



Slovak Academy of Sciences

Zuzana Hrabovská



Slovak Academy of Sciences (SAS) is celebrating the 70th anniversary of its foundation



- **Top national scientific Slovak institution**
- **Public institution undertaking top academic non-university research in Slovakia**
- Research carried out in natural, technical, medical, agricultural, social sciences and humanities
- 2.147 employees, 509 doctoral students (30% international doctoral students)
- **45 independent institutes** grouped in three scientific sections

Detailed info on: <https://www.sav.sk/?lang=en>



Scientific Sections

01

Physical, Space, Earth and Engineering Sciences

02

Life, Chemical, Medical and Environmental Sciences

03

Social Sciences, Humanities, Arts and Culture



Why Academia

Our mission:

- top level basic research
- scientific infrastructure available to all interested parties
- long term strategic and applied research development
- by co-operation to transfer knowledge into practice

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We know how



HR Excellence in research award.
SAS Follows the principles of the European
Charter for Researchers and Code of Conduct
for Recruitment of Researchers

<https://hrs4r.sav.sk/en/home/>



Proud member of the Euraxess Slovakia
Network, we provide services on visa, entry
condition, taxation, social security and daily
life in Slovakia

<https://euraxesspoint.sav.sk/domov-english/>

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Department of Research and Development

EU Project Support Office: <https://euprojects.sav.sk/en/home/>

Technology Transfer Office: <https://ktt.sav.sk/en/>



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meet our fellows:

partners:



STU

www.saspro2.sav.sk



COMENIUS
UNIVERSITY
BRATISLAVA

impulz
SLOVAK ACADEMY OF SCIENCES PROGRAMME

Do you have the right



for research?

Sign up and get:

- the opportunity to work for 5 years on your own project
- the chance to build your own research team
- financial support up to € 160,000 per year

more info on the website



www.impulz.sav.sk/en



Are you a student of daily form of doctoral study ?

Is some of the SAS organisations your training workplace? ?



REGISTER

and get your grant...



SLOVENSKÁ
AKADÉMIA
VIED


SAS GRANTS
FOR PHD
STUDENTS




Štefan Schwarz Support Fund

Štefan Schwarz Support Fund

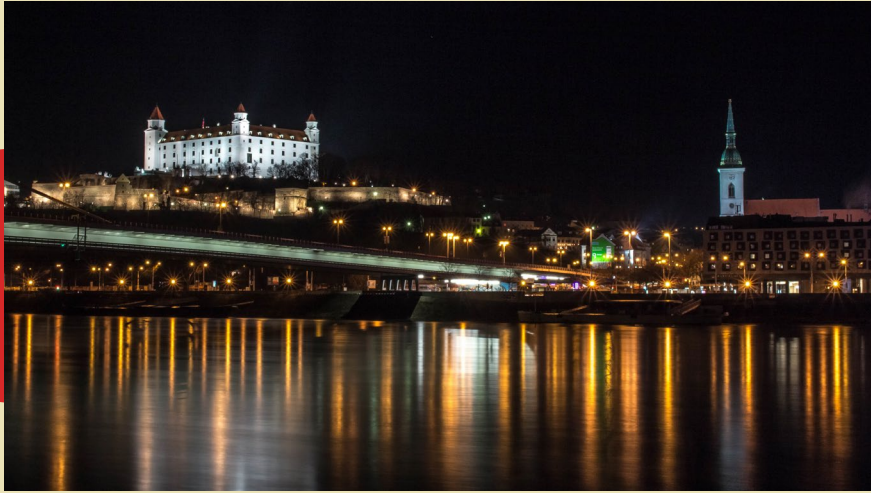
The Štefan Schwarz Support Fund was established in 2004 with the aim of enabling SAS organizations to employ more young researchers.



Why Slovakia?



- ✓ **Slovakia is a central European country** bordered by Poland, Hungary, Austria, Ukraine and Czechia. The population is around five and half million people.
 - ✓ The capital is **Bratislava, the largest city in the country**. Slovakia has been a member of the European Union since 2003 and Eurozone since 2009. The country as it exists today was founded in 1993, when Czechoslovakia split up into Slovakia and the Czech Republic. Since then, the country has been growing in importance in Europe.
 - ✓ **Slovakia also remains** a country with deep heritage, where tradition, ***culture, music, conversation, time to relax, listen and make friends are all important.***
 - ✓ For more information about Slovakia as a place to live and work including travel, food, shopping, accommodation, climate and practicalities see <https://slovakia.travel/en>
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- 



Department of Research and Development



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Head – Department of
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Thanks

Do you have any questions?

