



ÚOCHB <sup>AV</sup>  
IOCB PRAGUE

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# Meeting with Group Leaders

Jan Konvalinka | October 24, 2023

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# Agenda

- Safety updates
- Research Data Management
- Equipment investments
- IOCB Retreat 2024
- Internal support scheme
- New project proposal system
  
- Miscellanea

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# Safety Updates

# Success - waste solvent sorting

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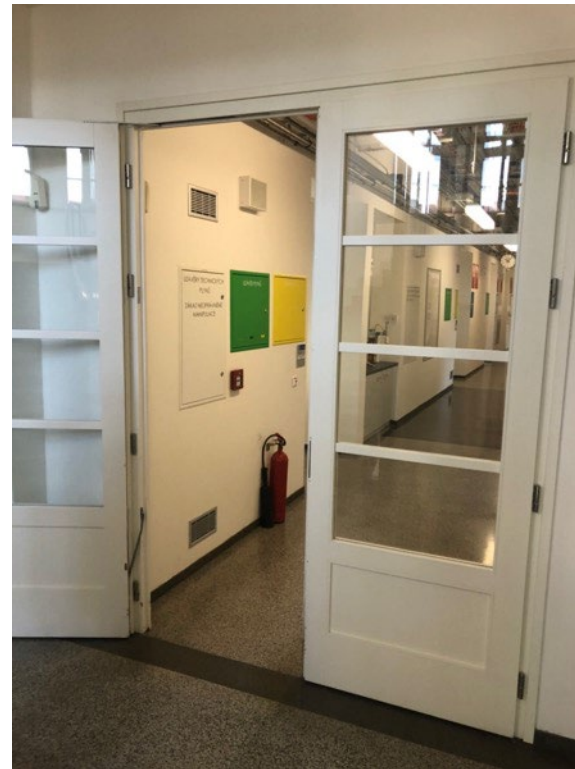
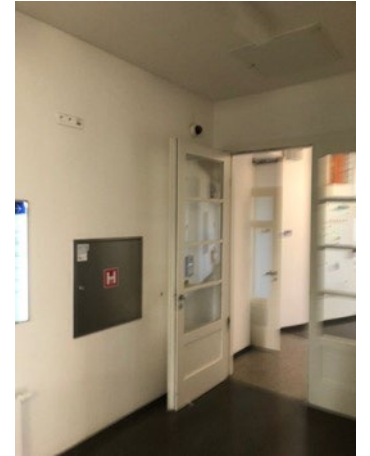




# Non-compliance

In case of fire, smoke exhaust and protection of staircases as escape routes would not work

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# IOCB Development Center

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Repair laboratory equipment  
Develop new equipment or auxiliaries  
Lot of possibilities

Adapters for vacuum  
evaporators



Ionex column packing  
- chromatography



Unusual parts for  
electrophoresis





## Electronic coolers



## Heating blocks



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# Research Data Management



# Research Data Management (RDM)

- **Research Data Management** belongs to the **HR Award priorities** (under the Ethical and Professional Aspects: principles 3. Professional responsibility, 4. Professional attitude, 6. Accountability, 7. Good practice in Research, 8. Dissemination, exploitation of results)
- **IOCB Code of Ethics:** Detailed Specifications for Archiving Primary Data and Laboratory Logbooks (Addendum 2)
- **Research Data Management Working Group** – established earlier this year, led by **prof. Jiří Vondrášek**.

**Members:** representatives of IT, CHEM, BIO and PHYS cluster

- **Data Steward Position** – recruitment process ongoing, the position shall be established by the end of 2023
- **Research Data Management Trainings:**
  - general RDM training - early 11/2023,
  - electronic laboratory notebooks training, Data Management Plan 11-12/2023



HR EXCELLENCE IN RESEARCH



# RDM Trainings (November 2023)

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HR EXCELLENCE IN RESEARCH



## Contact



Jeanne Wilbrandt

Data Steward

[jeanne.wilbrandt@leibniz-fli.de](mailto:jeanne.wilbrandt@leibniz-fli.de)

03641 65-6873

- organized by RDM working group (**Anna Strachotová**)
- two lecturers from Germany (ELIXIR cooperation):  
**Jeanne Wilbrandt** (Leibniz Institute on Aging)  
**Elena Rey-Mazón** (Leibniz Institute of Plant Genetics and Crop Plant Research)
- introduction of basic principles and best practices of RDM
- three series of workshops, diversified by target groups:  
**group leaders, scientific staff and admins**

