

15:30-16:30 Petr Dráber

Director's presentation + IMG Director's Awards for best publications in 2022

16:30-24:00 After conference party + discussions



Covid-19 – game changer



Long-term tradition at IMG (The whole Institute meetings):

December: Annual IMG Conference

Followed by after conference party

January: Welcoming the new year

Because of Covid-19 regulations in 2021 - 2022:

All activities in December 2021 and January 2022 were cancelled and postponed to May 26-27, 2022



Covid-19 – game changer



Based on the last year experience there might be a new tradition of the whole Institute meetings:

January: Welcoming the new year (summary of previous year and plans - focused on administration and services (CZ)

May: Annual IMG research conference
Followed by a meeting focused mostly on
research activities and achievements (EN)
and after conference party





Outline

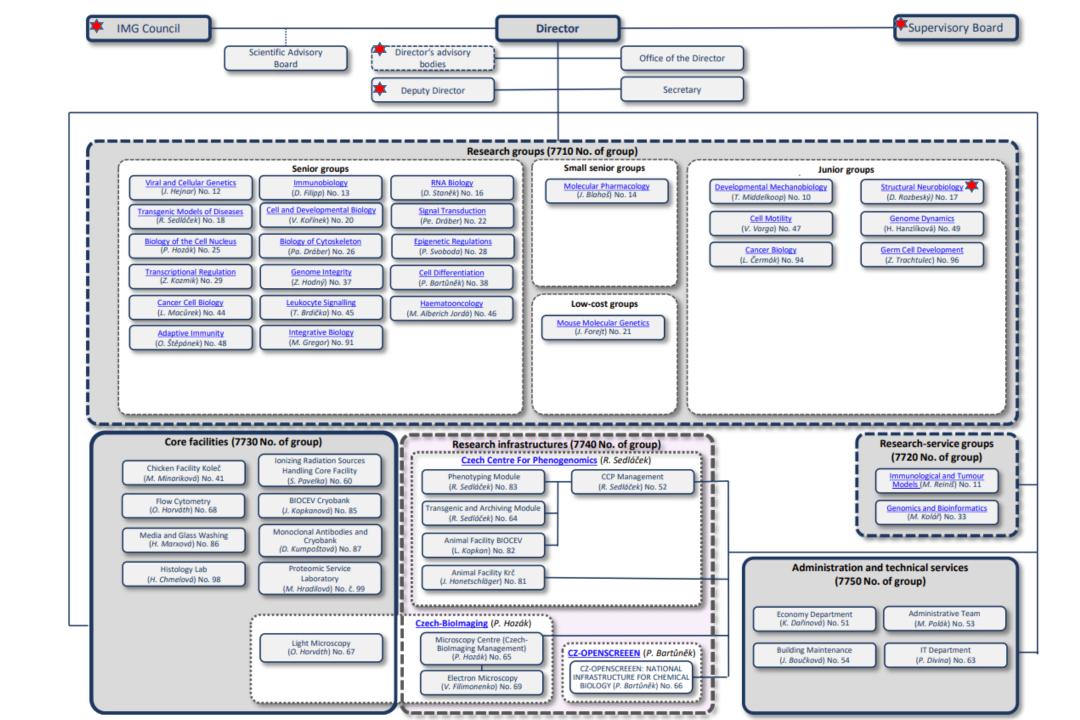
Recapitulation 2022+

*

+ Plans 2023

- 1. Organizational changes
- 2. Life at IMG notes
- 3. Research activities
- 4. Awards for the best 2022 IMG publications
- 5. Plans + Conclusions







IMG Council

End: Petr Bartuněk Jiří Hejnar

New: Libor Macurek Ondřej Štěpánek



Prof. Petr Svoboda, Ph.D. Chairman



Martin Gregor, Ph.D. Vice-Chairman



Meritxell Alberich Jordà, Ph.D. Internal Member



Vladimír Kořínek, Ph.D. Internal Member



Zbyněk Kozmík, Ph.D. Internal Member



Libor Macurek, M.D., Ph.D. Internal Member



Prof. David Staněk, Ph.D. Internal Member



Ondřej Štěpánek, Ph.D. Internal Member



Miroslava Anděrová, Ph.D. (Institute of Experimental Medicine, Czech Academy of Sciences, Prague) External Member



External Member

Prof. Jan Černý, Ph.D. (Faculty of Science, Charles University, Prague)



Assoc. Prof. Libor Krásný, Ph.D. (Institute of Microbiology, Czech Academy of Sciences, Prague) External Member



Prof. Karel Smetana, M.D., Ph.D.,
DSc. (First Faculty of Medicine,
Charles University, Prague)
External Member



Věra Chvojková, M.Sc., MBA Secretary



Supervisory Board of IMG

End: Václav Hořejší Jiří Hašek Jana Pěknicová New: Ondrej Horváth Jiří Gabriel Petr Malý



Zdeněk Havlas, Ph.D., D.Sc. (Czech Academy of Sciences) Chairman



Ondrej Horváth, M.D. Vlce-Chairman



Assoc. Prof. RNDr. Jiří Gabriel,
Ph.D., DSc. (Institute of
Microbiology, Czech Academy of
Sciences)
Member



Petr Malý, Ph.D. (Institute of Biotechnology, Czech Academy of Sciences)



Ján Matejka, Ph.D. (Institute of State and Law, Czech Academy of Sciences) Member



Leona Krausová Secretary



Institute Management Board

End: Vladimír Kořínek Jiří Hejnar

New: David Staněk
Petr Svoboda











Ondrej Horváth, M.D.



Kamila Dařinová, M.Sc.



Prof. Petr Svoboda, Ph.D.

