IOCB PRAGUE

# Meeting with Group Leaders

Jan Konvalinka | February 28, 2025

# Agenda

- Most Significant Publications 2024
- Updates on grants
- Safety updates
- Updates from Research Support Department
- Miscellanea

# Most Significant Publications 2024

# IOCB Most Significant Publications 2024

**PHYS** Physical and Theoretical Chemistry
**CHEM** Medicinal and Organic Chemistry
**BIO** Biochemistry and Molecular Biology

## 2023: 39 Nominations

- **CHEM** 21 submissions [15 in 2023]
- **BIO** 13 submissions [14 in 2023]
- **PHYS** 9 submissions [10 in 2023]

# IOCB Most Significant Publications – CHEM (1)

| | |
|---|---|
| Zlatko Janeba | Chayka, A.; Česnek, M.; Kužmová, E.; Kozák, J.; Tloušťová, E.; Dvořáková, A.; Strmeň, T.; Brož, B.; Osifová, Z.; Dračínský, M.; Mertlíková-Kaiserová, H.; Janeba, Z. Structure-Based Drug Design of ADRA2A Antagonists Derived from Yohimbine. Journal of Medicinal Chemistry 2024, , 10135-10151. https://doi.org/10.1021/acs.jmedchem.4c00323 |
| Aleš Marek | Zima, V.; Marek, A.; Tureček, F. Competitive Radical Migrations and Ribose Ring Cleavage in Adenosine and 2'-Deoxyadenosine Cation Radicals. Journal of Physical Chemistry A 2024, 128, 1109-1123. https://doi.org/10.1021/acs.jpca.3c07906 |
| Petr Beier | Baris, N.; Dračínský, M.; Tarábek, J.; Filgas, J.; Slavíček, P.; Ludvíková, L.; Boháčová, S.; Slanina, T.; Klepetářová, B.; Beier, P. Photocatalytic Generation of Trifluoromethyl Nitrene for Alkene Aziridination. Angewandte Chemie - International Edition 2024, , e202315162. https://doi.org/10.1002/anie.202315162 |
| Petr Beier | Motornov, V.; Procházka, M.; Alpuente, N.; Salvador, P.; Slavíček, P.; Klepetářová, B.; Ribas, X.; Beier, P. Introducing Weakly Ligated Tris(trifluoromethyl)copper(III). ChemistryEurope 2024, 2, e202400004. https://doi.org/10.1002/ceur.202400004 |
| Michal Hocek | Brunderová, M.; Havlíček, V.; Matyašovský, J.; Pohl, R.; Poštová Slavětínská, L.; Krömer, M.; Hocek, M. Expedient production of site specifically nucleobase-labelled or hypermodified RNA with engineered thermophilic DNA polymerases. Nature Communications 2024, 15, 3054. https://doi.org/10.1038/s41467-024-47444-9 |
| Michal Hocek | Spampinato, A.; Leone, D.L.; Pohl, R.; Tarábek, J.; Šoltysová, M.; Polák, M.; Kádek, A.; Sýkorová, V.; Řezáčová, P.; Hocek, M. ABNOH-Linked Nucleotides and DNA for Bioconjugation and Cross-linking with Tryptophan-Containing Peptides and Proteins. Chemistry - A European Journal 2024, 30, e202402151. https://doi.org/10.1002/chem.202402151 |
| Miloslav Polášek | Kretschmer, J.; Chiaffarelli, R.; Vuozzo, M.; Cotton, J.; Blahut, J.; Ráliš, J.; Dračínský, M.; Matějková, S.; Seeling, U.; Schmid, A.; Martins, A.; Polášek, M. A Macrocyclic Hybrid PET/MRI Probe for Quantitative Perfusion Imaging In Vivo. Angewandte Chemie - International Edition 2024, 63, e202409520. https://doi.org/10.1002/anie.202409520 |
| Miloslav Polášek | David, T.; Šedinová, M.; Myšková, A.; Kuneš, J.; Maletínská, L.; Pohl, R.; Dračínský, M.; Mertlíková-Kaiserová, H.; Čížek, K.; Klepetářová, B.; Litecká, M.; Kaňa, A.; Sýkora, D.; Jaroš, A.; Straka, M.; Polášek, M. Ultra-inert lanthanide chelates as mass tags for multiplexed bioanalysis. Nature Communications 2024, 15, 9836. https://doi.org/10.1038/s41467-024-53867-1 |
| Tomáš Slanina | Copko, J.; Slanina, T. Multiplicity-driven photochromism controls three-state fulgimide photoswitches. Chemical Communications 2024, 60, 3774-3777. https://doi.org/10.1039/d3cc05975h |
| Tomáš Pluskal | Heuckeroth, S.; Damiani, T.; Smirnov, A.; Mokshyna, O.; Brungs, C.; Korf, A.; Smith, J.D.; Stincone, P.; Dreolin, N.; Nothias, L.; Hyötyläinen, T.; Orešič, M.; Karst, U.; Dorrestein, P.; Petras, D.; Du, X.; van der Hooft, J.; Schmid, R.; Pluskal, T. Reproducible mass spectrometry data processing and compound annotation in MZmine 3. Nature Protocols 2024, 19, 2597-2641. https://doi.org/10.1038/s41596-024-00996-y |