## Dates:

<b>GLs</b>	<b>7 November 10-12</b>
scientific staff	8, 9, 10 November 10-15
admins	7 November 14-15

**Please participate! The chance to shape the future RDM strategy of IOCB is NOW!**

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# Equipment investments

# Equipment investments requests for 2024

- Please send your requests for instrument investments for 2024 to [investments@uochb.cas.cz](mailto:investments@uochb.cas.cz)
- The deadline for receipt of requests is **November 1, 2023**
- Investment request form can be found on IntraWeb
  - 1<sup>st</sup> sheet is to be filled in
  - 2<sup>nd</sup> sheet contains brief information regarding "Basic Laboratory Equipment".

Investment Request Form (assets exceeding 80 thousand CZK with VAT)	
To be completed by the user if the required information is available, or after consultation with budget administrator <a href="mailto:investments@uochb.cas.cz">investments@uochb.cas.cz</a>	
Instrument name	
Czech equivalent of the name (if necessary for clarity)	
Requisition type:	<input type="radio"/> purchase of a new instrument <input type="radio"/> technical improvement (inv. n. fill in next row) <input type="radio"/> SW
Inventory number (fill in case of technical improvement)	
Anticipated price in CZK without VAT	
VAT	21%
Anticipated price in CZK with VAT	0,00
Commodity category for purposes of the summarization of public tenders	<input type="checkbox"/> HPLC <input type="checkbox"/> cooling instruments <input type="checkbox"/> optics <input type="checkbox"/> other <input type="checkbox"/> FPLC <input type="checkbox"/> computing technology <input type="checkbox"/> centrifuges
CPV code ( <a href="http://www.cpvkody.cz/">http://www.cpvkody.cz/</a> - choose from categories starting 30, 33, 38, 42 or 48)	
Number of the room the instrument is to be installed in	
The right to use the room (in the case of variants 2 and 3, it is necessary to attach Appendix No. 3)	<input type="radio"/> 1. exclusively used by the presenting team <input type="radio"/> 2. exclusively used by other team <input type="radio"/> 3. shared
Other conditions for installation and cooperation of internal service centers (e.g. necessary building works, equipment, gas lines, electrical, etc.) Appendix No. 2	<input type="radio"/> no modifications are necessary <input type="radio"/> a description of the modifications is attached in Appendix No. 2
Contact person in matters relating to the technical specification (email)	
End user for purposes of implementing the instrument in the assets of the institute (email)	
Source of financing for the instrument for which the applicant is authorized (if the finances do not cover 100% of the procurement cost, list another presumable source and the percentage of the cost it would cover)	
Source of financing for repairs while the instrument is in use	
Team leader	
Number of appendices - at least 1 (technical specification)	
Appendix notes:	format as desired - pdf, xls, doc...
Appendix No. 1 - technical specification - mandatory appendix	Technical parameters to be appended to the tender documentation must not contain any names of specific products or any other references to a specific supplier or product
Appendix No. 2 - other conditions for installation	Attach if any modifications are needed (e.g. necessary building works, equipment, gas lines, electrical, etc.)
Appendix No. 3 - consent of the owner / users of the laboratory	Attach if the instrument will be located in a laboratory that is shared or in the exclusive use of another team



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# Valeč 2024

# IOCB Retreat in Valeč 27-31 May 2024

- Scientific program in the process of preparation
- Allocated time slots for presentations (incl. discussion):
  - 30 minutes: Senior Groups, Distinguished Chairs, Honorary Chair, Junior Groups
  - 25 minutes: Research Service Groups
  - 15 minutes: Distinguished Emeriti, Targeted Research Groups, Service Groups
  - 10 minutes: SWAT Teams
- Talks will be randomly mixed in the schedule
- The program will also include talk on tech transfer and invited lecture on scientific and publication integrity

## Monday

### Morning

Arrival

### Afternoon

Session 1  
Session 2

### Evening

Poster session 1

## Tuesday

### Morning

Session 3  
Session 4

### Afternoon

Session 5  
Session 6

### Evening

Poster session 2

## Wednesday

### Morning

Session 7  
Session 8

### Afternoon

Free time

### Evening

BBQ Dinner

## Thursday

### Morning

Session 9  
Session 10

### Afternoon

Session 11  
Session 12

### Evening

Social evening

## Friday

### Morning

Session 13  
Session 14

### Afternoon

Departure

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# IOCB Internal Support Schemes