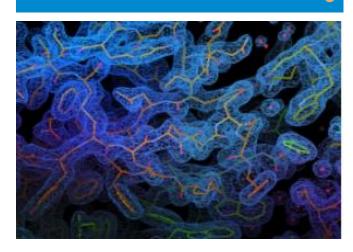


New IMG research group

Laboratory of Structural Neurobiology



Daniel Rozbeský Group leader





Joint laboratory of Charles University and IMG



Outline



Recapitulation 2022

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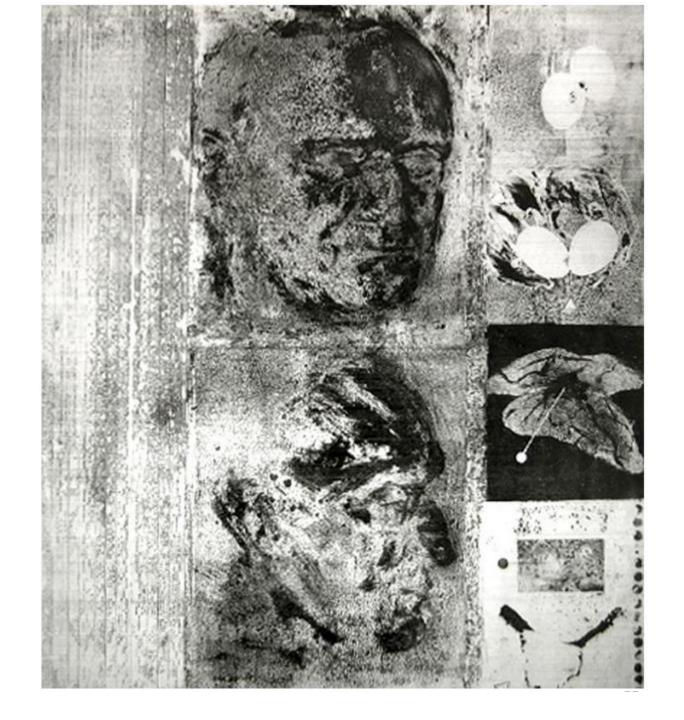
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Milan Hasek founder of IEBG/IMG

Picture: a portrait of Milan Hasek and his work – parabiosis Lept painting by Roman Havlík, 1983





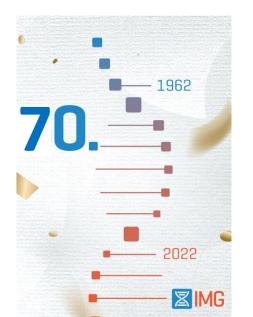
Milan Hašek Připomenutí ČLOVĚKA

(A reminder of the man)

"Jedinné co po tobě zůstane je to, co jsi za svého života sám rozdal"

("The only thing you have left is what you gave away in your lifetime")





Československá

BIOLOGIE

ročník 2. (1953) — č. 5

Vegetatívní hybridisace živočichů spojením krevních oběhů v embryonálním vývoji

> MILAN HAŠEK Biologický ústav ČSAV, experimentální biologie, Praha

> > Dollo 11. 5. 1953

VEGETATIVE HYBRIDIZATION OF ANIMALS BY JOINT BLOOD CIRCULATION DURING EMBRYONAL DEVELOPMENT

No. 4379 October 3, 1953

NATURE

603

ACTIVELY ACQUIRED TOLERANCE' OF FOREIGN CELLS

By Dr. R. E. BILLINGHAM*, L. BRENT and PROF. P. B. MEDAWAR, F.R.S.

Department of Zoology, University College, University of London

Nobel Prize in Physiology 1960: Frank M. Burnet + Peter Medawar – Discovery of acquired immunological tolerance



Emil Von Behring prize

1968



Die Philipps-Universität Marburg/Lahn verleiht Herrn Professor

DR. MILAN HAŠEK

Direktor des Instituts für experimentelle Biologie und Genetik der tschechoslovakischen Akademie der Wissenschaften in Prag

für seine bahnbrechenden Forschungen auf den Gebieten der Immuntoleranz und Transplantations-Immunologie, die neue Einblicke in komplizierte immunologische Phänomene eröffneten, den

EMIL VON BEHRING PREIS 1968





A. Lacassagne prize

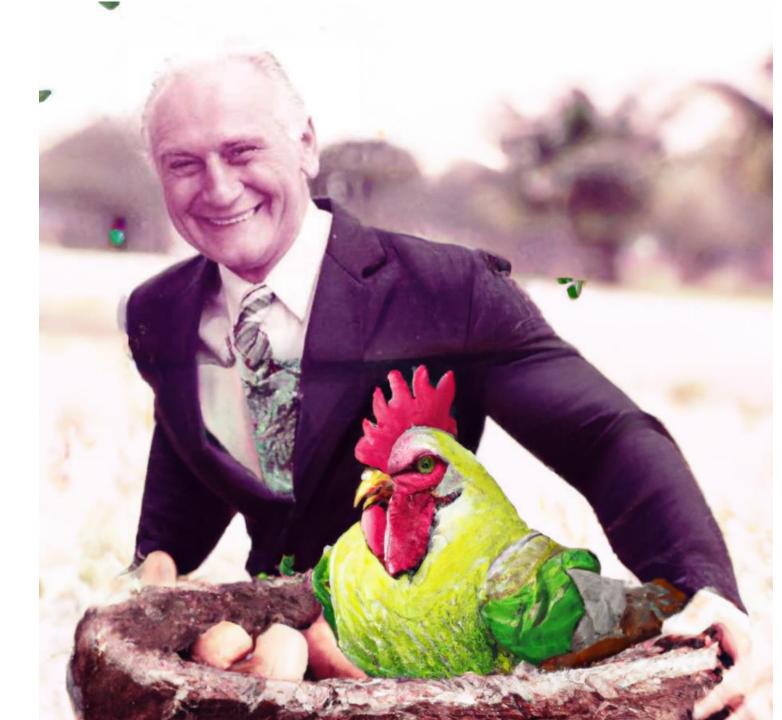




"A van Gogh style of painting of a man with a chicken and a nest with two eggs in garden"

