



ÚOCHB ^{AV}
IOCB PRAGUE

Meeting with Group Leaders

Pavlína Řezáčová | February 23, 2024

Agenda

- Most Significant Papers
- Project Office updates
- New Research Core Facility
- Students
- HR Award news
- Construction updates
- Safety updates
- Miscellanea

IOCB Most Significant Papers 2023

IOCB Most Significant Publications 2023

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

2023: 39 Nominations

- **PHYS** **10 submissions** [9 in 2022]
- **CHEM** **15 submissions** [10 in 2022] (*1 nomination published in 2024 was excluded*)
- **BIO** **14 submissions** [9 in 2022] (*2 nominations published in 2024 were excluded*)

Please check, whether all your submissions are included!

<https://uschovna.uochb.cas.cz/files/30/Y9mJeqAOZJq>

Nominations 2023 – PHYS

Group	Full Citation
Tomáš Slanina	Dunlop, D., Ludvíková, L., Banerjee, A., Ottosson, H., Slanina, T. Excited-State (Anti)Aromaticity Explains Why Azulene Disobeys Kasha's Rule. <i>Journal of the American Chemical Society</i> . 2023, 145(39), 21569-21575. https://doi.org/10.1021/jacs.3c07625
Pavel Jungwirth	Tempra, C., Cruces Chamorro, V., Jungwirth, P. Effects of Water Deuteration on Thermodynamic and Structural Properties of Proteins and Biomembranes. <i>Journal of Physical Chemistry B</i> . 2023, 127(5), 1138-1143. https://doi.org/10.1021/acs.jpcc.2c08270
Petr Cígler	Kropáček, J., Maslen, C., van Dijk, B., Iniguez-Rabago, A., Overvelde, J. T. B., Zubov, A., Vrba, J., Cígler, P., Štěpánek, F., Řehoř, I. Hydrogel Microrobots Self-Assembled into Ordered Structures with Programmable Actuation. <i>Advanced Intelligent Systems</i> . 2023, 5(9), 2300096. https://doi.org/10.1002/aisy.202300096
Pavel Hobza	Mallada Faes, B. J., Ondráček, M., Lamanec, M., Gallardo Caparrós, A. J., Jimenez-Martin, A., De La Torre Cerdeño, B., Hobza, P., Jelínek, P. Visualization of pi-hole in molecules by means of Kelvin probe force microscopy. <i>Nature Communications</i> . 2023, 14(1), 4954. https://doi.org/10.1038/s41467-023-40593-3
Petr Bouř	Yang, Q., Bloino, J., Šestáková, H., Šebestík, J., Kessler, J., Hudecová, J., Kapitán, J., Bouř, P. Combination of Resonance and Non-Resonance Chiral Raman Scattering in a Cobalt(III) Complex. <i>Angewandte Chemie - International Edition</i> . 2023, 62(45), e202312521. https://doi.org/10.1002/anie.202312521
Lubomír Rulíšek	Jaroš, A., Sasar, M., Tučková, L., Bonab, E. F., Badri, Z., Straka, M., Foroutan-Nejad, C. Spinristor: A Spin-Filtering Memristor. <i>Advanced Electronic Materials</i> . 2023, 9(8), 2300360. https://doi.org/10.1002/aelm.202300360
Lubomír Rulíšek	Kipouros, I., Stanczak, A., Dunietz, E. M., Ginsbach, J. W., Srnec, M., Rulíšek, L., Solomon, E. I. Experimental Evidence and Mechanistic Description of the Phenolic H-Transfer to the Cu2O2 Active Site of oxy-Tyrosinase. <i>Journal of the American Chemical Society</i> . 2023, 145(42), 22866-22870. https://doi.org/10.1021/jacs.3c07450
Ivo Starý	Houska, V., Ukraintsev, E., Vacek, J., Rybáček, J., Bednářová, L., Pohl, R., Stará, I. G., Rezek, B., Starý, I. Helicene-based π -conjugated macrocycles: their synthesis, properties, chirality and self-assembly into molecular stripes on a graphite surface. <i>Nanoscale</i> . 2023, 15(4), 1542-1553. https://doi.org/10.1039/d2nr04209f
Jiří Kaleta	Perego, J., Bezuidenhout, C. X., Bracco, S., Piva, S., Prando, G., Aloisi, C., Carretta, P., Kaleta, J., Le, T. P., Sozzani, P., Daolio, A., Comotti, A. Benchmark Dynamics of Dipolar Molecular Rotors in Fluorinated Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> . 2023, 62(5), e202215893. https://doi.org/10.1002/anie.202215893
Jiří Kaleta	Lončarić, D., Movahedifar, F., Štoček, J. R., Dračinský, M., Cvačka, J., Guan, S., Bythell, B. J., Císařová, I., Masson, E., Kaleta, J. Solvent-controlled formation of alkali and alkali-earth-secured cucurbituril/guest trimers. <i>Chemical Science</i> . 2023, 14(35), 9258-9266, d3sc02032k. https://doi.org/10.1039/d3sc02032k