# Intramural Support

**Aim:** to help in preparation for high risk/high gain projects - single/ multidisciplinary projects; innovative ideas, proof-of-principle data

- PI: group leader only
- Eligible costs: operational and personnel costs for team
- Duration: 1 year (max. 3 times)
- Deadlines: 1 October and 1 May
- Application template + budget
- Annual reporting (templates)
- Submission of a project proposal to external funder required

Details on intraweb: <https://intraweb.uochb.cas.cz/245.html>



**Aim:** Bridge funding gap due to a temporary loss of external funding

- PI: Group leader only
- Eligible costs: operational and personnel costs
- Deadlines: 15 Dec for GAČR grants / others on rolling basis
- Duration: max. 1 year
- Application: Justification letter, not-funded external project proposal & reviews, budget
- Final report required (template)
- Submission of a new proposal to external funder required

Details on intraweb: <https://intraweb.uochb.cas.cz/iocb-bridge-283.html>

**Aim:** to help young researchers in competition for GA ĆR grants  
(need for preliminary results, finish off publications)

- PI: early career researchers (with GL approval)
- Eligible costs: operational and personnel costs for PI and students
- Deadlines: 15 Dec for GAĆR grants / others on rolling basis
- Duration: max. 1 year (only 1 term)
- Application: Justification letter, project proposal & reviews, budget
- Final report required (template)
- Submission of a new proposal to external funder required

Details on intraweb: <https://intraweb.uochb.cas.cz/iocb-bridgey-554.html>

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# New Project Proposal Approval System

# New Project Proposal Approval System

Current: Paper form, difficulties with signing and delivering



New: Online form and approval process

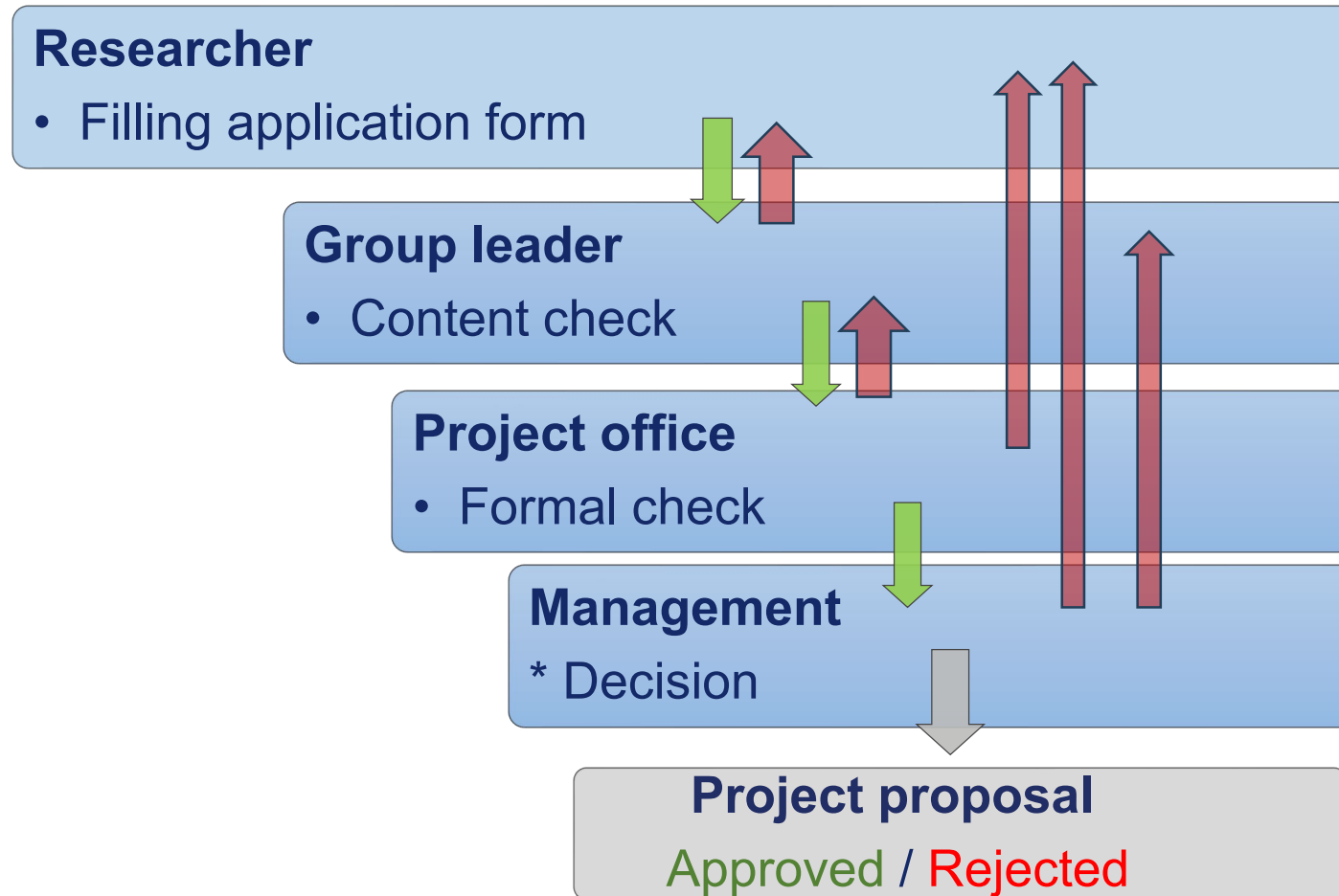
- Principles and procedure unchanged – more user friendly
- Two stages of form submission possible
  - S1: information about intent to submit proposal
  - S2: complete information about proposal
- You will receive notification and instruction by email
- Link to approval system will be available (Intraweb: Documents/Calls)