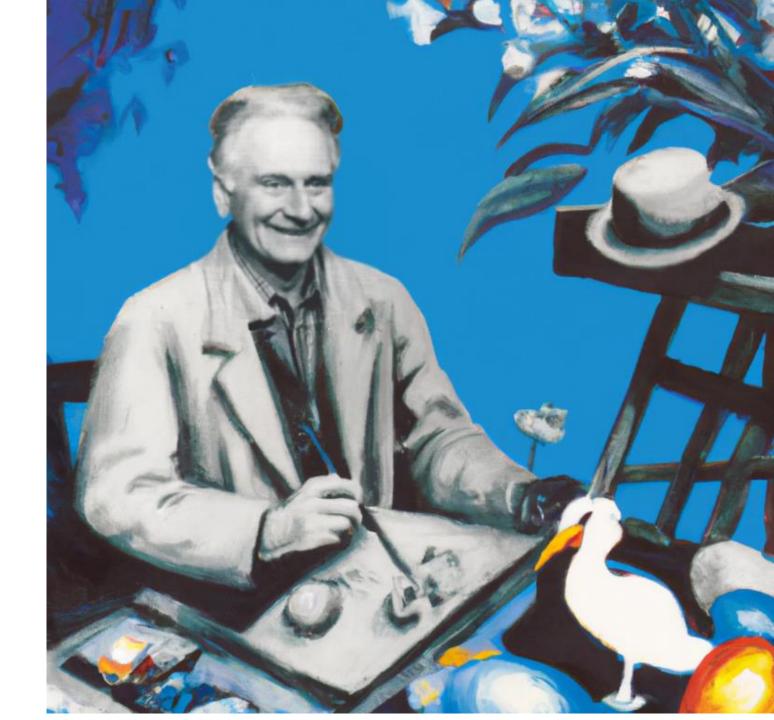


DALL·E 2 - Al system that can create realistic images and art from a description in natural language





"A cubism oil painting of a scientist writing a book in garden with flowers, chicken and two eggs"





Castle Liblice meeting – program

Evaluation of the institute from the director's and PhD student perspectives – what to improve (org. by Director and PhD committee representatives)

Technology transfer, proof of concept projects, intellectual properties of IMG (org. by M. Schmoranz; invited speaker Martin Smekal from CETTAV)

Evaluation of the IMG services and available digital technologies (org. by M. Polak. O. Horvath, P. Divina)

IMG large national infrastructures: a vision where they will be in 5 and 10 years (org. by Director, M. Polak, and heads of the infrastructures)

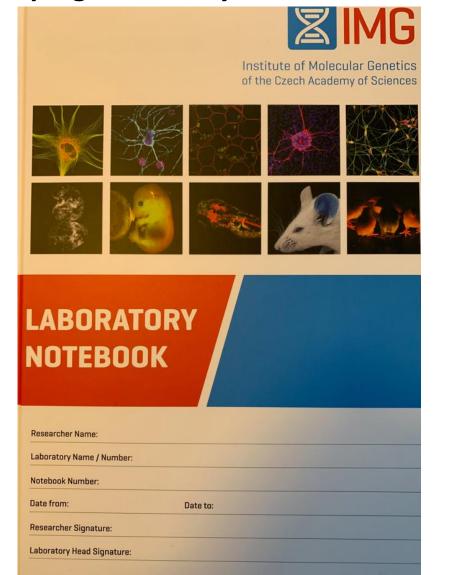
Publish or perish / predatory journals / accessibility of journals (org. by T. Brdička; invited speaker Jiří. Jirát from CzechElib)

Discussions



Laboratory data handling

Rules for keeping laboratory notebooks



Handling laboratory records:

All forms of laboratory records, including laboratory notebooks, electronically stored data or other types of documentation (e.g., documents in office binders), are the property of IMG and must be kept in a dedicated place within the affiliated laboratory. When leaving the position in the laboratory or the Institute, the researcher is bound to hand over the records to the head of the laboratory. The records must be stored by the laboratory for at least ten years. Laboratory notebooks issued by the Institute should be used as the main laboratory evidence containing all information, including location of electronic data files and other materials.

How to use the laboratory notebook:

- The laboratory notebooks must be signed by the researcher and marked by the number of the group
 to which the researcher belongs.
 - Always date each daily record.
 - 3. Every page must be signed and dated by the researcher.
 - 4. Do not remove any pages from the laboratory notebook.
 - Any mistakes in the written record must be denoted and explained, but never erased. Erasing the original records is not allowed.
 - 6. Do not skip pages; use pages completely cross any necessary blank space with a pen.
- 7. Do not add later additions to the existing pages. If you need to add any notes or data to an existing text, use a new page and make a corresponding reference on the original page.
- 8. Attach any additional data (e.g., output files from analyses) to the page it refers to by stitching.

 If it is not convenient (e.g., due to the size of the generated documents), store such data separately and make clear indication where to find it.
- 9. For written records, use permanent ink of a color suitable for copying (blue, black); do not use a pencil.
 - 10. Keep the records factual and specific, write legibly.
 - 11. Avoid using special abbreviations or non-standard codes in the text. If you do so, define them,
- 12. Record any novel ideas and concepts related to your work. Record such ideas/concepts even in the case when their scientific (or applied) potential is not obvious.



