

MUNI | RECETOX



HR EXCELLENCE IN RESEARCH

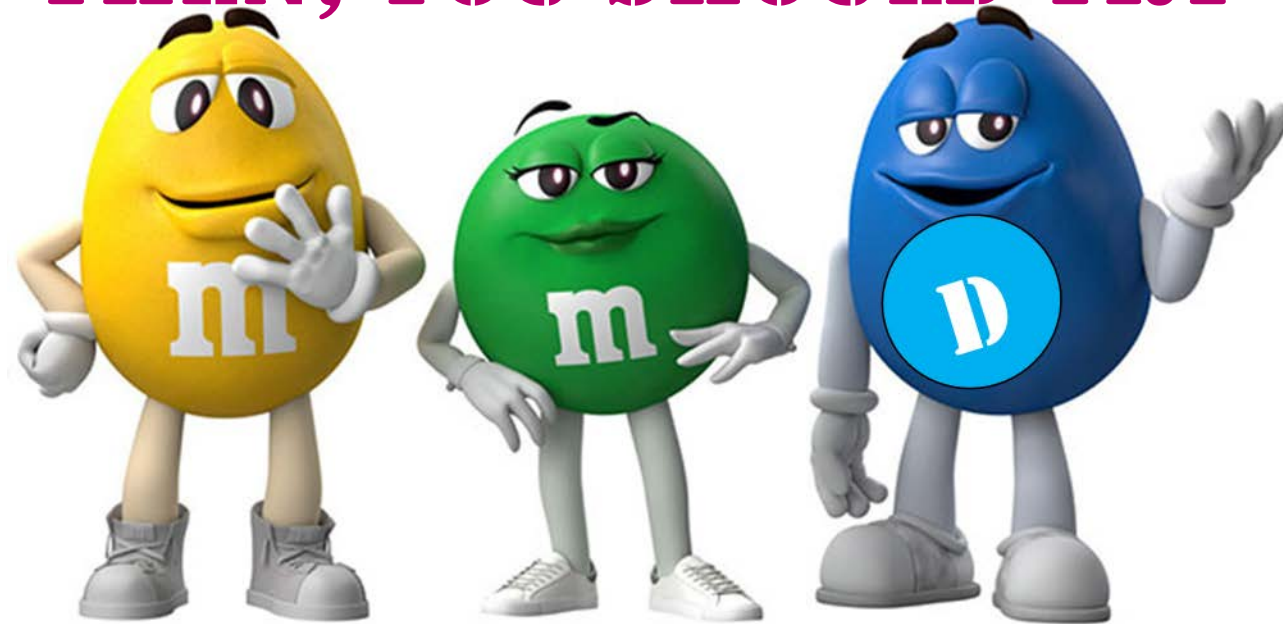
E0401 - Advances in Environmental Health Sciences seminar

Kick-off seminar – 20/9/2022

Presented by Luděk Bláha

Ready for Science? ... for Research? ... for PhD?

THEN, YOU SHOULD TRY



<https://mmd.muni.cz/>

MUNI

Mendel
Doctorandus

MUNI
SCI

MUNI
MED

MUNI
PHARM

MUNI
SPORT

MUNI | RECETOX
SCI

CEITEC

hr

HR EXCELLENCE IN RESEARCH

MUNI Mendel Doctorandus Award Programme



HR EXCELLENCE IN RESEARCH

MUNI Mendel Doctorandus (MMD) is a voluntary programme organized by Faculties and Institutes of Masaryk University (further described as „Faculties“)

- Faculty of Science (SCI MUNI)
- Faculty of Medicine (MED MUNI)
- Faculty of Pharmacy (PHARM MUNI)
- Faculty of Sports (SPORT MUNI)
- CEITEC MU

MMD is planned to be a prestigious brand (label) acknowledging supervisors and doctoral programmes at MUNI.

MMD label (including the recognition of the European Doctorat thus the significant assets of the student and PhD programme.



💡 Need more information about the MMD programme?

Advice on how **to fill out the application dossier** correctly to increase your chances of being accepted into the program? These and other questions will be answered in the MMD Online Session. The interactive session **"How to prepare Application Dossier"** will be online on **September 21, 2022 13:00** (MS Teams link [here](#))

Or use QR code to connect to the meeting:



<https://mmd.muni.cz/>

SCI MUNI strategy for ESRs (since 19/9/2022)