Project Office is prepared to help you!!!  
In case of any problem contact us!!!




# New Project Proposal Approval System

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# New Project Proposal Approval System

Link: <https://data.uochb.cas.cz/ProjectsOffice/Projects/Listdb>

 **ÚOCHB PRAHA**  
IOCB PRAGUE

Žádost o souhlas s podáním návrhu grantového projektu |  
Request for agreement with project proposal submission

I. Oznámení záměru podat návrh projektu | Notification of intention to submit a proposal

Hlavní navrhovatel/ka za ÚOCHB | Name of IOCB applicant

Jméno | Given Name(s) \*

Veronika

Příjmení | Surname \*

Palečková

E-mail \*

veronika.paleckova@uochb.cas.cz

Vedoucí skupiny | Group leader

Příjmení jméno | Surname Given Name(s) \*

Pracovní e-mail | IOCB email \*

Název poskytovatele grantu | Name of grant provider \*

Specifikace grantu (název vypsané výzvy) | Grant specification (Call title) \*

Odkaz na výzvu na ÚOCHB intrawebu nebo webu | Link to call on IOCB intraweb or provider www

Postoje ÚOCHB | IOCB role \*

Název/vypracování a jména spolunavrhovatele/ů (I/II) | Partner/s (applicant name and institution) (I/II)

Projekt | Project

Název | Title \*

Doba řešení | Duration

Od | Start: \*

Do | End: \*

II. Doplnění žádosti (rozpočet, abstrakt) | Further information (budget, abstract)

**Finance**

# Částka (uveďte i měnu) | Amount (including currency)

Předpokládané celkové náklady celého projektu | Total estimated costs of the project #

Předpokládaná výše dotace celého projektu | Total estimated subsidy (for entire project) #

Pro ÚOCHB | For IOCB

Předpokládané celkové náklady projektu pro ÚOCHB | Total estimated costs of the project (for IOCB) #

Z toho požadované finanční prostředky pro ÚOCHB (dotace) | Of which Total estimated subsidy (for IOCB) #

Z toho kofinancování ÚOCHB | Of which IOCB cofunding

Zdroj kofinancování (číslo úkolu) nebo "není" | Source of cofunding (internal code) or "N/A" \*

Účel kofinancování (např. mzda řešitele) nebo "není" | Purpose of cofunding (eg. PI salary) or "N/A" \*

Abstrakt projektu / Project abstract:

Doplňující komentář / Zdůvodnění požadované investice (popis, náklady) – pokud požadována | Additional commentary / Justification of the durable equipment requested (description, costs) – if required:



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# Miscellanea

# The Elegance of the Molecule 2023

**October 5-6, 2023**

7 colleagues from KU Leuven joined IOCB & Rega Institute for Medical Research scientific meeting organized by Zlatko Janeba