Laboratory data handling

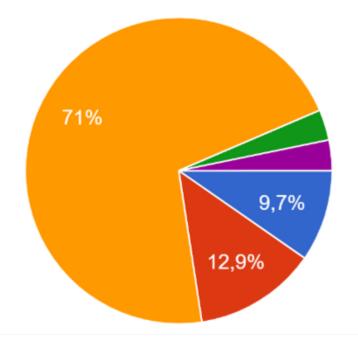
February 28, 2023 / 1st meeting at CZ-OPENSCREEN re. ELN, storage of laboratory protocols, Inventory management...



Questionnaire survey on the use and forms of laboratory NBs and ELN at IMG



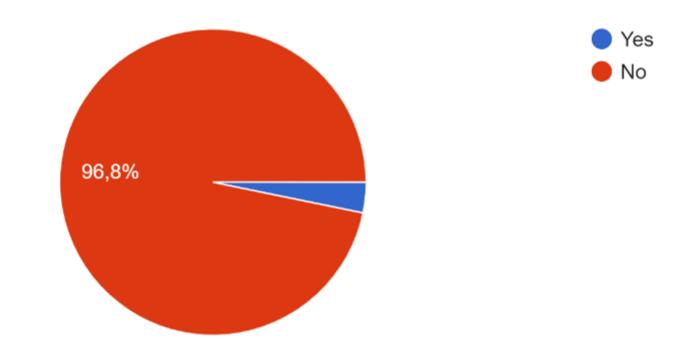
How do you keep laboratory books in your research group?



- A paper "laboratory book" provided by the instituteost
- Electronically
- Paper and electronically
- combination of paper, electronic and hardcopy (X-ray films)
- most of the res. work: paper lab book;
 phenotyping pipelines, services, contract
 res.: software coupled with statistics



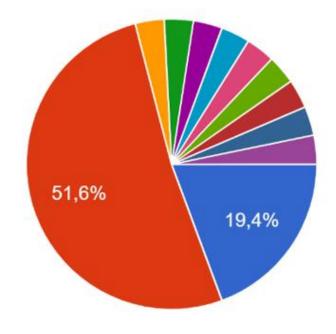
Do you sign the LNB during inspections?



April 5, 2023



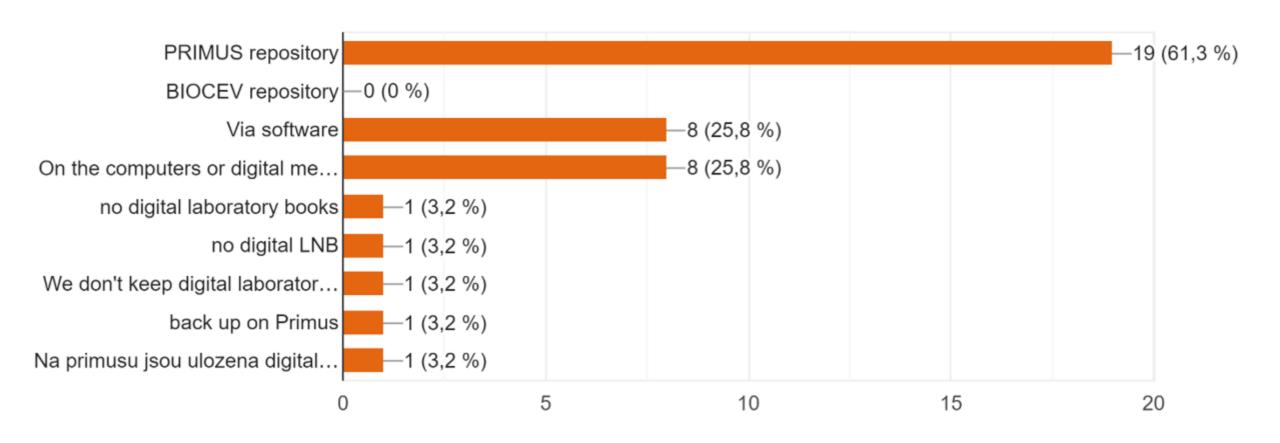
Where do you keep the completed printed laboratory books?



- In the department head's office
- The individual department staff memb...
- The individual department staff memb...
- As far as lab members are in the lab, t...
- After a persons leaves the lab, I keep...
- Everything is kept with department sta...
- 🌘 po odchodu z UMG v kancelari
- in the lab, each individual keeps his/h...
- ▲ 1/2 ▼
- online
- with the lab manager
- ve skrini v laborce nebo ve skladu odd.
 29



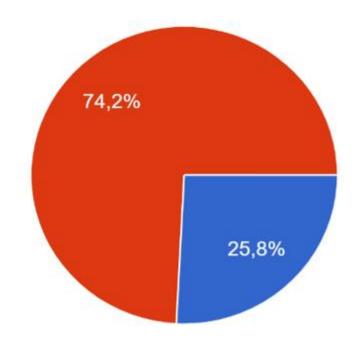
Where do you keep the digital laboratory books?



