cooperation

- Expected announcement: 7/2023                      Expected call closure: 11/2023
- Allocation: CZK 1,750,000,000 (allocation per project – the tens of millions (investments and non-investments))
- Support for cooperation between research organizations and the application sector with emphasis on specific joint research projects, future applicability of research results and building long-term partnerships.
- Follow-up to the calls of OP TAC (Technologies and Applications for Competitiveness program under the Ministry of Industry and Trade) – to be announced in the first half of 2023

*Relevance for IOCB: yes, as applicant or partner; mandatory cooperation with application partner (to be specified)*

## Research environment

- Expected announcement: 10/2023                      Expected call closure: 1/2024
- Allocation: 1,000,000,000 CZK (allocation per project - the tens of millions (non-investment))
- Support for the development of the institutional environment of research organizations – to receive or keep HR Award; development of institution administrative capacity; HR management and career development in R&D&I; support for combining research work and parenting / long-term care of a family member; PR of R&D and R&D results

*Relevance for IOCB: yes, as applicant*

# OP JAC 2023 – Planned Calls



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11

## MSCA - COFUND CZ

- Expected announcement: 8/2023 Expected call closure: 12/2023
- Allocation: 250 000 000 CZK (non-investment)
- Support for projects that were successful in the Horizon Europe evaluation under the Marie Skłodowska-Curie Actions - COFUND Action (i.e. the program to support the development of doctoral and post-doctoral study/training program) and were awarded the Seal of Excellence but could not be funded due to limited financial allocation

*Relevance for IOCB: yes, as an applicant, if a project has been submitted to a relevant Horizon Europe call (HORIZON-MSCA-2022-COFUND-01)*

## Teaming II

- Expected announcement: end of 2023 / beginning 2024
- Support for projects submitted to the Horizon Europe Teaming for Excellence call HORIZON-WIDERA-2023-ACCESS-01-01-two-stage (deadline 12.4.2023) will be announced in 2024; possible collaboration with the Ministry of Education on targeting the call through email consultation.

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# Safety Updates



# Safety audit in biochem labs – Building C

## Basic learnings

Housekeeping is not only organic chemist problem!!!



May be difficult to work



# Safety audit in biochem labs – Building C

14

There is probably competition between labs who can best hide their fire-extinguisher. Will you find it?



Strong candidate to be a winner



This comes also close



This is the most sophisticated - there should be one in the cabinet, but find only paper.



# Safety audit in biochem labs – Building C

15



If the door should be closed, why it is open?



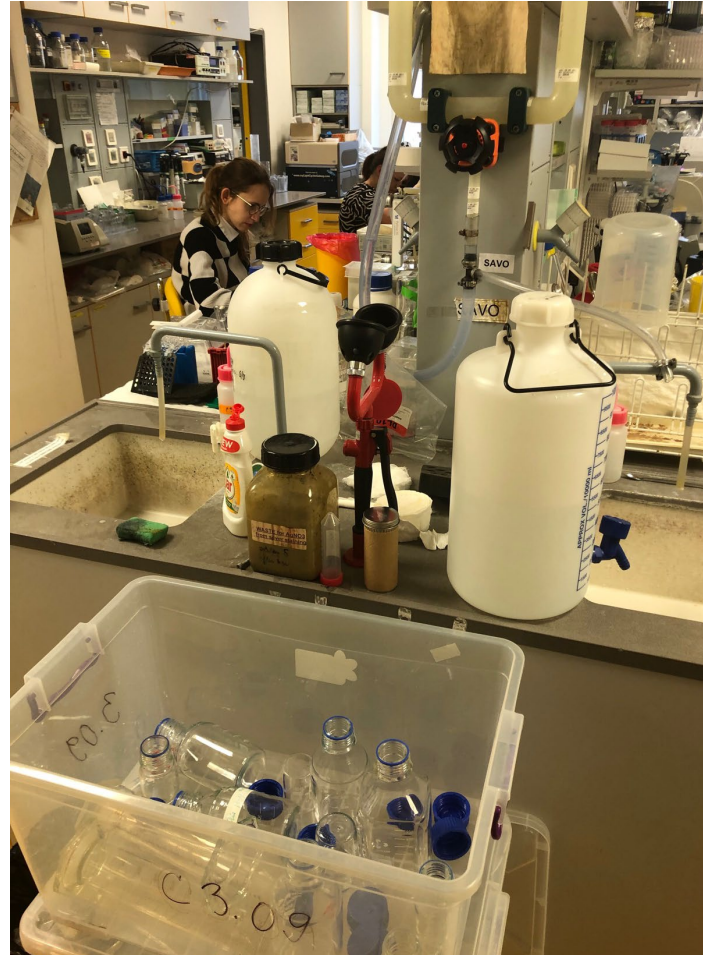
This should be emergency exit!!!