## The Elegance of the Molecule 2023

Joint symposium IOCB Prague – KU Leuven

### Program – Thursday 5 October

**Virology & Med Chem (9:00-12:00)**

**Graciela Andrei:**  
Need and challenges in the development of antiviral drugs against mpox virus and other poxviruses

**Petr Cígler:**  
Lipid nanoparticles for broad-spectrum nucleic acid delivery

**Adéla Novotná:**  
Structure based drug design targeting viral DNA polymerases

**Dirk Jochmans:**  
Targets and Tools for SARS-CoV-2 Antivirals

**Dirk Daelemans:**  
Discovery and functional characterisation of cellular host-factors for SARS-CoV-2 replication

**Edward A. Curtis:**  
Exploring the functional potential of nucleic acids using artificial evolution

**Med Chem – small molecules (13:45-15:00)**



**Steven De Jonghe:**  
The search for small molecule ligands for various chemokine G protein-coupled receptors

**Klára Grantz Šašková:**  
Small-molecule activators of NRF1 transcriptional activity prevent protein aggregation

**Michal Hocek:**  
Substituted and fused deazapurine nucleosides as cytostatics, antivirals and antiparasitics

*You are welcome to attend!*

# 5-6/10 2023

## The Elegance of the Molecule 2023

Joint symposium IOCB Prague – KU Leuven

### Program – Friday 6 October

**Chemical and synthetic biology & Med Chem (9:00-12:00)**

**Eveline Lescrinier:**  
Journey towards a Fully Modified Aptamer

**Hana Macíčková Cahová:**  
Non-canonical RNA caps - from their discovery to their role

**Kalyan Das:**  
How Cryo-EM structures illustrate step-by-step yeast mitochondrial transcription initiation

**Elisabetta Groaz:**  
Silencing the dark genome with antisense oligonucleotides for enhanced cancer therapies

**Michal Král:**  
Identification and characterization of polymerase inhibitors of L-protein of Rift Valley fever virus

**Eva Kudová:**  
Neurosteroids as novel modulators in bacterial infections – potential strategy against pathogens penetrating the central nervous system

**Med Chem – small molecules (13:45-14:50)**

**Gabriel Birkuš:**  
Novel cGAS inhibitors for the treatment of autoinflammatory diseases

**Zlatko Janeba:**  
Anti-inflammatory pyrimidines – MOA?

*You are welcome to attend!*

# 5-6/10 2023



# Gilead visit to IOCB



5 members of the current GSRC team joined the in person meeting in Prague  
**October 16-19, 2023**

Eric Lansdon - Executive Director, Structural Biology

Michael Mish - Director, Medicinal Chemistry

Meghan Holdorf - Sr. Director, Biology

Brandon Hynes - Collaboration Management

Adam Crum - Alliance Management

## Decisions made: 3 current projects running are prolonged for another 6 months

**Radek Pohl**      Inhibitors of therapeutically relevant galectins

**Radim Nencka**      Methyltransferase inhibitors for treatment of viral infections and cancer

**Gabriel Birkus**      Inhibitors of rhinovirus 3C protease for treatment of HRV induced pulmonary exacerbations

## 3 organized talks – 2 under the umbrella of WiS

Meghan Holdorf – “Targeting HBV Surface Antigen for HBV Cure”