# IOCB Most Significant Publications – CHEM (2)

| | |
|---|---|
| Petr Bouř | Halat, M.; Zajac, G.; Andrushchenko, V.; Bouř, P.; Baranski, R.; Pajor, K.; Baranska, M. Induced Chirality in Canthaxanthin Aggregates Reveals Multiple Levels of Supramolecular Organization. Angewandte Chemie - International Edition 2024, 63, e202402449. https://doi.org/10.1002/anie.202402449 |
| Milan Vrábel | Šlachtová, V.; Bellová, S.; Vrábel, M. Synthesis of C3-Substituted N1-tert-Butyl 1,2,4-Triazinium Salts via the Liebeskind–Srogl Reaction for Fluorogenic Labeling of Live Cells. Journal of Organic Chemistry 2024, 89, 14634-14640. https://doi.org/10.1021/acs.joc.3c02454 |
| Petr Cígler | Kindermann, M.; Neburková, J.; Neuhöferová, E.; Majer, J.; Štejfová, M.; Benson, V.; Cígler, P. Design Rules for the Nano-Bio Interface of Nanodiamonds: Implications for siRNA Vectorization. Advanced Functional Materials 2024, 34, 2314088. https://doi.org/10.1002/adfm.202314088 |
| Edward Curtis | Volek, M.; Kurfürst, J.; Drexler, M.; Svoboda, M.; Srb, P.; Veverka, V.; Curtis, E.A. Aurora: a fluorescent deoxyribozyme for high-throughput screening. Nucleic Acids Research 2024, 52, gkae467. https://doi.org/10.1093/nar/gkae467 |
| Edward Curtis | Volek, M.; Kurfürst, J.; Kožíšek, M.; Srb, P.; Veverka, V.; Curtis, E.A. Apollon: a deoxyribozyme that generates a yellow product. Nucleic Acids Research 2024, 52, gkae490. https://doi.org/10.1093/nar/gkae490 |
| Eva Kudová | Szánti-Pintér, E.; Jirkalová, L.; Pohl, R.; Bednárová, L.; Kudová, E. Stereoselective Reduction of Steroidal 4-Ene-3-ketones in the Presence of Biomass-Derived Ionic Liquids Leading to Biologically Important 5β-Steroids. ACS Omega 2024, 9, 7043-7052. https://doi.org/10.1021/acsomega.3c08963 |
| Radim Nencka | Klíma, M.; Dejmek, M.; Duchoslav, V.; Eisenreichová, A.; Šála, M.; Chalupský, K.; Chalupská, D.; Novotná, B.; Birkuš, G.; Nencka, R.; Bouřa, E. Fluorinated cGAMP analogs, which act as STING agonists and are not cleavable by poxins: Structural basis of their function. Structure 2024, 32, 433-439. https://doi.org/10.1016/j.str.2024.01.008 |
| Jan Konvalinka | Čermáková, K.; Šimková, A.; Wichterle, F.; Kryštůfek, R.; Staňurová, J.; Vaníčková, Z.; Bušek, P.; Konvalinka, J.; Šácha, P. Sensitive quantification of fibroblast activation protein and high-throughput screening for inhibition by FDA-approved compounds. European Journal of Medicinal Chemistry 2024, 280, 116948. https://doi.org/10.1016/j.ejmech.2024.116948 |
| Jiří Kaleta | Severa, L.; Santos Hurtado, C.; Rončević, I.; Mašát, M.; Bastien, G.; Štoček, J.R.; Dračínský, M.; Houska, V.; Kaletová, E.; Garza, D.; Císařová, I.; Cimatu, K.; Bastl, Z.; Kaleta, J. Regular Arrays of Rod-Shaped Molecular Photoswitches: Synthesis, Preparation, Characterization, and Selective Photoswitching within Mono- and Bilayer Systems. Chemistry - A European Journal 2024, 30, e202302828. https://doi.org/10.1002/chem.202302828 |
| Jiří Kaleta | Bastien, G.; Severa, L.; Škuta, M.; Santos Hurtado, C.; Rybáček, J.; Šolínová, V.; Císařová, I.; Kašička, V.; Kaleta, J. Triptycene-Based Tripodal Molecular Platforms. Chemistry - A European Journal 2024, 30, e202401889. https://doi.org/10.1002/chem.202401889 |
| Ullrich Jahn | Just, D.; Palivec, V.; Bártová, K.; Bednárová, L.; Pazderková, M.; Císařová, I.; Martinez-Seara, H.; Jahn, U. Foldamers controlled by functional triamino acids: structural investigation of α/γ-hybrid oligopeptides. Communications Chemistry 2024, 7, 114. https://doi.org/10.1038/s42004-024-01201-7 |