**Masaryk University
Faculty of Science**

**Strategy for Education and Support
of Early Stage Researchers at SCI MUNI**



Key Theme	No.	Action	Relevant Strategic Goal	Target Group	Owner
Addressing starting PhD students & potential candidates for PhD studies	1	PhD Day	1, 2, 7, 8 (Graduation, Duration, Career, Communication)	MSc students, PhD students	Coordinator for ESRs
Direct education, training, soft skills courses and mentoring for ESRs	2	Information hub for ESRs at SCI MUNI web pages	8 + 4,5,6,7 (Communication + Internac., Interdisc., Research, Career)	ESRs	Coordinator for ESRs
	3	Courses offered to PhD students through IS MUNI	6,7 (Research, Career) + 8 (Communication)	PhD students	Coordinator for ESRs
	4	Mentoring opportunities for ESRs	1,2,7,9 (Graduation, Duration, Career, Enviro) + 8 (Communication)	ESRs	Coordinator for ESRs
	5	Interdisciplinary Seminar Series & Mendel Lectures	5 (Interdisc.) + 6,9 (Research, Enviro)	PhD students, ESRs, Scientists	Coordinator for ESRs
	6	Support for international mobility of ESRs	4 (Internac.) + 8 (Communication)	ESRs	Coordinator for mobilities
	7	Organization of own activities for ESRs at SCI MUNI	6,7,9 (Research, Career, Enviro)	ESRs	Coordinator for ESRs
	Advancing standards and building environment for ESRs	8	Workshops and meetings with PhD boards	1,2 (Graduation, Duration) + 8,9 (Communication, Environ)	PhD boards
9		Support and educational activities for supervisors, mentors and senior scientists	1,2,7,9 (Graduation, Duration, Career, Enviro)	Scientists	Coordinator for ESRs
10		Reform of financing of PhD students	3 (Financial) + 1,2 (Graduation, Duration)	PhD students	Vice-dean for PhD
11		Mendel Doctorandus Award in Natural Sciences (prestigious "PhD school")	All 1-9	PhD students	Vice-dean for PhD
Further actions	12	Advancing awareness and functioning of PhD Ombudsperson role	1, 2, 9 (Graduation, Duration, Enviro)	PhD students	Vice-dean for PhD

PhD day 2022

Wed 14.9.2022

**Thanks for support
to all who contributed!**



MUNI Research Evaluation – RECETOX

MASARYK UNIVERSITY

Faculties

- > [Faculty of Law](#) | WEB
- > [Faculty of Medicine](#) | WEB
- > [Faculty of Science](#) | WEB
- > [Faculty of Arts](#) | WEB
- > [Faculty of Education](#) | WEB
- > [Faculty of Pharmacy](#) | WEB
- > [Faculty of Economics and Administration](#) | WEB
- > [Faculty of Informatics](#) | WEB
- > [Faculty of Social Studies](#) | WEB
- > [Faculty of Sports Studies](#) | WEB

Departments

- > [Department of Anthropology](#)
- > [Department of Biochemistry](#)
- > [Department of Botany and Zoology](#)
- > [Department of Condensed Matter Physics](#)
- > [Department of Experimental Biology](#)
- > [Department of Geography](#)
- > [Department of Geological Sciences](#)
- > [Department of Chemistry](#)
- > [Department of Mathematics and Statistics](#)
- > [Department of Physical Electronics](#)
- > [Department of Theoretical Physics and Astrophysics](#)
- > [National Centre for Biomolecular Research](#)
- > [RECETOX](#)

MAJOR PROJECT - TEAMING Building Centre of Excellence

MUNI | RECETOX
SCI



MUNI

FNUSA
ICRC

UCL

ETH zürich

BBMRI-ERIC

RECETOX

Size and performance of RECETOX:
Larger than several Faculties of MUNI



X

Alignment of (i) MUNI Evaluation and (ii) RECETOX Teaming Evaluation

INTERNAL RESEARCH EVALUATION
OF MASARYK UNIVERSITY

MUNI

FNUSA
ICRC

UCL

ETH zürich

BBMRI-ERIC

MUNI | RECETOX
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 CETOCOEN
Excellence


GENERAL INFORMATION ON THE EVALUATION

 evidence-based evaluation

 5 five-year evaluation cycle

 16 field-specific international evaluation panels

 110 doctoral degree programmes

 143 evaluated units

The evaluation is a part of an internal system for providing and evaluating the quality of research and doctoral studies on the level of individual departments or doctoral degree programmes.

Takes place in the years 2021–2022. The period evaluated is 2017–2021.

Primary goals

Map research topics with long-term success and potential.

Gain information for supervising science and research, managerial decision-making, and internal strategy.

Assess the quality of research in an international context and at the level of departments.

Obtain targeted feedback and recommendation for the further development of the units and doctoral degree programmes.

Evaluate the extent to which science and research are interconnected with doctoral degree programmes.

- European Teaming project: Centre of Excellence
- Key Areas of Change
 - KAC1 – Implementation of the **strategic research agenda** to achieve the excellence in research,
 - KAC2 – Accreditation of **new education and training programmes** at the Bc., MSc. and Ph.D. levels
 - KAC3 – Upgrade of the existing **Research Infrastructure**, enhancement of its capacities and open-access services,
 - KAC4 – Development and implementation of the **HR strategy**
 - KAC5 – Establishment of the **legal framework, strengthened decision-making autonomy**, effective organization, and management of the Centre,
 - KAC6 – Improvement of the **research and innovation culture** within the RECETOX and beyond,
 - KAC7 – **Mobilizing the competitive funding** and securing the financial sustainability of the Centre, and
 - KAC8 – Proper communication and **increased international visibility and attractiveness** of RECETOX.