May 25, 2023 25



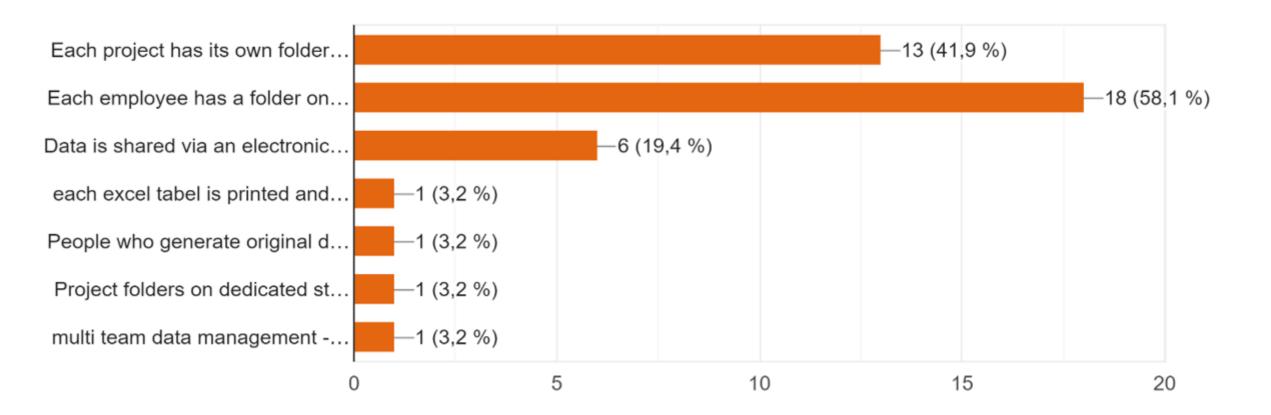
If you have project folders on Primus, do they have a predefined structure? (E.g. raw data, analyzed data, graphs/reports, etc.)



- Yes, each project folder has a fixed substructure
- No, I leave the structure of the project components to the subordinates.



How do you handle project data sharing when more than one employee is working on a project?



April 5, 2023

FAIR data management

www.nature.com/scientificdata/

(2023), May 19, 10:292

scientific data



OPEN The FAIR Cookbook - the essential **ARTICLE** resource for and by FAIR doers

Philippe Rocca-Serra (□¹,2 ⋈, Wei Gu(□³,4, Vassilios Ioannidis (□⁵, Tooba Abbassi-Daloii (□⁶,

The notion that data should be Findable, Accessible, Interoperable and Reusable, according to the FAIR Principles, has become a global norm for good data stewardship and a prerequisite for reproducibility. Nowadays, FAIR guides data policy actions and professional practices in the public and private sectors. Despite such global endorsements, however, the FAIR Principles are aspirational, remaining elusive at best, and intimidating at worst.

The FAIR Cookbook covers the key steps in a FAIRifcation journey, the levels and indicators of FAIRness, the maturity model, the technologies, the tools and the standards available, as well as the skills required, and the challenges to achieve and improve data FAIRness. Part of the ELIXIR ecosystem, and recommended by funders, the FAIR Cookbook is open to contributions of new recipes.



IMG-ELN



FAIR data management - Hot topic with growing interest. In Pub Med at 2023: 375 references; first 2016

Electronic laboratory notebooks ELN) - an important part of the process. Discussion with CETTAV (Center of Technology transfer at Cz. Acad. Sci).

CETTAV recommends Labfolder used at MPI









MAX PLANCK

digital library



IMG - ELN?



IMG – ELN: based on the know-how of CZ-Openscreen. Option to prepare our own ELN, simple, robust, with all required parameters we need. CETTAV is also preparing some instructions for ELN and we will evaluate it.