# IOCB Most Significant Publications – BIO (1)

| | |
|---|---|
| Pavlína Řezáčová | Šoltysová, M.; Škerlová, J.; Pachl, P.; Škubník, K.; Fábry, M.; Sieglová, I.; Farolfi, M.; Grishkovskaya, I.; Babiak, M.; Nováček, J.; Krásný, L.; Řezáčová, P. Structural characterization of two prototypical repressors of SorC family reveals tetrameric assemblies on DNA and mechanism of function. Nucleic Acids Research 2024, 52, gkae434. https://doi.org/10.1093/nar/gkae434 |
| Pavlína Řezáčová | Škerlová, J.; Brynda, J.; Šobotník, J.; Zákopčaník, M.; Novák, P.; Bourguignon, T.; Sillam-Dussès, D.; Řezáčová, P. Crystal structure of blue laccase BP76, a unique termite suicidal defense weapon. Structure 2024, 32, 1581-1585. https://doi.org/10.1016/j.str.2024.07.015 |
| Michael Mareš | Spiwoková, P.; Horn, M.; Fanfrlík, J.; Jílková, A.; Fajtová, P.; Leontovyč, A.; Houštecká, R.; Bieliková, L.; Brynda, J.; Chanová, M.; Mertlíková-Kaiserová, H.; Caro-Diaz, E.; Almaliti, J.; El-Sakkary, N.; Gerwick, W.; Caffrey, C.; Mareš, M. Nature-Inspired Gallinamides Are Potent Antischistosomal Agents: Inhibition of the Cathepsin B1 Protease Target and Binding Mode Analysis. ACS Infectious Diseases 2024, 10, 1935-1948. https://doi.org/10.1021/acsinfecdis.3c00589 |
| Aleš Marek | Mrázková, L.; Lubos, M.; Voldřich, J.; Kužmová, E.; Zrubecká, D.; Gwozdiaková, P.; Buděšínský, M.; Asai, S.; Marek, A.; Pícha, J.; Tencerová, M.; Ferenčáková, M.; Barrera Alquicer, G.; Kaminský, J.; Jiráček, J.; Žáková, L. The final walk with preptin. PLoS ONE 2024, 19, e0309726. https://doi.org/10.1371/journal.pone.0309726 |
| Lenka Maletínská | Charvát, V.; Strnadová, A.; Myšková, A.; Sýkora, D.; Blechová, M.; Železná, B.; Kuneš, J.; Maletínská, L.; Pačesová, A. Lipidized analogues of the anorexigenic CART (cocaine- and amphetamine-regulated transcript) neuropeptide show anorexigenic and neuroprotective potential in mouse model of monosodium-glutamate induced obesity. European Journal of Pharmacology 2024, 980, 176864. https://doi.org/10.1016/j.ejphar.2024.176864 |
| Hana Macíčková Cahová | Potužník, J.F.; Nešuta, O.; Škríba, A.; Voleníková, B.; Mititelu, M.B.; Mancini, F.; Serianni, V.; Fernandez, H.; Spustová, K.; Trylčová, J.; Vopálenský, P.; Cahová, H. Diadenosine Tetraphosphate (Ap4A) Serves as a 5' RNA Cap in Mammalian Cells. Angewandte Chemie - International Edition 2024, 63, e202314951. https://doi.org/10.1002/anie.202314951 |
| Iva Pichová, Tomáš Kouba | Bulvas, O.; Knejzlík, Z.; Sýs, J.; Filimoněnko, A.; Čížková, M.; Clarová, K.; Rejman, D.; Kouba, T.; Pichová, I. Deciphering the allosteric regulation of mycobacterial inosine-5'-monophosphate dehydrogenase. Nature Communications 2024, 15, 6673. https://doi.org/10.1038/s41467-024-50933-6 |
| Petr Cígler | Janko, K.; Eisner, J.; Cígler, P.; Tichopád, T. Unifying framework explaining how parental regulatory divergence can drive gene expression in hybrids and allopolyploids. Nature Communications 2024, 15, 8714. https://doi.org/10.1038/s41467-024-52546-5 |

