

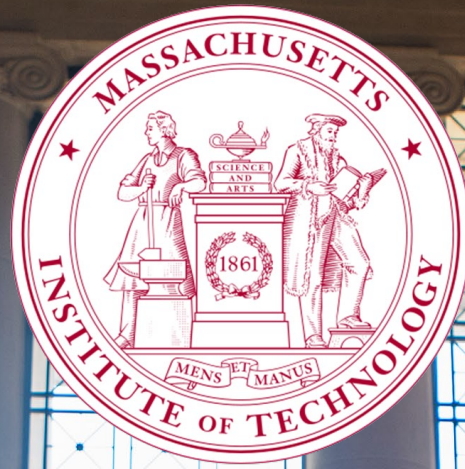


MISTI

MIT International Science
and Technology Initiatives

MIT-Czech Republic
IOCB Tech Foundation Seed Fund
Information Session
31 July 2024, online

Ranked #1 in the world



100 Nobel Prize winners



“MIT is a community eager to solve hard problems in service to the nation and the world.”

-MIT President L. Rafael Reif

Create future
global leaders

Promote faculty
international research
collaboration

Connect international
partners with MIT

OUR MISSION

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CZECH REPUBLIC &

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- MIT-Czech Republic Seed Fund was generously supported for first three years (2021-2023) by IOCB Tech and then new IOCB Tech Foundation
- Big success – 31 applications over three years, for 12 awards!
- 2024: New **MIT-Czech Republic IOCB Tech Foundation Seed Fund** (3 years)

IOCB Tech 

IOCB Tech Foundation

Our mission is to contribute to the advancement of science and the application of its results in society, while also strengthening public awareness of the fundamental contributions of scientific research.

GLOBAL SEED FUNDS

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Goal:

Promote and support early-stage collaborations between researchers at MIT & in the Czech Republic, to lead to long-term relationships and joint research projects

A hand holding a large orange coin with 'MIT' written on it. The coin is held in a way that it is the central focus of the image. The background is slightly blurred, showing what appears to be a laboratory or office setting with some equipment and papers.

WHO CAN APPLY?

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- MIT and Czech researcher apply together, via joint online application
- Open to all researchers affiliated with Czech universities or non-profit research institutes (no companies)
- Typical research teams include faculty & post-docs, and often graduate and even undergraduate students
- MIT applicant must have Principle Investigator/ PI status (usually post-doc and above)

WHAT DOES IT FUND?

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- Maximum award is \$25,000
- Funds only for travel and meetings – no salaries or materials
- Maximum stay is two months; often more shorter visits (e.g. two two-week visits)
- All travel complete within 20 months
- Short final report due upon completion

SELECTION CRITERIA

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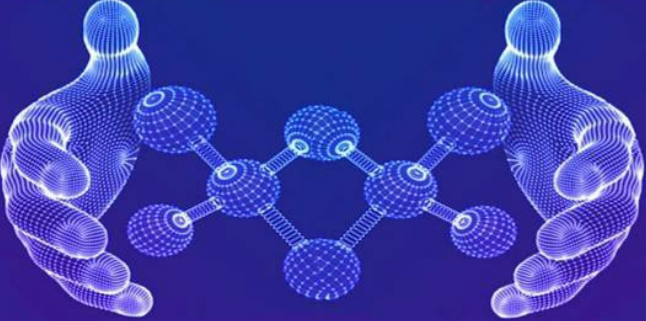
Priority is given to projects that:

- Can make an important contribution to the field
- New or are entering a new phase
- Include a balanced exchange between participating teams
- Demonstrate complementarity between participating teams
- Involve undergraduate and/or graduate students in a meaningful way
- **Are likely sustainable beyond the grant period**

FINDING A COLLABORATOR


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- MIT faculty know MISTI Seed Funds program well: over 70% (!) have applied
- Finding researchers at MIT:
 - <https://web.mit.edu/research/>
- Recommendation: contact MIT researcher directly via email
- Having trouble connecting with a faculty member? Reach out to me: Justin Leahey, jleahey@mit.edu



**Molecular-level engineering (MLE)
in the advanced gas separation membrane
fabrication**

Prof. Karel Friess

 UNIVERSITY OF
CHEMISTRY AND TECHNOLOGY
PRAGUE

 MISTI MIT Global
Experience
04/20/2023 



Thanks to the MIT-Czech Republic Seed Fund, **prof. Karel Friess** from the University of Chemistry and Technology Prague (VŠCHT Praha) spent one week at MIT in April 2023. He has visited his research partner, prof. Mircea Dinca (Group of Functional Inorganic and Organic Materials at MIT), and had a seminar presenting the achievements of his working group and the collaboration with MIT. The joint project is titled “*Clean Energy Applications with Mixed-Matrix Membranes of 2D MOFs*”, and it is focused on the development of multifunctional 2D structured MOFs for applications in the area of energy storage and gas separations. A one-month Czech student mobility at MIT is planned for August 2024. One joint manuscript revealing the impact of 2D MOFs supplied by MIT for the gas separation polymer-based mixed matrix membranes is in preparation (submission is planned by the end of 2024).

A hand wearing a blue nitrile glove holds a clear petri dish. The letters 'MIT' are written in red on the inside of the dish. The background shows a laboratory setting with a blue surface and some equipment.

Q & A

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Happy to answer any questions!