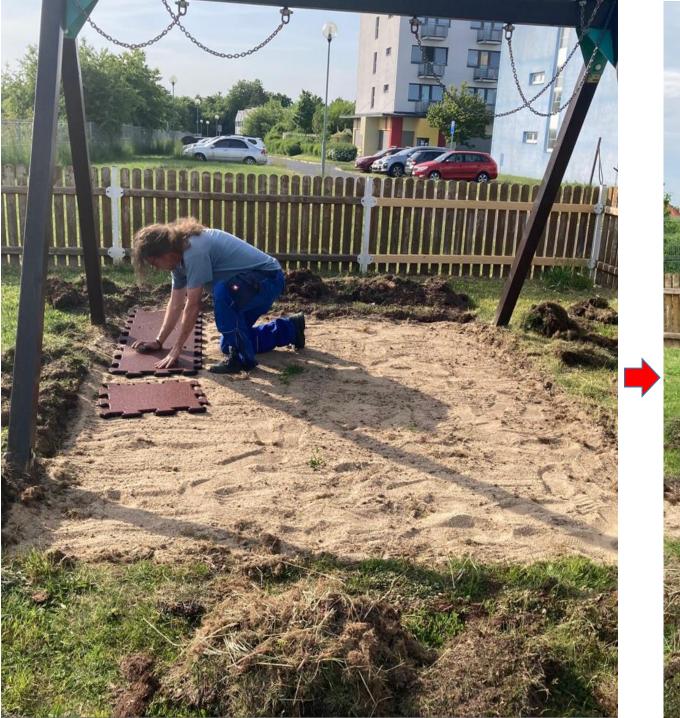
Playground renovation – 22. 5. 2023









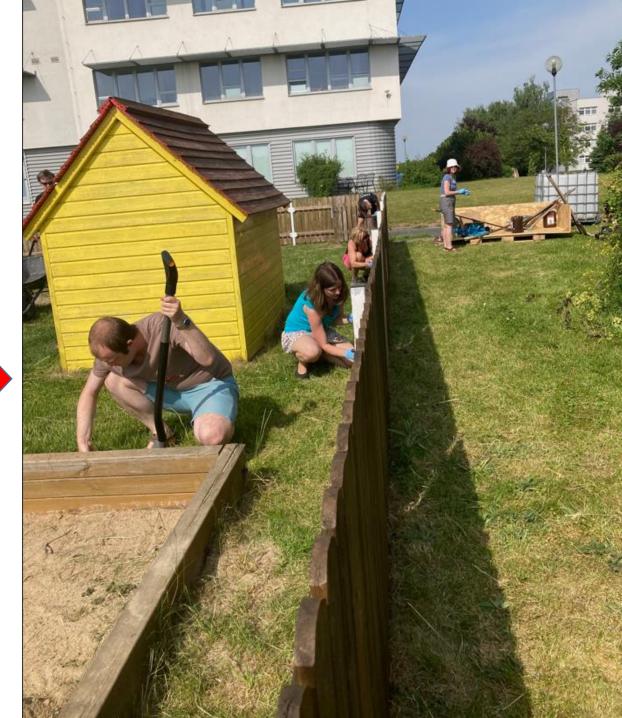






















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Outline



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+ Plans 2023

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nature immunology



Article

https://doi.org/10.1038/s41590-022-01366-0

Unique roles of co-receptor-bound LCK in helper and cytotoxic T cells

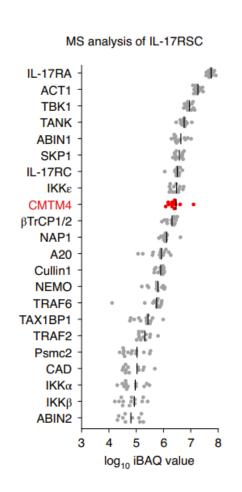
Received: 1 December 2021	Veronika Horkova ¹ , Ales Drobek ¹ , Darina Paprckova ¹ ,
Accepted: 20 October 2022	Veronika Niederlova ® ¹, Avishek Prasai¹, Valeria Uleri ® ¹, Daniela Glatzova¹, Markus Kraller², Michaela Cesnekova¹, Sarka Janusova¹, Eva Salyova¹, Oksana Tsyklauri ® ¹, Theresa A. Kadlecek³, Katerina Krizova¹, René Platzer², Kilian Schober⁴, Dirk H. Busch ® ⁴, Arthur Weiss³, Johannes B. Huppa ® ² & Ondrej Stepanek ® ¹ ⊠
Published online: 23 December 2022	
Check for updates	

The findings reveal the role of co-receptor-bound LCK in T cell biology, show that CD4- and CD8-bound LCK drive T cell development and efector immune responses using qualitatively different mechanisms and identify the co-receptor–LCK interactions as promising targets for immunomodulation.

May 25, 2023







nature immunology



Article

https://doi.org/10.1038/s41590-022-01325-9

CMTM4 is a subunit of the IL-17 receptor and mediates autoimmune pathology

Daniela Knizkova^{1,2,4}, Michaela Pribikova ^{1,4}, Helena Draberova¹,

Tereza Semberova ¹, Tijana Trivic ¹, Alzbeta Synackova ¹, Andrea Ujevic ¹,

Jana Stefanovic ¹, Ales Drobek², Martina Huranova², Veronika Niederlova ²,

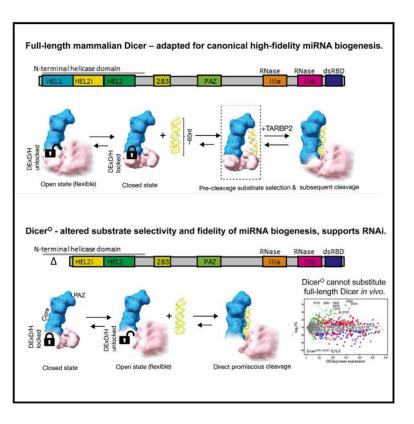
Oksana Tsyklauri ², Ales Neuwirth ², Jolana Tureckova³,

Ondrej Stepanek ² and Peter Draber ^{1,2}

The data identified CMTM4 as an essential component of IL-17R and a potential therapeutic target for treating IL-17-mediated autoimmune diseases.









Molecular Cell

Article

Structural and functional basis of mammalian microRNA biogenesis by Dicer

David Zapletal,^{1,2,10} Eliska Taborska,^{3,10} Josef Pasulka,^{3,10} Radek Malik,³ Karel Kubicek,^{1,3} Martina Zanova,¹ Christian Much,^{4,5} Marek Sebesta,¹ Valeria Buccheri,³ Filip Horvat,^{3,6} Irena Jenickova,⁷ Michaela Prochazkova,⁷ Jan Prochazka,⁷ Matyas Pinkas,¹ Jiri Novacek,¹ Diego F. Joseph,³ Radislav Sedlacek,⁷ Carrie Bernecky,⁸ Dónal O'Carroll,^{4,5,9} Richard Stefl,^{1,2,*} and Petr Svoboda^{3,11,*}

The authors provide evidence explaining how the DExD/H domain functions in an ATP-independent manner, segregates miRNA from the RNAi pathway in vivo, and makes **Dicer an essential gatekeeper in miRNA biogenesis.**







nature communications



Article

https://doi.org/10.1038/s41467-022-32763-6

BRAT1 links Integrator and defective RNA processing with neurodegeneration

Received: 8 September 2021

Accepted: 15 August 2022

Zuzana Cihlarova^{1,2}, Jan Kubovciak³, Margarita Sobol¹, Katerina Krejcikova ¹, Jana Sachova ³, Michal Kolar ³, David Stanek ⁴, Cyril Barinka ⁵, Grace Yoon⁶, Keith W. Caldecott ^{1,7} & Hana Hanzlikova ^{1,7}

The data identify BRAT1 as a factor important for the efficient functioning of the Integrator, thus linking the neuropathology of patients with the BRAT1 mutation and patients with the Integrator mutations.





nature structural & molecular biology

ARTICLES

https://doi.org/10.1038/s41594-022-00747-1



OPEN

PARP inhibition impedes the maturation of nascent DNA strands during DNA replication

Alina Vaitsiankova¹, Kamila Burdova¹, Margarita Sobol², Amit Gautam¹, Oldrich Benada⁰, Hana Hanzlikova⁰, and Keith W. Caldecott⁰, ^{1,2} □

Collectively, these data show that PARP inhibitors impede the maturation of nascent DNA strands during DNA replication, and implicate unligated Okazaki fragments and other nascent strand **discontinuities in the cytotoxicity of the PARP inhibitors.**







RESEARCH ARTICLE





A model of preferential pairing between epithelial and dendritic cells in thymic antigen transfer

Matouš Vobořil^{1†}, Jiří Březina^{1,2†}, Tomáš Brabec¹, Jan Dobeš^{1,2}, Ondřej Ballek¹, Martina Dobešová¹, Jasper Manning¹, Richard S Blumberg³, Dominik Filipp^{1*}

The findings suggest a preferential pairing model for the distribution of medular thymic epithelial cells (TEC)derived antigens among distinct populations of thymic DCs.