# IOCB Most Significant Publications – BIO (2)

| | |
|---|---|
| Tomáš Kouba | Koval, T.; Borah, N.; Sudzinová, P.; Brezovská, B.; Šanderová, H.; Hausnerová Vaňková, V.; Křenková, A.; Hubálek, M.; Trundová, M.; Adámková, K.; Dušková, J.; Schwarz, M.; Wiedermannová, J.; Dohnálek, J.; Krásný, L.; Kouba, T. Mycobacterial HelD connects RNA polymerase recycling with transcription initiation. Nature Communications 2024, 15, 8740. https://doi.org/10.1038/s41467-024-52891-5 |
| Eva Kudová | Kysilov, B.; Kuchtiak, V.; Hrčka Krausová, B.; Balík, A.; Kořínek, M.; Fili, K.; Dobrovolski, M.; Abramová, V.; Chodounská, H.; Kudová, E.; Božíková, P.; Černý, J.; Smejkalová, T.; Vyklický ml., L. Disease-associated nonsense and frame-shift variants resulting in the truncation of the GluN2A or GluN2B C-terminal domain decrease NMDAR surface expression and reduce potentiating effects of neurosteroids. Cellular and Molecular Life Sciences 2024, 81, 36. https://doi.org/10.1007/s00018-023-05062-6 |
| Jan Konvalinka | Zamani, M.R.; Hadzima, M.; Blažková, K.; Šubr, V.; Ormsby, T.; Celis-Gutierrez, J.; Malissen, B.; Kostka, L.; Etrych, T.; Šácha, P.; Konvalinka, J. Polymer-based antibody mimetics (iBodies) target human PD-L1 and function as a potent immune checkpoint blocker. Journal of Biological Chemistry 2024, 300, 107325. https://doi.org/10.1016/j.jbc.2024.107325 |
| Kvido Stříšovský | Bach, K.; Dohnálek, J.; Škerlová, J.; Kuzmík, J.; Poláchová, E.; Stanchev, S.; Majer, P.; Fanfrlík, J.; Pecina, A.; Řezáč, J.; Lepšík, M.; Borshchevskiy, V.; Polovinkin, V.; Stříšovský, K. Extensive targeting of chemical space at the prime side of ketoamide inhibitors of rhomboid proteases by branched substituents empowers their selectivity and potency. European Journal of Medicinal Chemistry 2024, 275, 116606. https://doi.org/10.1016/j.ejmech.2024.116606 |
| Pavel Majer | Hadzima, M.; Faucher, F.; Blažková, K.; Yim, J.; Guerra, M.; Chen, S.; Woods, E.; Park, K.; Šácha, P.; Šubr, V.; Kostka, L.; Etrych, T.; Majer, P.; Konvalinka, J.; Bogyo, M. Polymer-Tethered Quenched Fluorescent Probes for Enhanced Imaging of Tumor-Associated Proteases. ACS Sensors 2024, 9, 3720-3729. https://doi.org/10.1021/acssensors.4c00912 |

# IOCB Most Significant Publications – PHYS

| | |
|---|---|
| Lubomír Rulíšek | Osifová, Z.; Kalvoda, T.; Galgonek, J.; Culka, M.; Vondrášek, J.; Bouř, P.; Bednárová, L.; Andrushchenko, V.; Dračínský, M.; Rulíšek, L. What are the minimal folding seeds in proteins? Experimental and theoretical assessment of secondary structure propensities of small peptide fragments. Chemical Science 2024, 15, 594-608. https://doi.org/10.1039/d3sc04960d |