Nominations 2023 – CHEM

Group	Full Citation
Tomáš Slanina	Žurauskas, J., Boháčová, S., Wu, S., Butera, V., Schmid, S., Domanski, M., Slanina, T., Barham, J. P. Electron-Poor Acridones and Acridiniums as Super Photooxidants in Molecular Photoelectrochemistry by Unusual Mechanisms. <i>Angewandte Chemie - International Edition</i> . 2023, 62(44), e202307550.
Zlatko Janeba	Škácel, J., Djukic, S., Baszczyński, O., Kalčic, F., Bílek, T., Chalupský, K., Kozák, J., Dvořáková, A., Tloušťová, E., Král'ová, Z., Šmídková, M., Voldřich, J., Rumlová, M., Pachel, P., Brynda, J., Vučková, T., Fábry, M., Snášel, J., Pichová, I., Rezáčová, P., Mertlíková-Kaiserová, H., Janeba, Z. Design, Synthesis, Biological Evaluation, and Crystallographic Study of Novel Purine Nucleoside Phosphorylase Inhibitors. <i>Journal of Medicinal Chemistry</i> . 2023, 66(10), 6652-6681. https://doi.org/10.1021/acs.jmedchem.2c02097
Petr Beier	Motornov, V., Klepetářová, B., Beier, P. Cu(III) Trifluoromethyl Complexes with 1,3-Diketonate Ligands and Their Versatile Reactivity in C–H Trifluoromethylation. <i>Advanced Synthesis & Catalysis</i> . 2023, 365(17), 2858-2864. https://doi.org/10.1002/adsc.202300695
Tomáš Pluskal	Schmid, R., Heuckeroth, S., Korf, A., Smirnov, A., Myers, O., Dyrland, T. S., Bushuiev, R., Murray, K. J., Hoffmann, N., Lu, M., Sarvepalli, A., Zhang, Z., Fleischauer, M., Dührkop, K., Wesner, M., Hoogstra, S. J., Rudt, E., Mokshyna, O., Brungs, C., Ponomarev, K., Mutabdzija, L., Damiani, T., Pudney, C. J., Earll, M., Helmer, P. O., Fallon, T. R., Schulze, T., Rivas-Ubach, A., Bilbao, A., Richter, H., Pluskal, T. Integrative analysis of multimodal mass spectrometry data in MZmine 3. <i>Nature Biotechnology</i> . 2023, 41(4), 447-449. https://doi.org/10.1038/s41587-023-01690-2
Milan Vrábel	Šlachťová, V., Bellová, S., La-Venia, A., Galeta, J., Dračínský, M., Chalupský, K., Dvořáková, A., Mertlíková-Kaiserová, H., Rukovanský, P., Dzajak, R., Vrábel, M. Triazinium Ligation: Bioorthogonal Reaction of N1-Alkyl 1,2,4-Triazinium Salts. <i>Angewandte Chemie - International Edition</i> . 2023, 62(36), e202306828. https://doi.org/10.1002/anie.202306828
Pavel Hobza	Civiš, S., Lamanec, M., Špirko, V., Kubišta, J., Špetko, M., Hobza, P. Hydrogen Bonding with Hydridic Hydrogen—Experimental Low-Temperature IR and Computational Study: Is a Revised Definition of Hydrogen Bonding Appropriate? <i>Journal of the American Chemical Society</i> . 2023, 145(15), 8550-8559. https://doi.org/10.1021/jacs.3c00802
Eva Kudová	Abramová, V., Leal Alvarado, V., Hill, M., Smejkalová, T., Malý, M., Valeš, K., Dittert, I., Božíková, P., Kysilov, B., Hrčka Krausová, B., Vyklický, V., Balík, A., Fili, K., Kořínek, M., Choudounská, H., Kudová, E., Číž, D., Martinovič, J., Černý, J., Bartůňek, P., Vyklický, M., L. Effects of Pregnanolone Glutamate and Its Metabolites on GABAA and NMDA Receptors and Zebrafish Behavior. <i>ACS Chemical Neuroscience</i> . 2023, 14(10), 1870-1883. https://doi.org/10.1021/acschemneuro.3c00131
Zlatko Janeba	Prener, L., Baszczyński, O., Kaiser, M. M., Dračínský, M., Stepan, G., Lee, Y. J., Brumshtein, B., Yu, H., Jansa, P., Lansdon, E. B., Janeba, Z. Design and Synthesis of Novel HIV-1 NNRTIs with Bicyclic Cores and with Improved Physicochemical Properties. <i>Journal of Medicinal Chemistry</i> . 2023, 66(3), 1761-1777. https://doi.org/10.1021/acs.jmedchem.2c01574
Michal Hocek	Brunderová, M., Krömer, M., Vlčková, M., Hocek, M. Chloroacetamide-Modified Nucleotide and RNA for Bioconjugations and Cross-Linking with RNA-Binding Proteins. <i>Angewandte Chemie - International Edition</i> . 2023, 62(7), e202213764. ISSN 1433-7851. https://doi.org/10.1002/anie.202213764
Michal Hocek	Kuprikova, N., Ondruš, M., Bednářová, L., Riopedre Fernández, M., Poštová Slavětínská, L., Sýkorová, V., Hocek, M. Superanionic DNA: enzymatic synthesis of hypermodified DNA bearing four different anionic substituents at all four nucleobases. <i>Nucleic Acids Research</i> . 2023, 51(21), 11428-11438. https://doi.org/10.1093/nar/gkad893
Josef Michl	Kaleta, J., Dudič, M., Ludvíková, L., Liška, A., Zaykov, A., Rončević, I., Mašát, M., Bednářová, L., Dron, P. I., Teat, S. J., Michl, J. Phenyl-Substituted Cibalackrot Derivatives: Synthesis, Structure, and Solution Photophysics. <i>Journal of Organic Chemistry</i> . 2023, 88(11), 6573-6587. https://doi.org/10.1021/acs.joc.2c02706
Josef Michl	Magnera, T. F., Dron, P. I., Bozzzone, J. P., Jovanovic, M., Rončević, I., Tortorici, E., Bu, W., Miller, E. M., Rogers, C. T., Michl, J. Porphene and porphite as porphyrin analogs of graphene and graphite. <i>Nature Communications</i> . 2023, 14(1), 6308. https://doi.org/10.1038/s41467-023-41461-w
Martin Dračínský	Socha, O., Osifová, Z., Dračínský, M. NMR-Challenge.com: An Interactive Website with Exercises in Solving Structures from NMR Spectra. <i>Journal of Chemical Education</i> . 2023, 100(2), 962-968. https://doi.org/10.1021/acs.jchemed.2c01067
Jiří Kaleta	Severa, L., Santos Hurtado, C., Rončević, I., Mašát, M., Bastien, G., Štoček, J. R., Dračínský, M., Houska, V., Kaletová, E., Garza, D. J., Císařová, I., Cimatu, K. L. A., Bastl, Z., Kaleta, J. Regular Arrays of Rod-Shaped Molecular Photoswitches: Synthesis, Preparation, Characterization, and Selective Photoswitching within Mono- and Bilayer Systems. <i>Chemistry - A European Journal</i> . 2024, 30(4), e202302828. https://doi.org/10.1002/chem.202302828
Ullrich Jahn	Klychnikov, M., Pohl, R., Císařová, I., Hájek, M., Jahn, U. Concise Total Syntheses of (+)-Brefeldin A, Diastereomers and Analogs and Their Biological Activity. <i>ChemistryEurope</i> . 2023, 1(2), e202300030. https://doi.org/10.1002/ceur.202300030
Radim Nencka	Mejdrová, I., Dušek, J., Škach, K., Štefela, A., Škoda, J., Chalupský, K., Dohnalová, K., Pavková, I., Kronenberger, T., Rashidian, A., Smutná, L., Duchoslav, V., Smutný, T., Pávek, P., Nencka, R. Discovery of Novel Human Constitutive Androstane Receptor Agonists with the Imidazo[1,2-a]pyridine Structure. <i>Journal of Medicinal Chemistry</i> . 2023, 66(4), 2422-2456. https://doi.org/10.1021/acs.jmedchem.2c01140