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<https://www.sav.sk/?lang=en>



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UNIVERZITA MATEJA BELA V BANSKEJ BYSTRICI

MATEJ BEL UNIVERSITY IN BANSKA BYSTRICA

SLOVAKIA

WWW.UMB.SK



ALEXANDRA BITUŠÍKOVÁ; ALEXANDRA.BITUSIKOVA@UMB.SK

KAMILA. BORSEKOVÁ; KAMILA.BORSEKOVA@UMB.SK

GENERAL OVERVIEW

- **UMB: 6 faculties**
 - Faculty of Economics
 - Faculty of Education
 - Faculty of Arts
 - Faculty of Natural Sciences
 - Faculty of Law
 - Faculty of Political Sciences and International Relations



UMB IN NUMBERS

- 7000 students
- 500 academic/research staff
- Excellent research: the best Slovak university in number of successful H2020 projects in SSH
- Horizon Europe projects: BRRIDGE; ARCHE, GENDERACTIONplus, ECOSENS, ...
- Support centres:
 - University Centre for International Projects
 - Centre for International Relations
- Extensive cooperation with practice



WHY TO COME TO UMB?

- Broad research opportunities and excellent international research collaboration
- Excellent library
- Numerous sports facilities
- Refurnished dormitories
- No I university in Slovakia to be awarded HR Excellence in Research
- No I university in Slovakia to have an Open Access Strategy
- One of the first in Slovakia with Gender Equality Plan
- On the way to Green University
- Tons of fantastic university events!



WHY TO COME TO BANSKÁ BYSTRICA?...

...because rich history shaped its current beauty

- In 1255 king Belo IV promoted the status of a free royal city
- Banská Bystrica was member of the exclusive trio of the richest central Slovakian mining towns in Middle Ages
- Fugger and Thurzo families founded the prosperous, largest, and most modern early-capitalist company of that time.
- Depending mainly on the mines around Banská Bystrica, the company became the leading world producer of copper by the 16th century.
- In August 1944 became the centre of the Slovak National Uprising, the second largest insurrection against the German Nazi regime following the Yugoslav partisan war



WHY TO COME TO BANSKÁ BYSTRICA?

...because it is a nice place to live and do research

- Banská Bystrica – a pleasant city of 80 000 inhabitants
- Located in the heart of Slovakia in a beautiful mountainous area
- An attractive environment and a charming historic city centre
- Vibrant urban life with the largest youth club in Slovakia, lots of cafés, pubs and restaurants



WHY ELSE TO COME TO BANSKÁ BYSTRICA? ...because it is nice in spring...