| Lubomír Rulíšek | Droghetti, F.; Lemken, F.; Rulíšek, L.; Ruggi, A.; Natali, M. Selective and Efficient Light-Driven CO2 Reduction to CO with a Heptacoordinated Polypyridine Iron(II) Catalyst. ACS Catalysis 2024, 14, 16920-16935. https://doi.org/10.1021/acscatal.4c04290 |
| Tomáš Slanina | Bím, D.; Luedecke, K.; Cagan, D.; Hadt, R. Light Activation and Photophysics of a Structurally Constrained Nickel(II)-Bipyridine Aryl Halide Complex. Inorganic Chemistry 2024, 63, 4120-4131. https://doi.org/10.1021/acs.inorgchem.3c03822 |
| Tomáš Pluskal | Bushuiev, R.; Bushuiev, A.; de Jonge, N.; Young, A.; Kretschmer, F.; Samusevich, R.; Heirman, J.; Wang, F.; Zhang, L.; Dührkop, K.; Ludwig, M.; Haupt, N.; Kalia, A.; Brungs, C.; Schmid, R.; Greiner, R.; Wang, B.; Wishart, D.; Liu, L.; Rousu, J.; Bittremieux, W.; Rost, H.; Mak, T.; Hassoun, S.; Huber, F.; van der Hooft, J.; Stravs, M.; Böcker, S.; Šivic, J.; Pluskal, T. MassSpecGym: A benchmark for the discovery and identification of molecules. 38th Conference on Neural Information Processing Systems, 2024. https://doi.org/10.48550/arXiv.2410.23326 |
| Petr Bouř | Škrna, O.; Kessler, J.; Liu, Z.; Che, S.; Bouř, P. Reproduction of Chiral Anisotropy in Surface-Enhanced Raman Scattering on Gold Nanowires by Computational Modeling. Journal of Physical Chemistry C 2024, , 12649-12656. https://doi.org/10.1021/acs.jpcc.4c02703 |
| Jan Řezáč | Pecina, A.; Fanfrlík, J.; Lepšík, M.; Řezáč, J. SQM2.20: Semiempirical quantum-mechanical scoring function yields DFT-quality protein-ligand binding affinity predictions in minutes. Nature Communications 2024, 15, 1127. https://doi.org/10.1038/s41467-024-45431-8 |
| Pavel Hobza | Manna, D.; Lo, R.; Vacek, J.; Miriyala, V.M.; Bouř, P.; Wu, T.; Osifová, Z.; Nachtigallová, D.; Dračínský, M.; Hobza, P. The Stability of Hydrogen-Bonded Ion-Pair Complex Unexpectedly Increases with Increasing Solvent Polarity. Angewandte Chemie - International Edition 2024, , e202403218. https://doi.org/10.1002/anie.202403218 |
| Pavel Hobza | Lamanec, M.; Civiš, S.; Hobza, P. On the similar spectral manifestations of protonic and hydridic hydrogen bonds despite their different origin. Communications Chemistry 2024, 7, 254. https://doi.org/10.1038/s42004-024-01334-9 |
| Pavel Jungwirth | Nemirovich, T.; Young, B.; Březina, K.; Mason, P.E.; Seidel, R.; Stemer, D.; Winter, B.; Jungwirth, P.; Bradforth, S.; Schewe, H.C. Stability and Reactivity of Aromatic Radical Anions in Solution with Relevance to Birch Reduction. Journal of the American Chemical Society 2024, 146, 8043-8057. https://doi.org/10.1021/jacs.3c11655 |