ARTICLE

Plectin-mediated cytoskeletal crosstalk controls cell tension and cohesion in epithelial sheets

Magdalena Prechova¹, Zuzana Adamova^{1,2}, Anna-Lena Schweizer³, Miloslava Maninova¹, Andreas Bauer⁴, Delf Kah⁴, Samuel M. Meier-Menches⁵, Gerhard Wiche⁶, Ben Fabry⁴, and Martin Gregor¹

The study revealed that plectin-controlled cytoarchitecture and balanced internal distribution of tension are directly linked to cell cohesion and maintenance of epithelial stability.

May 25, 2023 48







Cancer cells use self-inflicted DNA breaks to evade growth limits imposed by genotoxic stress



Genotoxic treatments, such as radiation and some chemotherapy drugs, are a mainstay of cancer therapy, but they often fail to fully destroy tumor cells. Normal cells can protect themselves from genotoxic insults by activating the G₁ cell cycle checkpoint, but this checkpoint is often dysfunctional in tumors. The authors discovered that tumor cells can activate a nuclease that causes limited induction of DNA breaks at specific sites, which is coordinated with the process of DNA break repair. These self-inflicted DNA breaks trigger the G2 cell cycle checkpoint, **preventing tumor cells from cycling and protecting them from death due to treatment-induced DNA damage**.



12274–12290 Nucleic Acids Research, 2022, Vol. 50, No. 21 https://doi.org/10.1093/nar/gkac1116

Published online 1 December 2022

50

DDX17 helicase promotes resolution of R-loop-mediated transcription-replication conflicts in human cells

Barbora Boleslavska ^{1,2}, Anna Oravetzova ^{1,2}, Kaustubh Shukla ^{1,2}, Zuzana Nascakova ^{1,2}, Oluwakemi Ngozi Ibini ^{3,2}, Zdenka Hasanova ^{1,2}, Martin Andrs ^{1,3}, Radhakrishnan Kanagaraj ^{3,4,5}, Jana Dobrovolna ^{1,4} and Pavel Janscak ^{1,6,4}

Our experiments highlight DDX17 helicase as a potential genome caretaker during transcription-induced replication stress. Our findings suggest that DDX17 might be involved in R-loop unwinding at sites of TRCs to promote replication restart via the MUS81–LIG4–ELL axis.





nature structural & molecular biology

ARTICLES

https://doi.org/10.1038/s41594-022-00747-1



OPEN

PARP inhibition impedes the maturation of nascent DNA strands during DNA replication

Alina Vaitsiankova¹, Kamila Burdova¹, Margarita Sobol², Amit Gautam¹, Oldrich Benada⁰, Hana Hanzlikova⁰, and Keith W. Caldecott⁰, ^{1,2} □

Collectively, these data show that PARP inhibitors impede the maturation of nascent DNA strands during DNA replication, and implicate unligated Okazaki fragments and other nascent strand **discontinuities in the cytotoxicity of the PARP inhibitors.**



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Award of the Director of the Institute of Molecular Genetics of the Czech Academy of Sciences For novel essential scientific knowledge obtained in scientific research (further referred to as "Award")

The Award shall be granted to the team of authors of an **original publication that appeared** in the past calendar year. The Award was granted for the first time in 2021 for results published in 2020.

Every year, a maximum of **three best publications** shall be awarded, in the order of first, by a sum of CZK **120,000**, second, by a sum of CZK **90,000**, and third, by a sum of CZK **60,000** (the amounts have been increased since 2023 starting by publications from the year 2022). The distribution of the award to individual authors shall be decided by the corresponding author of the publication.

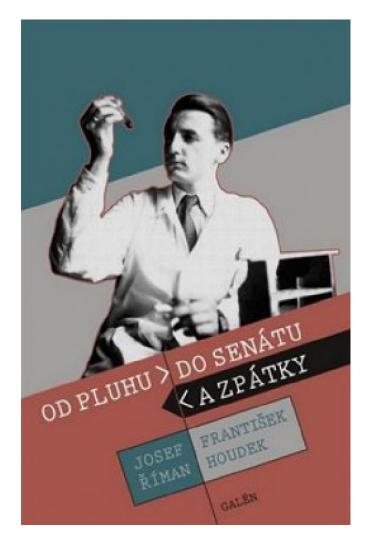
The proposals for granting the Award in the particular calendar year shall be **prepared by the IMG Council** and presented to the IMG Director.

May 25, 2023 53





Award of the Director of the Institute of Molecular Genetics of the Czech Academy of Sciences
For novel essential scientific knowledge obtained in scientific research (further referred to as "Award")



The funds associated with granting the Award shall be covered from the estate of former IMG Director, Prof Josef Říman, DSc, (information in Czech) whose wish was "to use these funds for awarding individuals and/or scientific teams for novel essential scientific knowledge obtained during their scientific research in every calendar year."