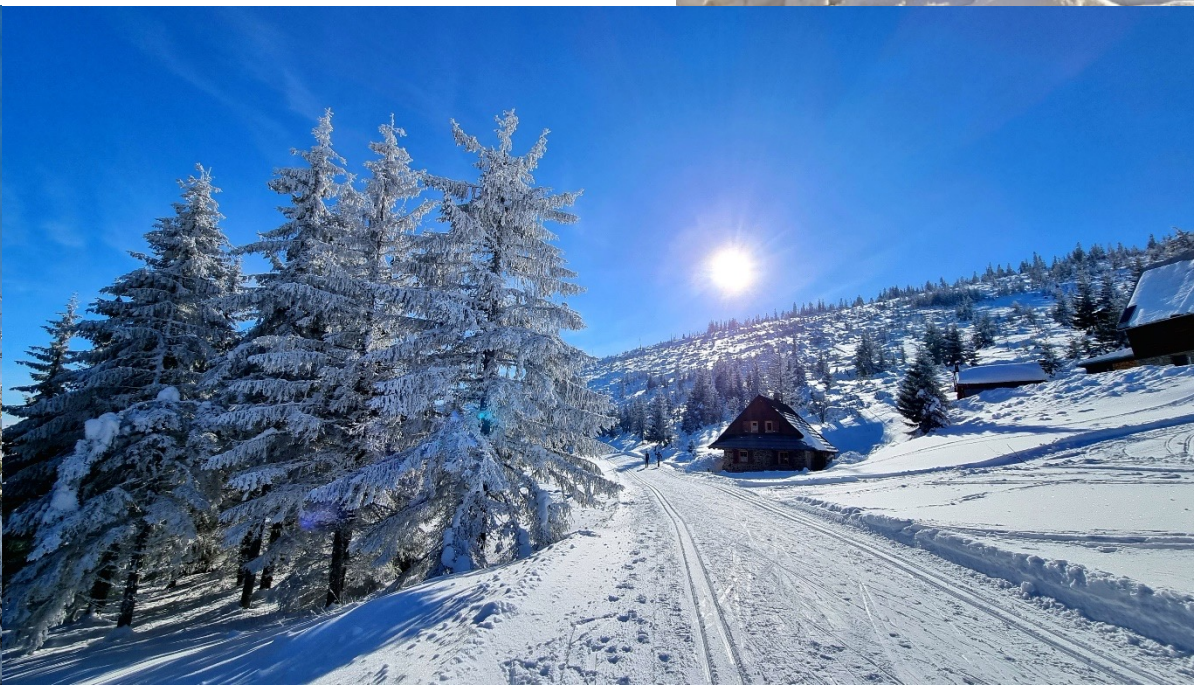
...and in summer..



...colorful in autumn...



...and cool in winter..



COME AND SEE...

www.umb.sk

- **Video on UMB:**

<https://youtu.be/hVnJWHW3CwE>

- **Video on Central Slovakia:**

<https://www.youtube.com/watch?v=vFSiFHi0Hh0>



FunGlass

Centre for functional and
surface functionalized glass

FunGlass formulas to unlock your MSCA success story (together).

Peter Hošťák, PhD.

Head of Administration and European Projects Office





Trenčín - European Capital of Culture 2026

<https://www.trencin2026.sk/en>



FunGlass - Centre for Functional and Surface Functionalized Glass

university embedded CoE
with quasi faculty status

- **Basic/fundamental research**
- **Training – doctoral program** (chemical engineering and technologies - inorganic technology and non-metallic materials)
- **Applied research and intersectoral collaboration**

**FunGlass Project
Consortium / Scientific Board**

Prof. Dušan Galusek
Director



Alexander Dubček
University of Trenčín
Slovakia



Prof. Alicia Durán
Coatings



Instituto de Cerámica
y Vidrio, Madrid
Spain



Prof. Lothar Wondraczek
Functional Glass



Friedrich Schiller
Universität Jena
Germany



Prof. Aldo Boccaccini
Biomaterials



Friedrich Alexander
Universität Erlangen-
Nürnberg, Germany



Prof. Enrico Bernardo
Glass Processing



Università degli Studi
di Padova
Italy



Profile



Department of Biomaterials
Dr. Martin Michálek



Department of Coatings
Assoc. Prof. Amirhossein Pakseresht



Department of Functional Glass
Assoc. Prof. José Velázquez García



Department of Glass Processing
Dr. Jozef Kraxner



VILA - joint department of the IIC Slovak Academy of Sciences & TnUAD
Prof. Dušan Galusek



Central Laboratories
Dr. Dagmar Galusková



Administration and Projects Office
Dr. Peter Hošťák

HEADCOUNT Dynamics

Feb 2017: 24 (17 R + 7 PhD)



May 2018: 48 (29 R + 9 Adm + 10 PhD)



May 2023: 87 (48 R + 11 Adm + 26 PhD)

AREAS OF EXPERTISE

Research of glass and ceramic materials with special emphasis on study of functional properties (luminescence, electric, magnetic, catalytic, sorption) and functionalization of conventional glass with the aim to modify mentioned characteristics and add new functionalities.