# Updates on grants

# GA ČR Grants

GAČR
GRANTOVÁ AGENTURA ČESKÉ REPUBLIKY

Standard Projects | International Projects | POSTDOC INDIVIDUAL FELLOWSHIP | Restart Grants | JUNIOR STAR

**Calls for proposals 2026 are open**

- Standard projects
- International projects - bilateral and Lead Agency
- Postdoctoral Individual Fellowship (incoming + outgoing)
- Restart grants (new)
- JUNIOR STAR projects (only to institutions outside IOCB)

Deadline for submission: 3 Apr 2025
Further details are available on the Intraweb (Calls and How to apply)
Please follow the IOCB internal deadlines

# GA ČR Grants

GAČR
GRANTOVÁ AGENTURA ČESKÉ REPUBLIKY

## IOCB internal deadlines:

- **Tue 25 Feb 2025:** inform us about your **intention to apply** and your choice of GAČR panel (projectoffice@uochb.cas.cz)
- **Tue 4 Mar 2025: budget** for checking
- **Tue 18 Mar 2025:** formal check of whole **proposal except part C1** (project description)
- **Thu 27 Mar 2025: formal check of part C1** (structure - mandatory items)
- **Mon 31 Mar 2025:** a final version of the project proposal **for submission**
- **Thu 3 Apr 2025:** GA ČR deadline