DIRECTOR OF IMG CORDIALLY CONGRATULATES







Zuzana Cihlarova, Jan Kubovciak, Margarita Sobol, Katerina Krejcikova, Jana Sachova, Michal Kolar, David Stanek, Cyril Barinka, Grace Yoon, Keith W. Caldecott, Hana Hanzlikova

Laboratory of Genome Dynamics, IMG and others

ON A RECENT PUBLICATION ACHIEVEMENT

"BRAT1 links Integrator and defective RNA processing with neurodegeneration"

published in

Nature Communications, 2022;

https://doi.org/10.1038/s41467-022-32763-6



IMG Director's Award



for novel essential scientific knowledge obtained in scientific research

3rd position

best publication in 2022

Cihlarova Z, Kubovciak J, Sobol M, Krejcikova K, Sachova J, Kolar M, Stanek D, Barinka C, Yoon G,
Caldecott KW, Hanzlikova H:

BRAT1 links Integrator and defective RNA processing with neurodegeneration.

Nat Commun 2022 13(1): 5026.

May 25th, 2023

Petr Dráber, PhD, DSc

Director

Institute of Molecular Genetics of the Czech Academy of Sciences



DIRECTOR OF IMG CORDIALLY CONGRATULATES









David Zapletal, Eliska Taborska, Josef Pasulka, Radek Malik, Karel Kubicek, Martina Zanova, Christian Much, Marek Sebesta, Valeria Buccheri, Filip Horvat, Irena Jenickova, Michaela Prochazkova, Jan Prochazka, Matyas Pinkas, Jiri Novacek, Diego F. Joseph, Radislav Sedlacek, Carrie Bernecky, Dónal O'Carroll, Richard Stefl, Petr Svoboda

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ON A RECENT PUBLICATION ACHIEVEMENT

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published in

Molecular Cell, 2022;

https://doi.org/10.1016/j.molcel.2022.10.010

May 25, 2023 (Posted: November 4, 2022)



IMG Director's Award



for novel essential scientific knowledge obtained in scientific research

2nd position

best publication in 2022

Zapletal D, Taborska E, Pasulka J, Malik R, Kubicek K, Zanova M, Much C, Sebesta M, Buccheri V, Horvat F, Jenickova I, Prochazkova M, Prochazka J, Pinkas M, Novacek J, Joseph DF, Sedlacek R, Bernecky C, O'Carroll D, Stefl R, Svoboda P: Structural and functional basis of mammalian microRNA biogenesis by Dicer.

Mol Cell 2022 82(21): 4064-4079.e13.

May 25th, 2023

Petr Dráber, PhD, DSc

Director

Institute of Molecular Genetics of the Czech Academy of Sciences



DIRECTOR OF IMG CORDIALLY CONGRATULATES







Veronika Horkova, Ales Drobek, Darina Paprckova,
Veronika Niederlova, Avishek Prasai, Valeria Uleri, Daniela Glatzova,
Markus Kraller, Michaela Cesnekova, Sarka Janusova, Eva Salyova,
Oksana Tsyklauri, Theresa A. Kadlecek, Katerina Krizova, René Platzer,
Kilian Schober, Dirk H. Busch, Arthur Weiss, Johannes B. Huppa,
Ondrej Stepanek

Laboratory of Adaptive Immunity, IMG and others

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"Unique roles of co-receptor-bound LCK in helper and cytotoxic T cells "

published in

Nature Immunology, 2022;

https://www.nature.com/articles/s41590-022-01366-0



IMG Director's Award



for novel essential scientific knowledge obtained in scientific research

1st position

best publication in 2022

Horkova V, Drobek A, Paprckova D, Niederlova V, Prasai A, Uleri V, Glatzova D, Kraller M, Cesnekova M, Janusova S, Salyova E, Tsyklauri O, Kadlecek TA, Krizova K, Platzer R, Schober K, Busch DH, Weiss A, Huppa JB, Stepanek O: Unique roles of co-receptor-bound LCK in helper and cytotoxic T cells.

Nat Immunol 2023 24(1): 174-185. [Epub 2022 Dec 23.]

May 25th, 2023

Petr Dráber, PhD, DSc

Director

Institute of Molecular Genetics of the Czech Academy of Sciences



Outline



Recapitulation 2022

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+ Plans 2023

- 1. Organizational changes
- 2. Life at IMG notes
- 3. Research activities
- 4. Awards for the best IMG publications 2022
- 5. Plans + Conclusions



Plans + Conclusions

- 1. 2023 budget balanced, without debts after restrictions (electricity and gas price) + inflation
- 2. As usual, we expect numerous controls and evaluations (Office of the Director, Administration)
- 3. Continuing renovations in Koleč, building maintenance. Search for new group leader using chicken models
- 4. Finishing renovation in BIOCEV (BSL3) OPENED on March 9, 2023
- Continuing research and preclinical studies with PREVECAN (phospholipids produced in CZ-OPENSCREEN preclinical studies) in collaboration with Smart Brain,
- 6. Lot of work for all Committees (Ph.D., Animals, Ethics, Literature, Accommodation, Instruments purchase, Microscopy, and others)
- 7. Liblice meeting regarding the future direction of IMG (?) depending on energy money spending
- 8. New IMG web intranet improving (?)
- 9. Preparing agreement with Charles University re D. Rozbesky's joint workplace of IMG and Faculty of Science CU
- 10. Many other administrative and service duties
- 11. ELN IMG (?) in collaboration with CZ-OPENSCREEN
- 12. Great research discoveries in all research groups; reflecting, among others, efficient collaborations at all levels and perfect research and administration services.

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Many thanks for your excellent cooperation at all levels & Thank you for your attention

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Outline



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