MUNI | RECETOX

ISAB / Evaluation Panel – April 2022

– Bryan Brooks

- ISAB member, advisor
- Baylor University, TX, USA
- <https://www.baylor.edu/environmentalscience/index.php?id=954193>

– Jana Roithová

- ISAB external member/evaluator, experiences with the CZ environment
- Radboud University, NL
- <https://www.ru.nl/english/people/roithova-j/>

– Robert Barouki

- ISAB external member/evaluator
- <https://t3s-1124.biomedicale.parisdescartes.fr/nos-publications-2/test-page-perso/>

ISAB Evaluation report

- **Acknowledged** strategic vision, Interdisciplinarity, RCX structure & organization - science, RI, National Centre, diversity of topics, RETRAIN, **quality of PhD programme and PhD supervision**
- Commented on individual 5 Research programmes, Research Infrastructure
- RECETOX is emerging from being a national leader and a regional leader in Central Europe to increasingly being considered among the world leading units in environment and health. The international visibility as one of its components is extremely important for MUNI.

Unit's Grade

Assignment: Award the grade on the basis of an overall evaluation of all criteria that are monitored in the evaluation of research. The grade is a method of providing feedback for internal needs of faculties/institutes and has no direct connection to funding research at the institution. In the case of a cluster, award a single grade for the whole cluster (a detailed evaluation is expected in the previous chapters).

Grade	Explanation	Awarded grade ¹
5 – excellent / internationally competitive	The Evaluated unit achieves top, world-class level.	5
4 – very good	The Evaluated unit achieves an exceptional level.	
3 – good	The Evaluated unit achieves great level	
2 – average	The Evaluated unit achieves an average level.	
1 – below average	The Evaluated unit is below the average level.	

2.8. Degree Programme Grade

Award the grade based on an overall evaluation of all criteria that are monitored in the evaluation. The grade is a method of providing feedback for internal needs of faculties/institutes and has no direct connection to funding opportunities.

Grade	Explanation	Awarded grade ²
5 – excellent	The Evaluated Degree Programme achieves top level in the criteria above.	5
4 – very good	The Evaluated Degree Programme achieves an exceptional level in the criteria above.	
3 – good	The Evaluated Degree Programme achieves great level in the criteria above.	
2 – average	The Evaluated Degree Programme achieves an average level in the criteria above.	
1 – below average	The Evaluated Degree Programme is below the average level in the criteria above.	

ISAB – PhD report & Recommendations

- Get PhD students involved in management activities (e.g. **elected representative as observed in board meetings**)
- Competing with CEITEC, which receives support from MUNI. Equal support from MUNI to RECETOX is desirable, **combining support to basic research and societal priorities** is an option á la „WUR“ Wageningen University & Research.
- Students noted **lack of support for graduate students having children** (MUNI should act, otherwise risks of poor student recruitment, retention and productivity).

Lessons from PhD conference 2022

- Overall very positive for both lecture- and poster-sessions + feedback on usefulness (motivates students & PIs)
- **Criticism and things to improve**
 - (repeatedly) Low participation of staff / PIs / Committee members
- Lectures organization – to consider
 - Talk by expert (and students can select)
 - **Include short term training / Training discussion panel**
 - Places to sit were missing, room organization
- Poster display – too crowded, organizations to consider
 - Organize in corridors
 - Thematic grouping of posters
 - Short 2 min intro at each poster / OR brief presentation of the awarded poster
 - Standards (incomplete posters, w/o hypothesis) & Criteria (evaluation sheet) for poster evaluation
 - Organize – overlaps with need to stay/present & discuss with the others
- General organization
 - Uncertainty – who sends the information to PIs that should attend (students should inform?) – inform about organization
 - List of presentations and posters to be displayed and available
 - **Involve students in organization**
 - **Involve undergraduate students**
 - UK experience – 1h per student, specific Committee with strong expertise
 - Refreshment during all poster session, ability to tag the glass 😊



Establish your (?) RECETOX PhD Student Committee (?)

Contacts to all PhD students: email from Blaha 19/9 (or Terka Nováková)

Elect your representative(s)

- your voice >> bring inputs
- invited to meetings of RECETOX management

L.B. will be happy to discuss further ... if you like 😊



Students of the 1st and 2nd semester (and supervisors)

- Discuss with supervisor(s) and prepare
the detailed research plan for PhD studies
- Timeline – Dec 2022:
 - Submit 8-10 pages by **December 6, 2022** (Tuesday)
 - Present (10 min) during **December 13, 2022** seminar
- Detailed instructions will be sent to corresponding students by email

Kick off seminar – wrap off messages

– STUDENTS

- MMD
- Committee (... you name it)
- (1st and 2nd semester students) - PhD project plan

– SUPERVISORS

- Participation in seminars & responses to various invitations expected

– ALL

- Read and reflect on NEWSLETTERS and EVENTS OF THE WEEK

Ready for Science? ... for Research? ... for PhD?

LET'S START THE...

...AUTUMN SEMESTER OF THE ACADEMIC YEAR TWENTY TWO ...

...TWENTY THREE

(2022/23)