# National providers grant calls

**Applied Health Research Support Program – Call for the 2026–2029 projects**

IOCB deadline **Fri 14 March 2025**; AZV deadline: Fri 21 March 2025 12:00 CET

**MEYS: INTER-ACTION: Joint Czech Republic – Korea Bilateral Research Projects 2025–2028**

IOCB deadline **Tue 1 Apr 2025**; MEYS deadline: Mon 7 April 2025 23:59:59 CET

# Call for award nomination

Czech Academy of Sciences

**Otto Wichterle Award**

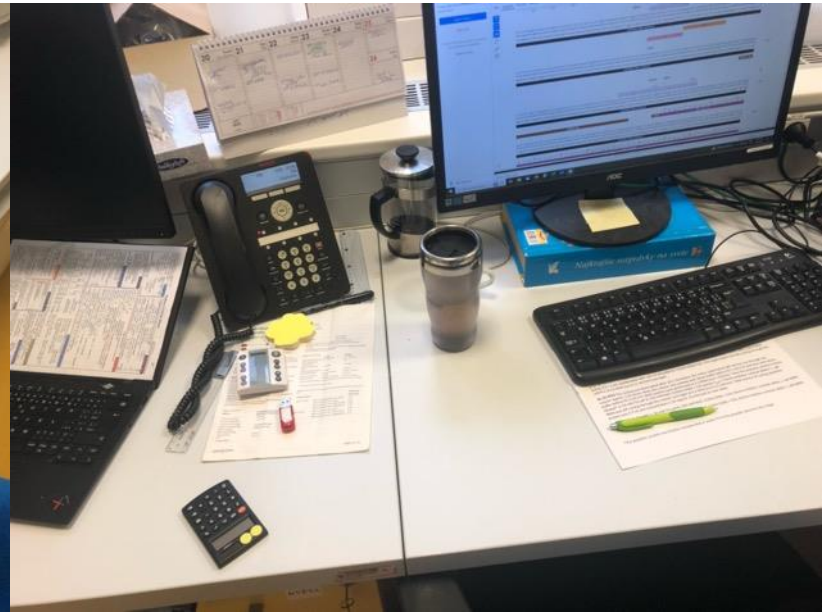
- for early career researchers up to the age of 35 years
- mandatory approval by IOCB Board (CAS regulation)
- application should include: nomination template, CV of the candidate and list of publications
- send your nomination by email to awards@uochb.cas.cz (new)
- more info on intraweb

**IOCB deadline: 15 March 2025**
Deadline: 31 March 2025

# Safety updates

# Safety Audit – Building C

## Eating and drinking in the lab



# Safety Audit – Building C


# Waste handling

- In the space where solvents are collected someone put a plastic bag full of silicagel and syringe needles.
- Is it really so difficult to handle it properly?

# Finance in IOCB

- When finishing Exceles and OP JAK, 185 mil. CZK disappears from our budget
- Initiated scouting how to get the US financing - NIH, private grants, leverage on cooperation with US institutions
- Use IOCB Boston as a base, hire an experienced person to help (process and accounting), discussing the rules
- Broader use of Horizon and other larger EU grants

# Updates from Research Support Department

# PhD projects - Call for Applications 2025


As far we have for 29 projects over 600 applications, mostly from India and Pakistan.

- Application deadline: **Monday, March 3**
- Selection deadline: **Monday, March 10** (only 7 days to shortlist the invited candidates)

# For PhD Students

- Course: Organic Chemistry Revisited
  - Prof. Pavel Kočovský, started Feb 25, **every Tuesday 4 pm, B 2.29**

- Mentoring program
  - the program has been launched
  - voluntary for students
  - applications via Intraweb under Research Support > PhD students tab

## Coming soon:

- Spreadsheet for interest in hosting a student in the IOCB Summer Student Program

# Research Data Management

1st Breakfast with Data Stewards took place on 20th February

- High volume of participants – thank you!
- Slides will be regularly added to the RDM section in the Research Support hub on intraweb
- Try to send a representative from your group to the next Breakfast to stay informed, we'd prefer to have no one left out.

Please support the endeavor of your chosen proactive data stewards.

- If you have any questions, contact Marie Šafner.

# Miscellanea

# Ministry of Finance Audit – ChemBioDrug Project (OP VVV)

Timeline

- **Tentative start: mid-March 2025**
- **On-site audit at IOCB: during April 2025**

Exact dates and schedule will be confirmed later.