Nominations 2023 – BIO

Group	Full Citation
Jiří Jiráček	Potalitsyn, P., Mrázková, L., Selicharová, I., Tencerová, M., Ferenčáková, M., Chrudinová, M., Turnovská, T., Brzozowski, A. M., Marek, A., Kaminský, J., Jiráček, J., Žáková, L. Non-glycosylated IGF2 prohormones are more mitogenic than native IGF2. <i>Communications Biology</i> . 2023, 6, 863. https://doi.org/10.1038/s42003-023-05239-6
Pavína Řezáčová	Koutná, E., Lux, V., Kouba, T., Škerlová, J., Nováček, J., Srb, P., Hexnerová, R., Šváchová, H., Kukačka, Z., Novák, P., Fábry, M., Poepsel, S., Veverka, V. Multivalency of nucleosome recognition by LEDGF. <i>Nucleic Acids Research</i> . 2023, 51(18), 10011-10025. https://doi.org/10.1093/nar/gkad674
Tomáš Slanina	Wohlrábová, L., Okoročenkova, J., Palao, E., Kužmová, E., Chalupský, K., Klán, P., Slanina, T. Sulfonothioated meso-Methyl BODIPY Shows Enhanced Uncaging Efficiency and Releases H ₂ Sn. <i>Organic Letters</i> . 2023, 25(36), 6705-6709. https://doi.org/10.1021/acs.orglett.3c02511
Evžen Bouřa	Šilhán, J., Klíma, M., Otava, T., Škvára, P., Chalupská, D., Chalupský, K., Kozic, J., Nencka, R., Bouřa, E. Discovery and structural characterization of monkeypox virus methyltransferase VP39 inhibitors reveal similarities to SARS-CoV-2 nsp14 methyltransferase. <i>Nature Communications</i> . 2023, 14(1), 2259. https://doi.org/10.1038/s41467-023-38019-1
Lenka Maletínská	Freitas-Lima, L. C., Pačesová, A., Staňurová, J., Šácha, P., Marek, A., Hubálek, M., Kuneš, J., Železná, B., Maletínská, L. GPR160 is not a receptor of anorexigenic cocaine- and amphetamine-regulated transcript peptide. <i>European Journal of Pharmacology</i> . 2023, 949(June), 175713. https://doi.org/10.1016/j.ejphar.2023.175713
Tomáš Pluskal	Kouba, P., Kohout, P., Haddadi, F., Bushuiev, A., Samusevich, R., Sedlář, J., Damborský, J., Pluskal, T., Sivič, J., Mazurenko, S. Machine Learning-Guided Protein Engineering. <i>ACS Catalysis</i> . 2023, 13(21), 13863-13895. https://doi.org/10.1021/acscatal.3c02743
Pavel Jungwirth	Ticháček, O., Mistrík, P., Jungwirth, P. From the outer ear to the nerve: A complete computer model of the peripheral auditory system. <i>Hearing Research</i> . 2023, 440(December), 108900. https://doi.org/10.1016/j.heares.2023.108900
Petr Cígler	Majer, J., Kindermann, M., Pinkas, D., Chvátíl, D., Cígler, P., Libusová, L. Cellular uptake and fate of cationic polymer-coated nanodiamonds delivering siRNA: a mechanistic study. <i>Nanoscale</i> , 2024 , 16, 2490-2503. https://doi.org/10.1039/D3NR05738K
Eva Kudová	Solntseva, E. I., Bukanova, J. V., Kondratenko, R., Kudová, E. Corticosteroids as Selective and Effective Modulators of Glycine Receptors. <i>ACS Chemical Neuroscience</i> . 2023, 14(17), 3132-3142. ISSN 1948-7193. E-ISSN 1948-7193. https://doi.org/10.1021/acscchemneuro.3c00287
Michal Hocek	Kuba, M., Khoroshyy, P., Lepšík, M., Kužmová, E., Kodr, D., Kraus, T., Hocek, M. Real-time Imaging of Nascent DNA in Live Cells by Monitoring the Fluorescence Lifetime of DNA-Incorporated Thiazole Orange-Modified Nucleotides. <i>Angewandte Chemie - International Edition</i> . 2023, 62(38), e202307548. https://doi.org/10.1002/anie.202307548
Michael Mareš	Buša, M., Matoušková, Z., Bartošová-Sojková, P., Pachl, P., Řezáčová, P., Eichenberger, R. M., Deplazes, P., Horn, M., Štefanić, S., Mareš, M. An evolutionary molecular adaptation of an unusual stefin from the liver fluke <i>Fasciola hepatica</i> redefines the cystatin superfamily. <i>Journal of Biological Chemistry</i> . 2023, 299(3), 102970. https://doi.org/10.1016/j.jbc.2023.102970
Michael Mareš	Martins, L. A., Buša, M., Chlastáková, A., Kotál, J., Beránková, Z., Stergiou, N., Jmel, M. A., Schmitt, E., Chmelař, J., Mareš, M., Kotsyfakis, M. Protease-bound structure of Ricistatin provides insights into the mechanism of action of tick salivary cystatins in the vertebrate host. <i>Cellular and Molecular Life Sciences</i> . 2023, 80(11), 339. https://doi.org/10.1007/s00018-023-04993-4
Sebastian Zoll	Sülzen, H., Began, J., Dhillon, A., Kereiche, S., Pompach, P., Votrubová, J., Zahedifard, F., Šubrtová, A., Šafner, M., Hubálek, M., Thompson, M., Zoltner, M., Zoll, S. Cryo-EM structures of <i>Trypanosoma brucei</i> gambiense ISG65 with human complement C3 and C3b and their roles in alternative pathway restriction. <i>Nature Communications</i> . 2023, 14(1), 2403. https://doi.org/10.1038/s41467-023-37988-7
Robert Hanus	Macháček, S., Tupec, M., Horáček, N., Halmová, M., Roy, A., Machara, A., Kyjaková, P., Lukšan, O., Pichová, I., Hanus, R. Evolution of Linoleic Acid Biosynthesis Paved the Way for Ecological Success of Termites. <i>Molecular Biology and Evolution</i> . 2023, 40(4), msad087. https://doi.org/10.1093/molbev/msad087
Radim Nencka	Inniss, N. L., Kozic, J., Li, F., Rosas-Lemus, M., Minasov, G., Rybáček, J., Zhu, Y., Pohl, R., Shuvalova, L., Rulíšek, L., Brunzelle, J. S., Bednářová, L., Štefek, M., Kormaník, J. M., Andris, E., Šebestík, J., Li, A. S. M., Brown, P. J., Schmitz, U., Saikatendu, K., Chang, E., Nencka, R., Vedadi, M., Satchell, K. J. F. Discovery of a Druggable, Cryptic Pocket in SARS-CoV-2 nsp16 Using Allosteric Inhibitors. <i>ACS Infectious Diseases</i> . 2023, 9(10), 1918-1931. https://doi.org/10.1021/acsinfecdis.3c00203
Hana 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. <i>Angewandte Chemie - International Edition</i> 2024 , 63, e202314951. https://doi.org/10.1002/anie.202314951

Project Office updates

GA ČR Calls for proposals 2025 are open

EX|PRO

JUNIOR
STAR 

Standard
Projects 

POSTDOC
INDIVIDUAL FELLOWSHIP 

International
Projects 

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

Deadline for submission: 3 Apr 2024 (straight after Easter)
Further details are available on the [Intraweb](#). (Calls and How to apply)
Please follow the IOCB internal deadlines!