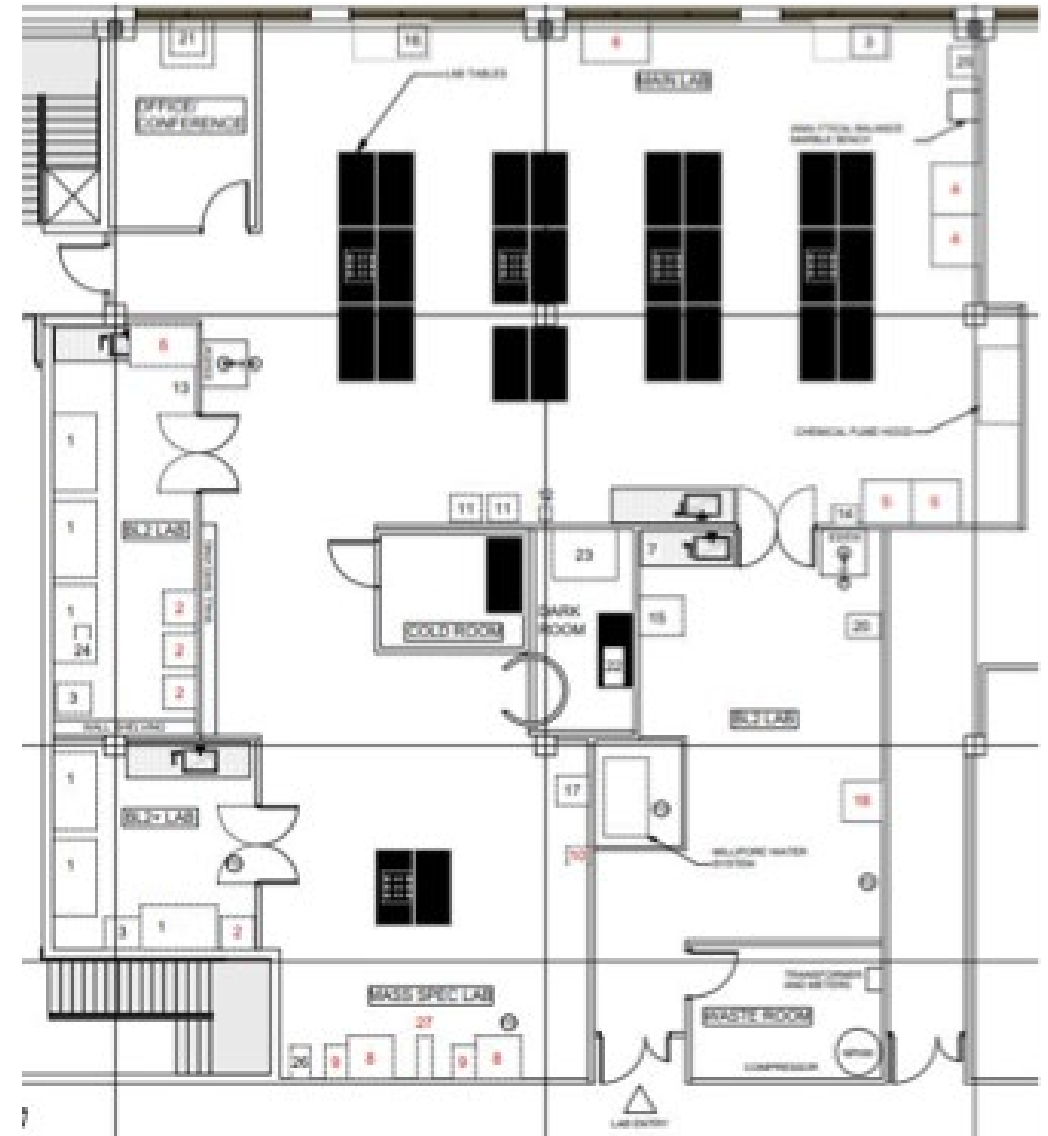
Michael Mish - “Gilead’s Continued Innovation for Antiviral Medicines”

Eric Lansdon – “Overview of Gilead Portfolio and Strategy”



# IOCB Boston - update

- Decision to open an IOCB Boston branch was part of strategy to increase IOCB visibility and presence in the international scientific community.
- Will be also representation of IOCB TEC-H to open the access to US investors and organizations supporting scientific research
- Boston was selected as a prime biotech hub in the US (Harvard, MIT, ect.)
- Found location in Cambridge (Mass.), prelim. rent agreement for lab location as of 1.Jan. 2024. (several labs, cold room etc.)
- David Sabatini and his group will be the first residents there, but in the mid to long term will be available for the other IOCB groups as well.
- Currently working on rental agreement, donation from Pershing Square Foundation and registering our presence in US.



# Jakub Nepraš – The Cell

National Gallery, Collection of Modern Art

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# IOCB Events 2023

- 1.–5. 11. Molecular Rotor Workshop 2023
- 6.–11. 11. Week of the CAS & IOCB Openhouse Days:
  - 6. 11. Scientific shorts
  - 7. 11. Experiments for public
  - 8. 11. Minisymposium 70 let ÚOCHB, incl. lecture by Martin Franc (in Czech)
  - 9. 11. Openhouse Day for schools
  - 10. 11. Openhouse Day for international Schools
  - 11. 11. Openhouse Day for public
- 7.–10. 11. Research Data Management Workshop
- 14.11. Invited Lecture Peter Schultz**
- 14.–15. 11. T2BA Consortium meeting
- 4.–5. 12. Dream Chemistry Award Finals
- 15. 12. Vánoční večírek

# IOCB Events 2024

- 25. – 26. 1. IOCB Group Leaders Retreat at Liblice
- 27.-31. 5. IOCB Retreat at Valeč
- 2. – 6. 9. Prague-Weizmann Summer School, Prague
- 18. – 20. 9. IAB on-site visit and evaluation

# Mtgs with GLs – Schedule

## 2023

- November 24
- December 15

## 2024

- January 26
- February 23
- March 22
- April 26
- May 24
- June 21

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# Thank you!