Scope

- Primarily a financial audit
- Audited period: January–December 2022 (the final year of the project)

**Research Groups Involved**

- Birkus, Bouř, Bouřa, Cígler, Curtis, Cvačka, Hobza, Hocek, Jahn, Jiráček, Jungwirth (+ Lazar), Konvalinka, Mareš, Nencka, Pichová, Řezáčová, Stříšovský, Vondrášek, Weber

What We Need

- Collaboration regarding the verification of equipment purchased through the project
- Includes major instruments as well as smaller lab and IT devices

Responsible Person & Contact

- The audit is managed by Department of Project Administration
- opjak@uochb.cas.cz or blanka.hajna@uochb.cas.cz

More detailed information will be provided as soon as we receive it.
Thank you for your cooperation!

# Meetings with Lab Managers

- Initial meeting with Lab Managers is projected to be held on March 14th
- Lab Managers were nominated by Group Leaders
- The purpose of this meetings is to spread mainly administrative and technical topics
- The goal is to make GLs free of issues just indirectly connected with scientific activities

# Quinquennial Evaluations of CAS Institutes 2020-2024

## ➢ Completed Tasks

- ✓ Submitted evaluation groups list based on the organizational chart
- ✓ Ongoing confirmation of no conflict of interest for on-site evaluation committee experts
- ✓ Attended CAS evaluation seminar (16. 12. 2024) - presentations available
- ✓ Secured application access for administrators
- ✓ Started HR data compilation (employee lists and numbers)
- ✓ Average FTE calculations
- ✓ Annotations
- ✓ Mission
- ✓ Publication lists distributed
- ✓ Second CAS evaluation seminar (20. 2. 2025)

## ➢ **Phase 1: Current task until 7 March**

- Email sent on 18 February 2025
- Please check your quota (based on average FTE), select publications and fill in the table
- THAT IS THE END OF PHASE 1 FOR YOU

## ➢ **Phase 2: Starting in March/ending in June**

## ➢ **On-site evaluation: 3 days during September 22 - October 17, 2025**

# AI Workshop for Groupleaders

HR EXCELLENCE IN RESEARCH

- led by Dr. Michaela Liegertová
- a specialized 2–3-hour session focused on the latest developments in generative AI applications
- specifically designed for groupleaders
- Recording of the previous lecture “AI for Researchers” (11 Nov 2024) on intraweb: Signpost > Research Support > Trainings > Lectures (Recordings)
- winning date based on the poll: **4 April 2025 (morning)**

# IOCB Events 2025

| | |
|---|---|
| 5/3 | Invited Lecture – Prof. Henrik Ottosson (Uppsala University, Sweden): Excited State Aromaticity and Antiaromaticity: From Pitfalls to Scopes |
| 15/4 | Invited Lecture – Prof. Cristina Alberini (Center for Neural Science, New York University, USA): From bench to bedside: mechanisms of long-term memory inform the development of novel treatments for neurodevelopmental disorders and neurodegenerative diseases |
| 24/4 | Happy Hours |
| 28/4 | Women in Science career seminar (pm): Cecília Arraiano |
| 28–29/4 | mzmine Community Meeting |
| 29/4 | Dana Hocková lecture: Cecília Arraiano |
| 13/5 | Invited Lecture – Prof. Nicolai Cramer (École Polytechnique Fédérale de Lausanne, Switzerland): From [ ] to L* |
| 18–21/5 | 24th Interdisciplinary meeting of young scientists (Milovy) |
| 29/5 | IOCB Family Day |
| 5–7/6 | Science Fair |
| 26/6 | Happy Hours |
| 28/8 | Happy Hours |
| 23/9 | Happy Hours |
| 1/10 | Invited Lecture – Prof. Ülo Langel (Stockholm University, Sweden): Cell-penetrating peptides and oligonucleotide delivery |
| 18/11 | Invited Lecture – Prof. Jana Roithová (Radboud University, Nijmegen, Netherlands): Mass Spectrometry in Research of Chemical Reactions |
| 12/12 | IOCB Christmas Party |

# Mtgs with GLs – Schedule for 2025

- March 28
- April 25
- May 30
- June 20
- September 26
- October 24
- November 21
- December 19

# Thank you!