GA ČR Calls for proposals 2025 are open

IOCB internal deadlines:

Thu 29 Feb 2024

- ✓ inform us about your **intention to apply** and your choice of evaluation panel
projectoffice@uochb.cas.cz

Thu 7 Mar 2024

- ✓ **budget** for checking

Thu 14 Mar 2024

- ✓ formal check of whole **proposal except part C1** (project description)

Mon 25 Mar 2024 8:00 AM

- ✓ **formal check of part C1** (structure - mandatory items)

Wed 3 Apr 2024

- ✓ GA ČR deadline

Call for nominations

Otto Wichterle Award



- **IOCB internal deadline: 15 March 2024**
- **CAS Deadline: 31 March 2024**
- for early career researchers up to the age of 35 years
- mandatory approval by IOCB Board (CAS regulation)
- send your application by email to the IOCB Board
- application should include: nomination template, CV of the candidate and list of publications
- more info on [intra web](#)
- inform us about your intention to apply at projectoffice@uochb.cas.cz

Call for nominations

Neuron Prizes



- **Deadline: 31 March 2024**
- **Prize for Talented Scientist:** for early career researchers up to 10 years from obtaining PhD
- **Neuron Prize:** for long-term contributions to (Czech) science
- **Prize for Connecting Science and Business:** for a successful transfer of a scientific result into the commercial realm

Alfred Bader Prize for Bioinorganic & Bioorganic Chemistry 2024



- for Czech researchers up to the age of 35 years

New Research Core Facility: Electron Microscopy

Transmission Electron Microscopy (TEM)

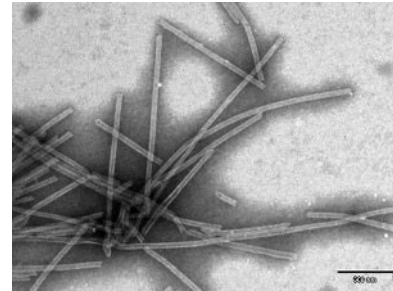
New Research Core Facility in Iva Pichová Group

The team has advanced expertise in cell and materials electron microscopy: sample preparation, surface imaging and high-resolution ultrastructure of samples, to analysis of the acquired data.

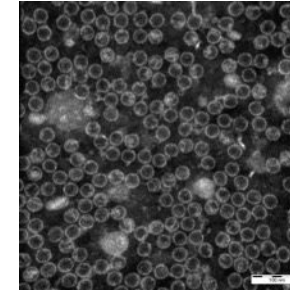
They can analyze:

- Proteins and macromolecular complexes
- Viruses, exosomes, liposomes
- Bacteria and yeast cells
- Molds and plants
- Adherent and suspension cells
- Tissues
- Organoids and small organisms
- Nanoparticles, materials

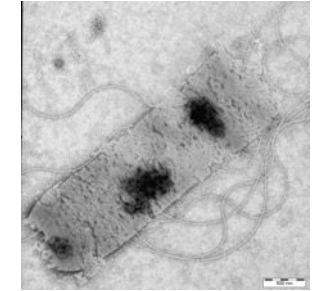
Negative staining



HIV CAC protein

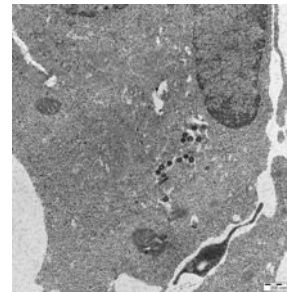


HBV core protein

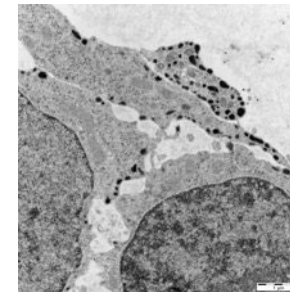


Bacillus subtilis treated with antimicrobial peptides

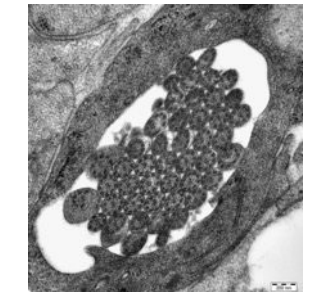
Ultra-thin sections



Assembled M-PMV particles
in HEK 293 cells



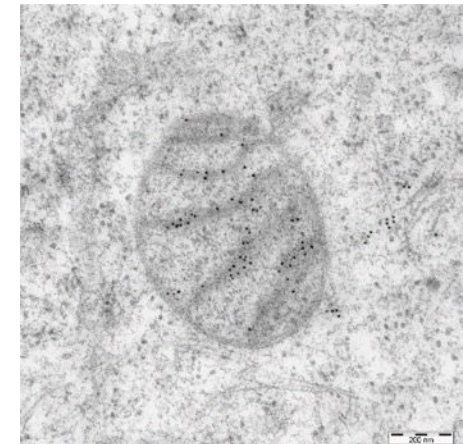
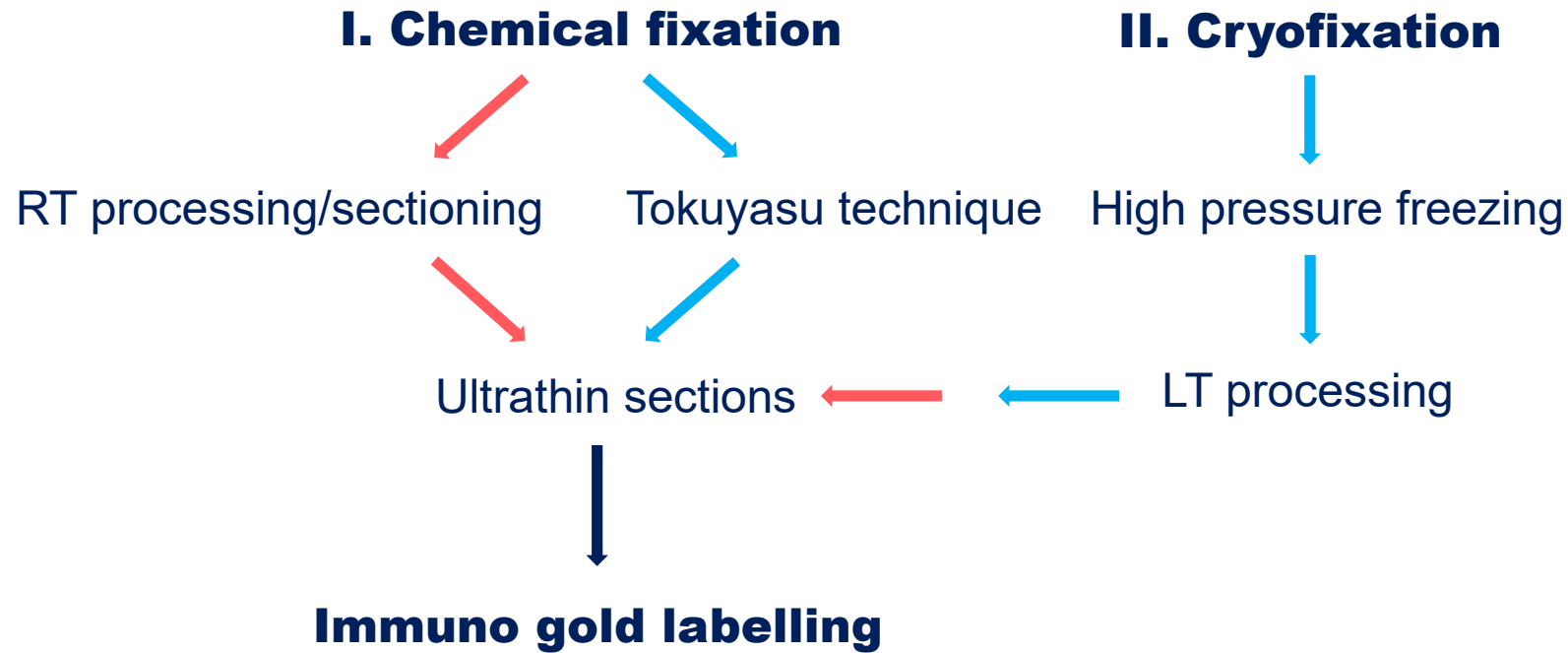
Pancreatic β - cells
INS-1E