Really professional way to store radioactive

# Safety audit in biochem labs – Building C

Again the eye shower, you will be blind when you need it!

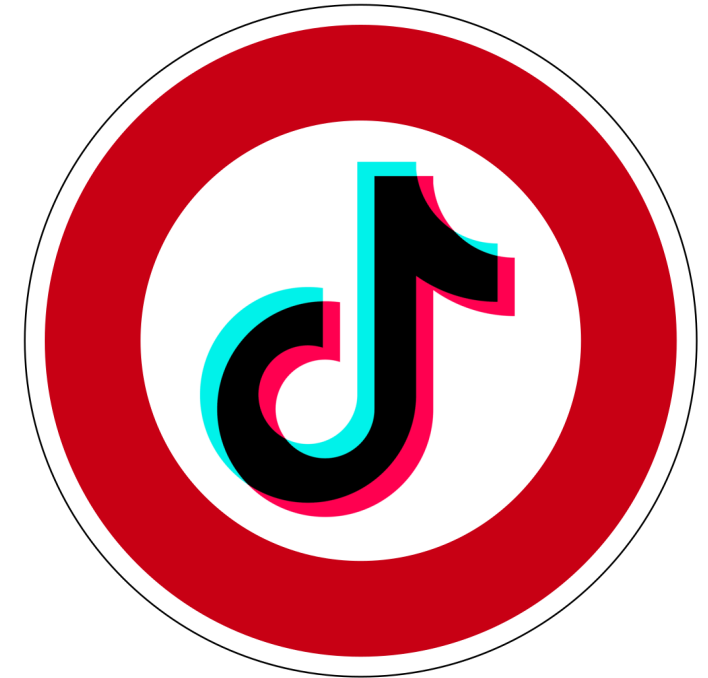


**This was the cause of fire at Olympic hotel in Prague in 1995. Paper boxes on the fridge got overheated and caught fire. Result: 6 dead, 34 injured - mainly intoxication**



# TikTok ban on IOCB networks

- Employees are called on to uninstall the TikTok app from all devices that connect to any IOCB computer network (including wifi).
- This decision was made based on NCISA – National Cyber and Information Security Agency (NÚKIB) [recommendation](#) from March 8, 2023:



*“The Agency is concerned about potential security threat stemming from the use of TikTok primarily due to the amount of user data that is collected by the app as well as the way the data is handled. Such large-scale data collection is concerning due to the legal and political environment of the People's Republic of China (PRC), given that ByteDance, the developer and administrator of TikTok, falls under the legal jurisdiction of the PRC.”*

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# IOCB Invited Lectures

# IOCB Invited Lectures 2023-2024

19

## 2023

IOCB INVITED LECTURE

### Invited Lecture – Eva Nogales

20 February 2023

IOCB Prague



IOCB Invited Lecture

**Prof. Eva Nogales**  
(University of California, Berkeley, CA, USA)

Structural Insights into the Regulation of the Gene Silencer PRC2

20 February 2023 | 10 a.m. IOCB Prague, Lecture Hall

IOCB INVITED LECTURE

### Invited Lecture – Lisa Stowers

4 May 2023

IOCB Prague



IOCB Invited Lecture

**Prof. Lisa Stowers**  
Department of Neuroscience, The Scripps Research Institute, San Diego, CA, USA

Leveraging Pheromones and Olfactory Sensation to Study Social Behavior in the Mouse