Topics matched with Departments	Funct. Glass	VILA	Central Labs	Bio-materials	Glass Processing	Coatings
Corrosion, corrosion protection		■	■	■	■	■
Biomaterials			■	■	■	■
Measurement and modeling	■	■	■			
Functional glass/glass-ceramics/ceramics	■	■				■
Upcycling of inorganic/glass waste				■	■	
Structural materials		■			■	
Coatings	■		■	■		■
Additive manufacturing				■	■	

FunGlass HOSTING OFFER

1 + 1 = EXCELLENT PROPOSAL

SITE VISIT

(LET'S GET TO KNOW EACH OTHER)

- A 2-week stay (funded from FunGlass visiting researcher program) to crystallize the story of your proposal.
- Access to senior researchers, state-of-the-art research facilities and research administrators.

ACCESS TO NETWORK OF ATTRACTIVE SECONDMENTS

- Since 2018 track record of more than 700 person-months of secondments (researchers + PhD Students) with leading European academic and industrial R&I partners.

GRANT PROPOSAL SERVICES

(LET US HELP YOU)

- Support from a project management team with know-how to prepare and coordinate large multinational research projects (more than €35 million in secured funding through competitive grants since 2017)

FunGlass HOSTING OFFER

3 for 1 = HIGHER CHANCE OF SUCCESS

Proposal with a score higher than 85% (Seal of Excellence).

ROUND ONE: HORIZON-MSCA-2023-PF-01-01

Results in 2022, panel Chemistry: Cut-off point for funding 91.8 pts (approx. 18% of 920 proposals).



ROUND TWO: HORIZON-WIDERA-2022-TALENTS-02 (only for Widening Countries)

Results in 2022: Cut-off point for funding 89.6 pts (17.28% if 351 eligible proposals).



ROUND THREE: Recovery and Resilience Plan of Slovakia

National call to support MSCA-PF proposals with Seal of Excellence (https://vaia.gov.sk/wp-content/uploads/2022/11/Investicia_1_1.3_zamer_podpora-SoE_web.pdf?csrt=6650216345196113634)

FunGlass HOSTING OFFER

3 for 1 = HIGHER CHANCE OF SUCCESS

MSCA Fellowship 
HORIZON-MSCA-2023-PF-01-01

Number of eligible proposals	920 proposals
Cut off score for funding*	91.8
Score equal to or above	EF-CHE
100	0.65%
99	1.41%
98	2.93%
97	4.02%
96	6.30%
95	8.70%
94	11.52%
93	14.78%
92	17.28%
91	20.00%
90	23.70%
89	26.85%
88	30.11%
87	33.04%
86	36.74%
85	39.35%
84	41.85%

ERA Fellowship 
(Widening Countries Only)
HORIZON-WIDERA-2022-TALENTS-02

ERA-2021: Cumulative percentage of proposals above threshold, with a given score or higher (funding range marked in green)	
Number of eligible proposals	353 proposals
Cut off score for funding*	89.6
Score equal to or above	ERA
100	0.00%
99	0.00%
98	0.00%
97	0.00%
96	0.00%
95	0.00%
94	0.00%
93	2.55%
92	5.10%
91	9.07%
90	12.18%
89	17.28%
88	20.96%
87	25.21%
86	28.90%
85	32.29%
84	38.81%

NATIONAL FELLOWSHIP 



RECOVERY &
 RESILIENCE
 PLAN OF
 SLOVAKIA

FunGlass HOSTING OFFER

4 > 2 = HIGHER IMPACT

- **Contract extension: 2 + 2 (2y MSCA grant + 2y FunGlass funds).**

- FunGlass will offer its MSCA fellows a unique **option to extend duration of their contract** by two years (under the same terms as MSCA PF grant but funded from FunGlass institutional resources)
- We are seeking new talents and want to support the full implementation of the project and maximize its impact.

- **State-of-the-art research infrastructure**

- Includes an investment of €9M in new laboratories inaugurated in 2023.
- Details on our equipment – see <https://www.funglass.eu/equipment/>

FunGlass Equation

FG = GF (FunGlass = Good Friends)

- Our team comes from 16 countries / 4 continents.
- Women make up 47%.





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www.funglass.eu

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This presentation is a part of dissemination activities of project [FunGlass](#).
This project has received funding from the European Union's Horizon 2020
research and innovation programme under grant agreement No 739566.



FunGlass

centre for functional and
surface functionalized glass

THANK YOU FOR YOUR ATTENTION