Schistosoma mansoni

Transmission Electron Microscopy (TEM)

New Research Core Facility in Iva Pichová Group



Serine beta-lactamase-like protein (LACTB) in mitochondria of Mcf7 cells

Contact: romana.hadravova@uochb.cas.cz

Students

PhD projects - Call for Applications 2024

17



- So far we have about 100 applications, mostly from India and Pakistan.
- Application deadline: **Sunday, March 3**
- Selection deadline: **Friday, March 8** (only 5 days to shortlist the invited candidates)

HR Award news



HR EXCELLENCE IN RESEARCH

- **EC Consensus Report received on 4 January 2024**
- The outcome: **“HRS4R embedded, corrective actions needed:** The organisation is, for the most part, progressing with appropriate and quality actions as described in its Action Plan, but could benefit from alterations as advised through the Assessment process. There is some evidence that the HRS4R is further embedded.”
- Critical points: missing OTM-R policy (Recruitment), better impact monitoring of the action plan, more quantitative indicators etc.
- Next Internal Review deadline: **4 January 2027**

04
JAN
2024

HRS4R EMBEDDED, CORRECTIVE ACTIONS NEEDED
Action performed by: RTD Charter

Interim Assessment

Interim Assessment: EC Consensus Report

EC Consensus Report	Status	Date	EC	General Assessment
EC Consensus Report	Consensus validated by EC	04/01/2024	RTD Charter	HRS4R embedded, corrective actions needed

EC Consensus Outcomes ▾

04
JAN
2027

PENDING

Internal Review for Renewal Assessment: Design

Previous Assessment EC Consensus Outcome: HRS4R embedded, corrective actions needed

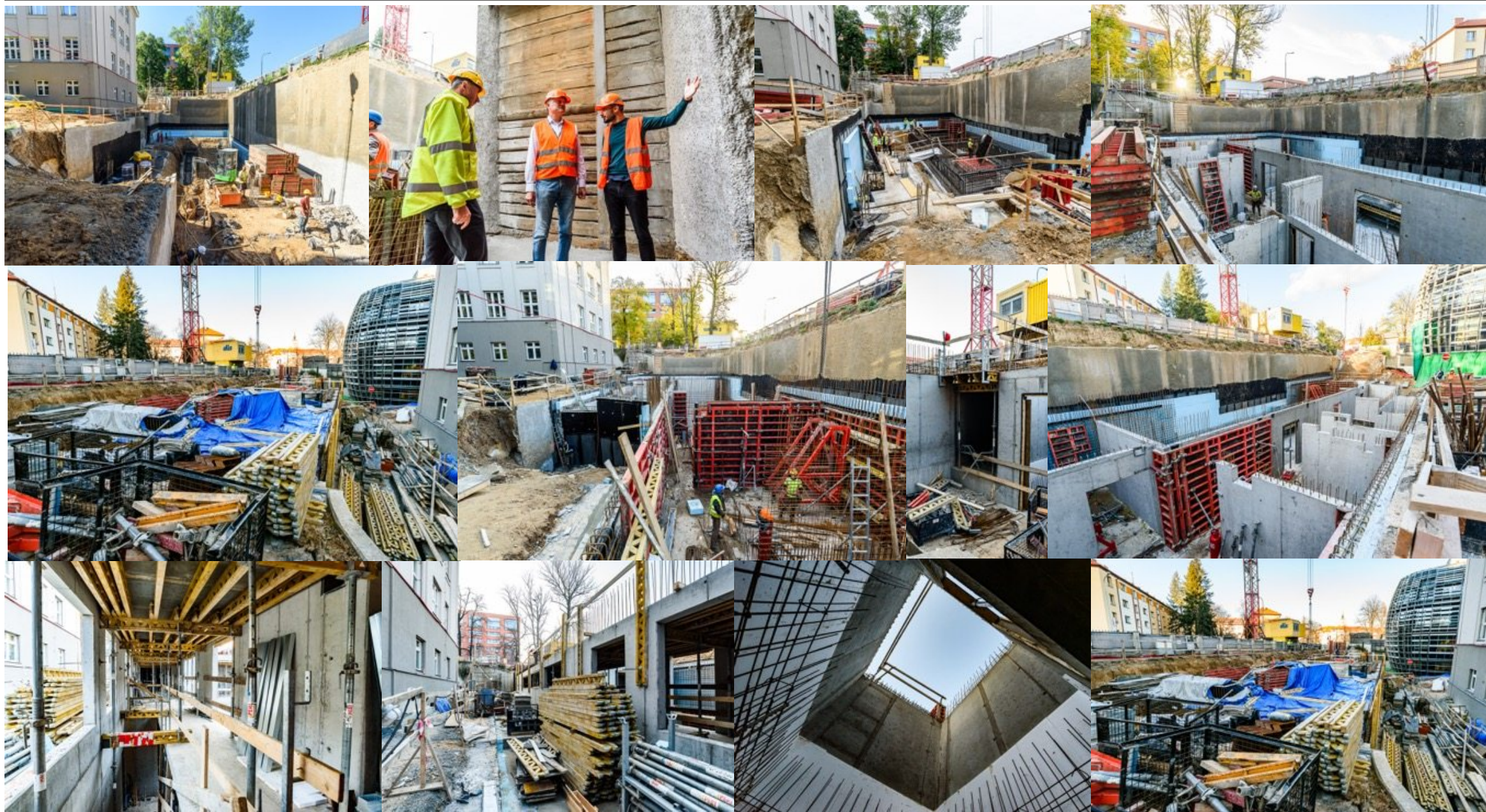
Document	Status	Submission Information
Internal Review	Pending	

Show Document Status Explanation ▾

Construction updates

Construction – Building K

- Rough construction already completed
- The installation of the inner technologies is now underway
- Completion date: autumn 2024