4 May 2023 | 10 a.m. IOCB Prague, Lecture Hall

IOCB INVITED LECTURE

### Invited Lecture – Makoto Fujita

22 September 2023

IOCB Prague



IOCB Invited Lecture

**Prof. Makoto Fujita**  
Department of Applied Chemistry, School of Engineering, The University of Tokyo, Japan

Coordination Self-Assembly: From Origins to the Latest Advances

22 September 2023 | 10 a.m. IOCB Prague, Lecture Hall



**Tony Holý Lecture - Tomáš Cihlár**  
May 31, 2023

<https://www.uochb.cz/en/iocb-invited-lectures-2023>

## 2024

**Hans-Georg Kräusslich**  
2023(?)



**Nuno Maulide**  
February/March



**David Ron**  
April



**Chad A. Mirkin**  
September



# IOCB Invited Lectures - Next Call (for fall 2023/2024)

20

<http://data.uochb.cas.cz/forms2/index.php/Lecture>

Zvaná přednáška na ÚOCHB / IOCB Invited Lecture

Jméno / Given Name(s)\*

Příjmení / Surname\*

Pracoviště / Affiliation\*

Pracovní zaměření / Research Field\*

Významné úspěchy / Achievements\*

Další informace (ocenění, funkce aj.) / Further Information (awards, appointments etc.)\*

Hirsh index\*

Počet publikací / Number of Publications\*

E-mail\*

Web page\*

Kdo nominuje / Nominated by

Jméno / Given Name(s)\*

Příjmení / Surname\*

E-mail\*

\* Povinné pole / Fields are required.

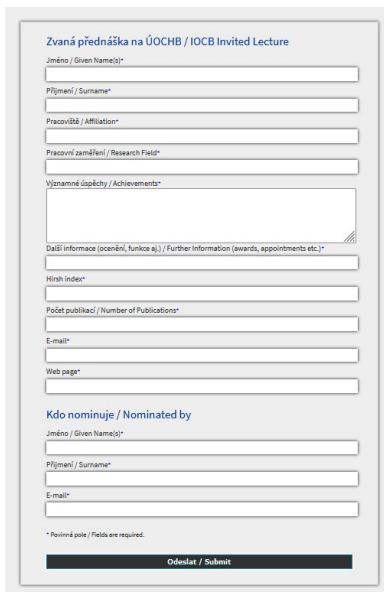
Odeslat / Submit

Please submit your proposals using this form by

**April 15, 2023**

# IOCB Invited Lectures - Next Call (for fall 2023/2024)

21



The screenshot shows a nomination form titled "Zvaná přednáška na ÚOCHB / IOCB Invited Lecture". It contains several input fields for personal and professional information, including name, affiliation, research field, achievements, H-index, publications, email, and web page. There is also a section for the nominator's details. A "Submit" button is at the bottom.

Zvaná přednáška na ÚOCHB / IOCB Invited Lecture

Jméno / Given Name(s):

Příjmení / Surname:

Pracoviště / Affiliation:

Pracovní zaměření / Research Field:

Významné úspěchy / Achievements:

Další informace (ocenění, funkce aj.) / Further information (awards, appointments etc.):

H-index:

Počet publikací / Number of Publications:

E-mail:

Web page:

Kdo nominuje / Nominated by

Jméno / Given Name(s):

Příjmení / Surname:

E-mail:

\* Povinná pole / Fields are required.

Odeslat / Submit

## Reminder:

The **IOCB Invited Lectures** is a series of talks delivered by prominent leaders as well as rising stars covering various hot topics of chemistry and biochemistry. It is intended to stimulate faculty members and especially the young colleagues.

Unfortunately, there have been still so far only a few excellent female scientists among great male ones. **Please nominate also great female scientists.**

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# Institutional and private events at IOCB

# Institutional and private events at IOCB

- Organization of both institutional and private events at IOCB is governed by the Directive [S2018-02](#)
- Request forms can be found on IntraWeb under “Documents” section
- **Institutional events**
  - obligation to submit the completed request form to all relevant departments for comments, requests are subject to Director’s approval
- **Private events**
  - request form must be submitted to the Director, only small number of external visitors allowed
- External visitors have to register at the reception
- **All events must finish before 22:00, no parties are allowed during night hours**
- Organizers are responsible for cleaning and restoring the premises to their original state so that they are ready for the next user

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# Bar Ilan University Visit to IOCB



# Bar Ilan University Visit to IOCB

## 19-20 April 2023



The Herzl Center  
for Israel Studies  
Charles University



**BIRAD**  
RESEARCH & DEVELOPMENT  
— COMPANY LTD —  
Bar-Ilan University

**Prof. Shulamit Michaeli** (Vice-President for Research, Bar Ilan University) and  
**Dr. Assaf Sagiv** (Bar Ilan University Research & Development Company)

- 10:00 Invited lecture (Prof. Michaeli), IOCB Lecture Hall
  - **Regulation by RNA metabolism in trypanosomatids from basics to developing of a drug**
- 11:30 Lunch with students and postdocs
  - Café Organica
- 13–17:00 Individual consultations
  - please fill in the own cloud table in e-mail or contact Scientific Coordinator Petra Ben-Ari  
[petra.ben-ari@uochb.cas.cz](mailto:petra.ben-ari@uochb.cas.cz), ext. 557
- 19:00 Dinner (please fill in your interest in the OwnCloud table)
  - TBD
- **20 April 2023** Roundtable with invited guests

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# **Symposium 70 years of IOCB Prague and beyond**



31 May 2023

- Based on received abstracts, the program committee selected four IOCB speakers:
  - Hana Cahová
  - Tomáš Slanina
  - Miloslav Polášek
  - Milan Vrábel
- Poster session: **36 groups** have submitted a poster abstract
- On **Friday, March 31**, the registration form will be first sent to Group Leaders and colleagues presenting a poster
- After that, the registration will open to other colleagues.
- Balling Hall can host 270 attendees

ÚOCHB  
IOCB PRAGUE

Vyhledat

EN

27

RozcestníkNástěnkaUdálostiVedeníAdministrativaVědaPersonální & mzdyITSKontaktyOstatníDokumenty

/ Úvod / Rozcestník

nástěnka

události1

mapa

kontakty

formuláře

Albina

OKbase

granty

rezervace

knihovna

webmail

inzeráty

obrazovky

kavárna

70 years

Jubilee IOCB  
**Happy Hours**  
31 May 2023  
18:00–22:00  
on IOCB premises

↑  
All information  
about the  
symposium can  
be found in  
Intraweb

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# Elegance of the molecule

# The Elegance of the molecule 2022 - September 7-8<sup>th</sup>

**Wed 7th Sept**

## **Virology**

10:00–10:25

therapeutics

**R. Nencka:** Viral methyltransferase inhibitors as potential

10:25–10:50

spectrum antiviral therapy

**S. De Jonghe:** Targeting Numb associated kinases for broad

10:50–11:15 **Lieve Naesens**

11:15–11:40 **Graciela Andrei**

11:40–12:05 **Johan Neyts**

**12:05–14:00**

**lunch + networking + visiting labs**

## **Emerging targets in drug discovery**

14:00–14:25

14:25–14:50

dehydrogenase

14:50–15:15

**V. Veverka:** Targeting epigenetic protein-protein interactions

**I. Pichová:** Allosteric inhibition of inosine-5'-monophosphate

**Tom Van Loy/D Schols**

## **Oncology**

15:15–15:40

15:40–16:05

16:05–16:30

**Gabriel Birkuš:** Novel STING agonists for cancer immunotherapy

**Pavel Majer:** Glutamine antimetabolites as a new therapy of cancer

**Dirk Daelemans**

**16:30–18:30**

**18:30**

**19:00**

**reception + networking + visiting labs**

**leave for 30CC**

**theatre and reception**

**Thu 8th Sept**

## **Nucleic acids in chemical and synthetic biology**

9:00–9:25

biology and diagnostics

9:25–9:50

**V. Pinheiro:** Nucleic acids – synthetic biology

## **Acyclic nucleoside phosphonates**

9:50–10:25

**Z. Janeba:** Acyclic nucleoside phosphonates as

inhibitors of purine salvage enzymes

10:25–11:00

**P. Herdewijn/E. Groaz :**

**11:00–11:30**

## **VENUE**



# The Elegance of the molecule 2023 - October 5-6<sup>th</sup>

## VERY PRELIMINARY AGENDA

Dates: Oct 5<sup>th</sup> (Thu) – Oct 8<sup>th</sup> (Sun), 2023 - **SAVE THE DATE**