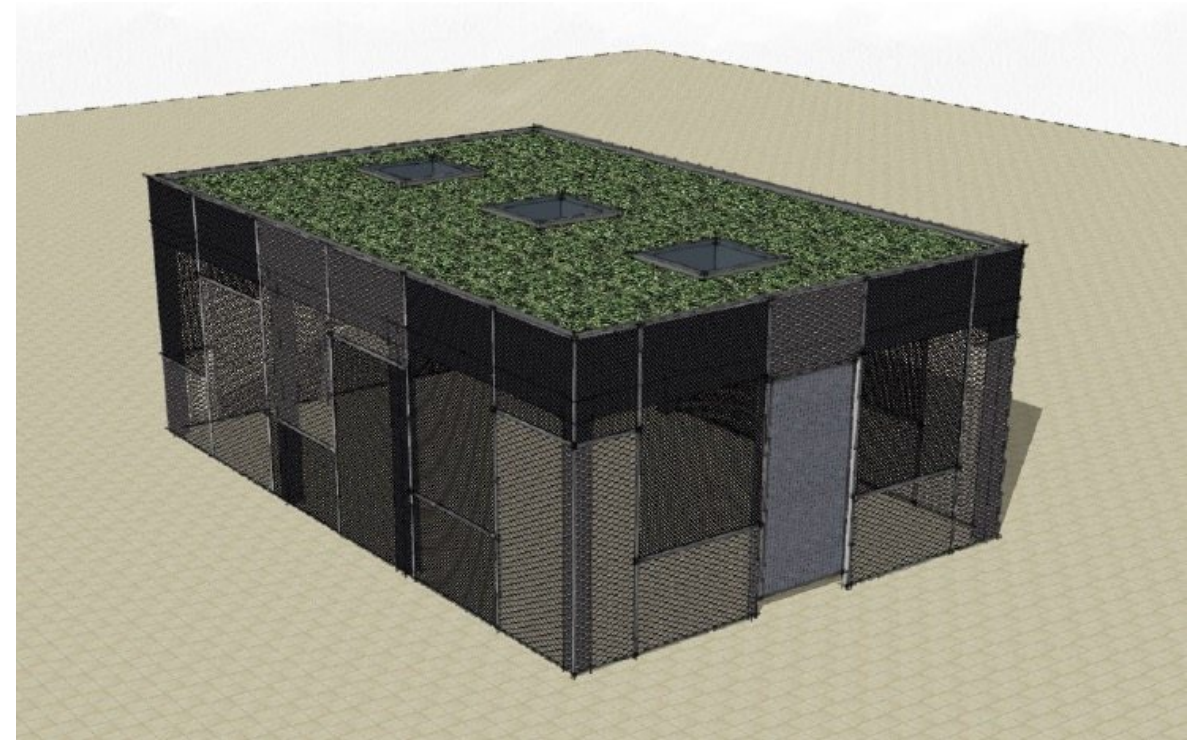


Bike shelter



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

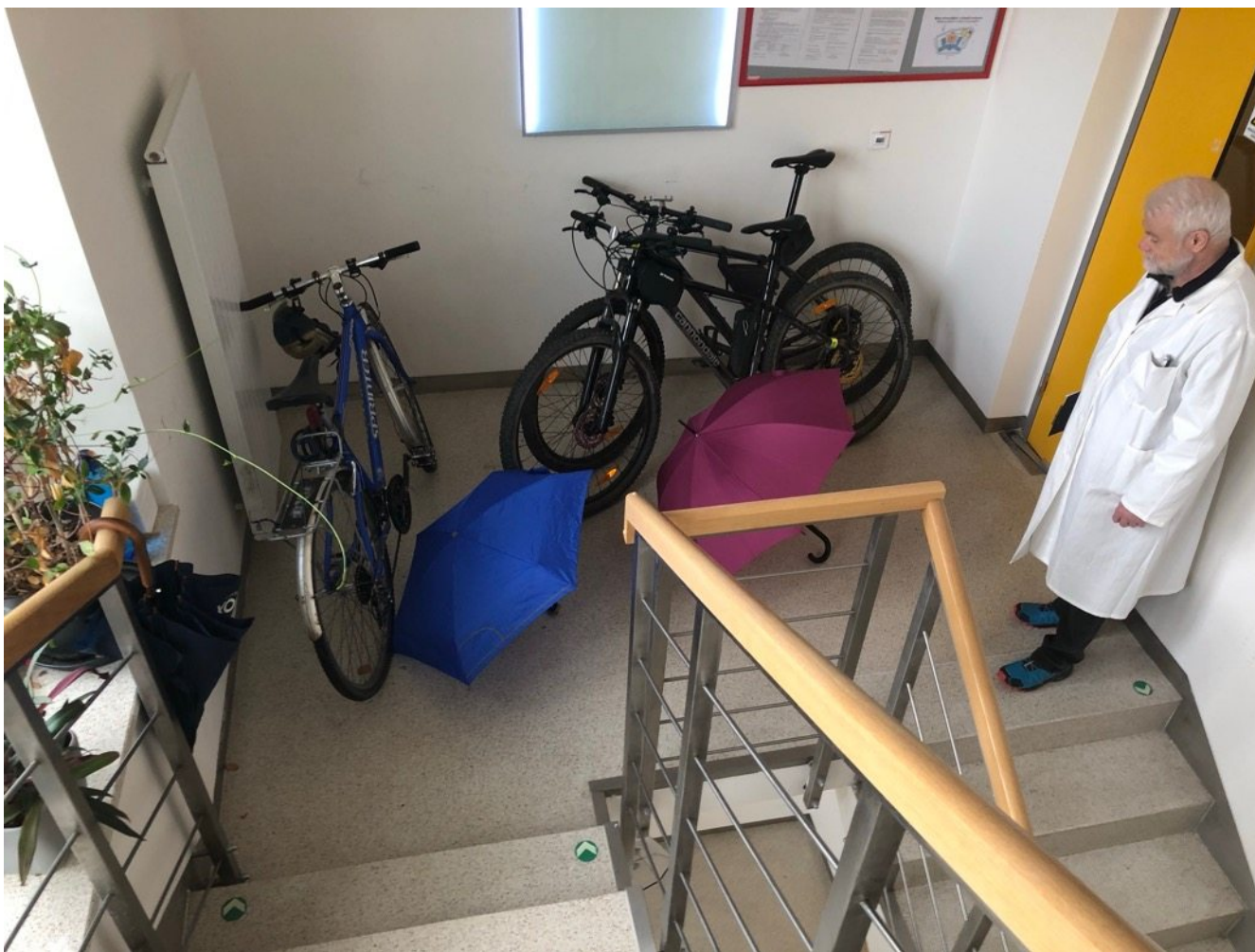
- Space for approx. 40 bikes
- Chargers for electric bikes
- Access with IOCB card