**Scientific program: Oct 5<sup>th</sup> (Thu) – Oct 6<sup>th</sup> (Fri)**

Task for those interested to participate actively!  
(all are invited to attend)

- **Topic:** Med Chem & Bio, antiviral & anticancer research, medicinal applications, emerging targets in drug discovery, etc.

- Express your interest and send e-mail with potential talk title by the end of April: **[janeba@uochb.cas.cz](mailto:janeba@uochb.cas.cz)**

**We will keep you updated!**

**Social program: Oct 7<sup>th</sup> (Sat) – Oct 8<sup>th</sup> (Sun)**

Prague visit etc., excursion ...  
Collaborative discussions

**VENUE: IOCB**



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# Miscellanea

# Maternity allowance update

- With effect from 1 April 2023, the allowance will raise to CZK 17,000 per month (gross) for at least 50% workload
- The IOCB Management intends to broaden this benefit to any PARENT who is returning to work at IOCB from maternity/parental leave, there will be a minimum length of such a break as a prerequisite for the allowance
- Updated directive will be available on the IntraWeb



# Dream Chemistry Award 2023 – Call open

## Nominations

- Nominators must hold a PhD and have at least ten years of experience since the publication of their first scientific paper

## Applications

- Eligible candidates with PhD awarded in 2016 or later will be invited to submit their applications with the dream project in chemistry or a chemistry-related discipline
- Current employees of IOCB are excluded

## Key dates

- Nomination deadline: **June 30**
- Application deadline: **August 31**
- Selection of the 5 finalists: early October
- Finals: **December 4–5**, Prague, Czechia

The DCA laureate will be awarded a Dream Chemistry Award trophy and a cash prize of €10,000, the other finalists receive a Dream Chemistry Top 5 Prize and a cash prize of €1,000.

On the occasion of IOCB 70<sup>th</sup> anniversary and 10 years since the first round of DCA contest, previous DCA laureates and special guests will be invited to come to Prague for the DCA finals.



DREAM  
CHEMISTRY  
AWARD

Dream Chemistry Award Finals

December 4-5, 2023  
IOCB Prague



[www.dreamchemistryaward.org](http://www.dreamchemistryaward.org)

# SSP – Summer Student Program – first announcement

- Summer internship for Master students (EU Universities) looking for summer work experience
- Organized by PhD coordinator - Martina Nussbaumerová
- Institute provides accommodation, financial supports (~ 980 € for their 8-week stay), travel expenses are covered by the students
- Research groups will be asked to express their interest to be host laboratories
- Group leaders will be asked to advertise program at collaborating universities
- Application deadline: Monday, May 8
- Selection deadline: Thursday, May 18
- Student stays: June 26 – August 25, 2023

# IOCB Events 2023

- 14. 4. General Assembly of IOCB employees (Balling Hall – NTK)
- 19. 4. Lecture: Prof. Schulamit Michaeli (Bar Ilan University, Ramat Gan, Israel)
- 25. 4. PhD Science Club
- 4. 5. IOCB Invited Lecture: Prof. Lisa Stowers (The Scripps Research Institute, San Diego, USA)
- 16. 5. Dana Hocková Seminar: Prof. Štěpánka Vaňáčová (CEITEC, Brno)
- 20. 5. Open House Praha
- 31. 5. Symposium 70 years of IOCB Prague and beyond (NTK), Tony Holý Lecture by Tomáš Cihlár
- 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**
- 6.–11. 11. Week of the CAS & IOCB Openhouse Days
- 4.–5. 12. Dream Chemistry Award Finals

# Mtgs with GLs – 2023 Schedule

- April 28
- May 26
- June 29

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# Thank you!