Safety updates

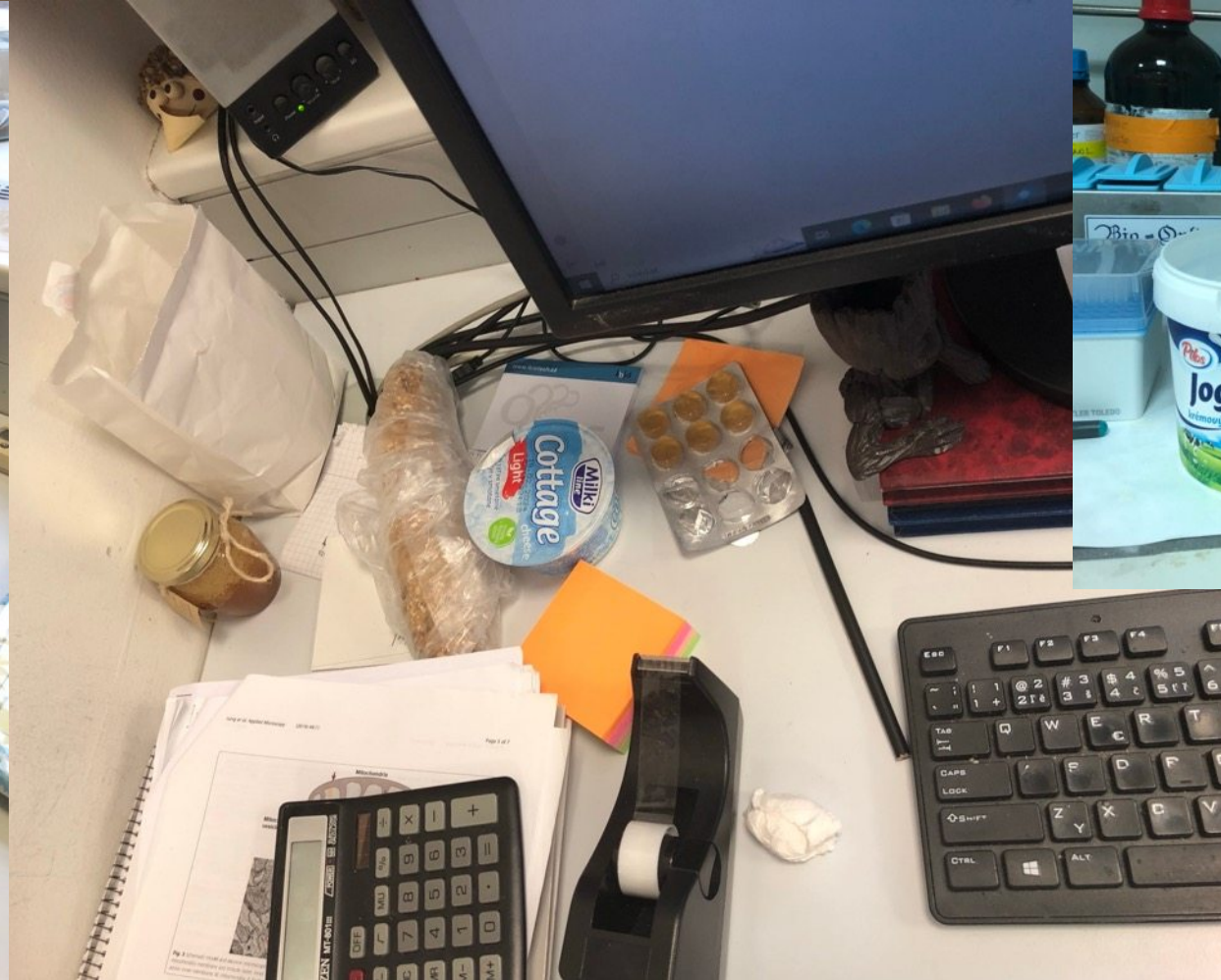
Safety updates – Building C

- Old classics – blocked evacuation routes



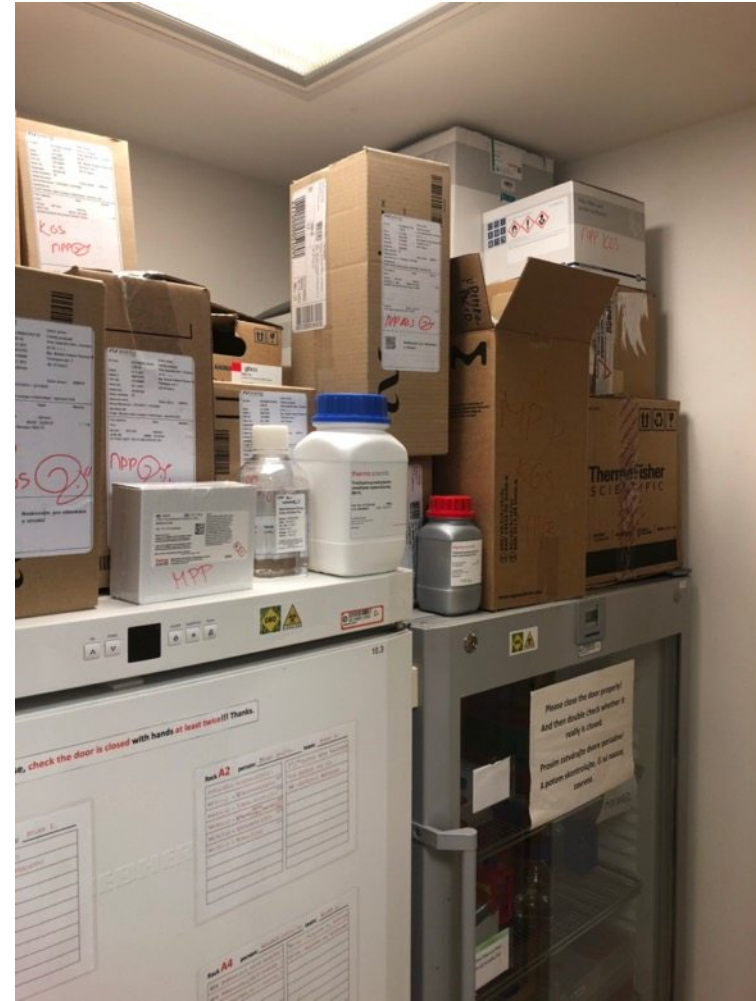
Safety updates – Building C

- Old classics – eating in the lab and using food containers



Safety updates – Building C

- Old classics – reffridgerators and paper boxes



Safety updates – Building C

- Old classics – Cold Room and its use



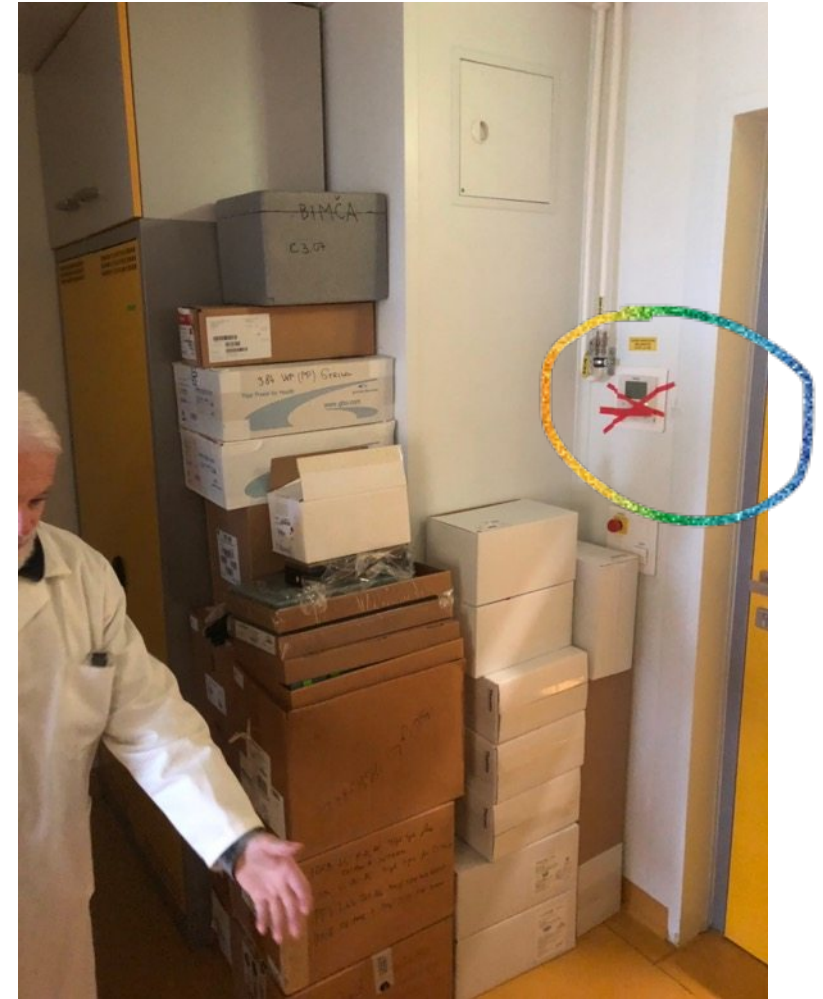
Safety updates – Building C

- And some new sins:



...running around in
GMO work clothing

...or fixing the equipment
with a duct tape



Safety updates – Building C

- Ajatin or Savo, but never both
- And to be sure, block the access



Firefighting Training

- In April, we will organise a firefighting practical training
- Capacity: 50 people
- Land next to the Development Center (Papírenská)
- Real fire extinguishing with fire extinguisher and fire blanket
- Please give priority to organic chemists
- Will be repeated in September and next year



Miscellanea

Planning a workshop? Amazing! Please do not forget:

Step 1: Fill in a form

(Documents > Forms > Other > *Request template for permission to organize a Professional event on the IOCB premises*)



Step 2:

Contact Economy Dpt.

- Budgeting and payments



Contact Technical Dpt.

- Operational measures
- Special requests
- Cleaning

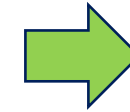


Contact ITS

- Entry control process
- AV equipment

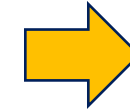


Step 3: Submit the signed form to the Director for final approval



Science

- On-site organization of the event
- Communication with speakers, etc.



Other tasks

- Reserve a venue
- Contact Michal Hoskovec (IOCB calendar, screens, Noticeboard)
- Contact Communications (event on IOCB website, promotion on social networks)

**Please refer to Internal Directive S2018-02*

Stella Gonsales Group: Introductory Talk



HR EXCELLENCE IN RESEARCH

- 12 March 2024 10 AM, IOCB Lecture Hall
- Introduction of Stella Gonsales Group – joint laboratory of UCT Prague and IOCB Prague
- **Speaker:** Stella de Almeida Gonsales
- **Topic:** Chemical Recycling of Plastic Waste and Sustainable Polymers
- If you are interested in joining a lunch after the lecture, please get in touch with Petra Ben-Ari (an e-mail invitation will follow)



GraphPad Prism

Academic group license types

permanent

- one-time payment, limited or no upgrades, **\$1600**

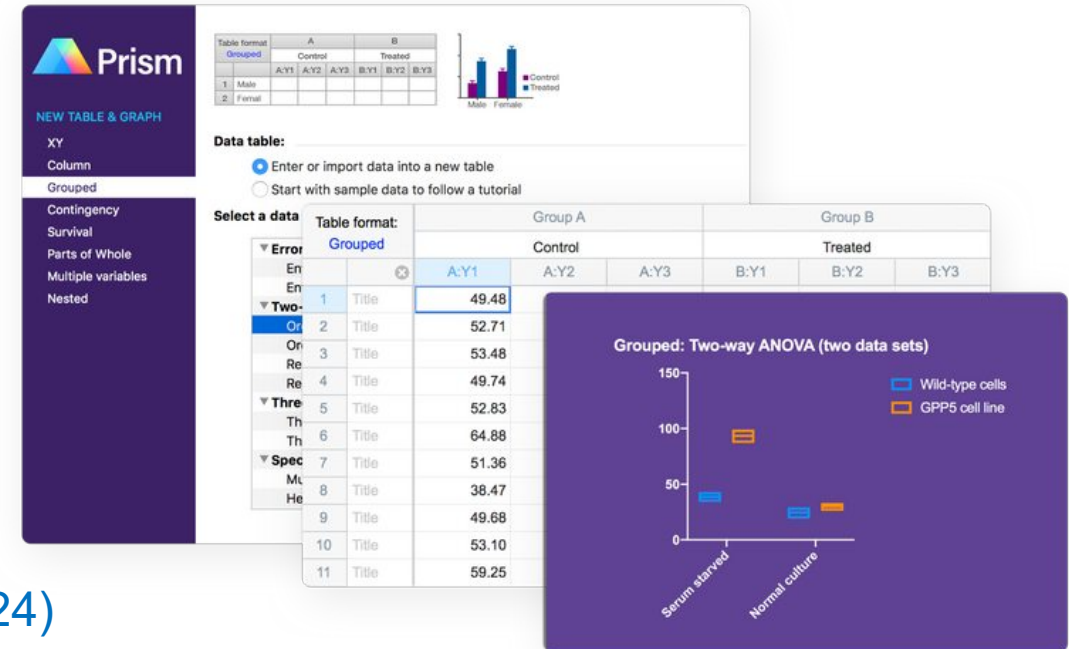
subscription / computer-based

- can be activated on a single computer (license key)
- unregistered computers cannot be re-registered
- \$230 (1) - \$170 (25+) - **\$130 (50+)** / license / year (2024)

subscription / user-based

- assigned to a named user identified/authenticated by an e-mail address
- can be activated on up to 2 computers (if used by the same person)
- \$240** / user / year, **no volume discount**

Questions/requests to jiri.polach@uochb.cas.cz.



Dana Hocková Lecture Series

- Morning lecture & Afternoon career workshop
- Maximum 3 per year
- Most suitable candidates: Female scientists with inspiring career path
- If you already invited a speaker who would be a good candidate for the career workshop, we can organize it
- Please use [nomination form](#) either for Dana Hocková lecture series, or for career workshop

Next one:

Dr. Hana Lísalová

7th March at 10 am and at 3 pm

▪ **Also planned:** Career workshops

- Darlene Solomon (Agilent, June 7 at 10 am)
- Marisa Kozlowski (Upenn, end of July).

Dana Hocková Lectures



Dr. Dana Hocková (1970–2021)

The Dana Hocková lecture series started in 2023 to commemorate Dr. Dana Hocková (1970–2021), who was an accomplished scientist and role model to others at IOCB Prague and beyond. Her untimely death in May 2021 left a huge gap in the hearts of many colleagues as well as in the world of science.

Dana was not just a brilliant scientist but also a great role model to junior researchers, showing her colleagues that it is possible to do great science and be a good parent at the same time.

Purchases from IOCB Store

Reminder:

- It is not allowed to buy goods from IOCB Store (e-shop) from VEJ.
- Marketed products are designated for public/private sale only.

IOCB Events 2024

1/3	IOCB General Assembly (NTK)
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
7/3	Career Workshop: Hana Lísalová – 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
16/4	Cross Campus & opening of Vektor Technická
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: From Pitfalls to Scopes
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

- March 22
- April 26
- May 24
- June 21

Thank you!