

WHAT WE OFFER

- Tuition free PhD study,
- Scholarship to cover living cost while studying (comparable to the average net salary in Slovakia),
- Unique opportunity to participate in the transnational European research projects integrating significant international knowhow and experience,
- Access to up to 1-year internships with FunGlass international partners at their home sites in Germany, Italy, or Spain under the supervision of world leading scientists,
- Training to operate state-of-the-art research infrastructure; for a full list visit <https://www.funglass.eu/equipment/>,
- Opportunity to actively participate at the FunGlass school (semi-annual out of town 3-day workshop), the ICG Montpellier Summer School and/or international conferences,
- Complementary skills training: Slovak language classes, English competence program, presentation skills, ethical issues, project management, technology transfer.
- Internal grant scheme for PhD Students,
- For selected dissertation topics possibility to earn **double PhD degrees** with international partner institutions.



FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG



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ADMISSIONS REQUIREMENTS

- Min. M.Sc./graduate/Ing. degree in inorganic materials and technology, and material science and engineering; graduates in related fields, such as physical chemistry, chemical physics, inorganic chemistry, organic and organometallic chemistry, analytical chemistry, chemical engineering, biochemistry, physics, and theoretical chemistry, with a desire for independent laboratory work are also eligible.
- English language proficiency skills.
- Aspirations to excel and ability to focus on solving scientific problems.
- Team player attitude and high cultural awareness.
- Timely submission of application package.

For more information regarding thesis topics for the upcoming academic year, the application and deadlines, please, follow <https://www.funglass.eu/study-programs/basic-info/>

or refer to **Ms. Daniela Vavrová**, PhD Study Advisor
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PhD program

INORGANIC
TECHNOLOGIES
AND NON-METALLIC
MATERIALS



Alexander Dubček University of Trenčín, Slovakia

Philosophiae doctor (PhD)

full-time 4 years
of study

Graduates of the PhD study program in the field of Inorganic Technology and Non-Metallic Materials gain deep knowledge on the scientific method of research related to the preparation of new types of non-metallic inorganic materials, with a special focus on glass, ceramics, and surface modification of a broad range of various materials, including biomaterials. Graduates are able to solve problems related to inorganic technologies, and the development and characterization of new materials. They have special knowledge in the field of glass, inorganic binders, ceramic and refractory materials and inorganic additives. They have deep theoretical knowledge in



the field of thermodynamics and kinetics and are capable of solving challenging engineering problems. Graduates understand methods of studying structures as well as material characteristics. They are able to work actively in teams, plan their own development within their research field and execute project management. The knowledge gained represents an excellent basis for obtaining a job either in academics or industrial research and development.

See what Departments our Scientific Board Members supervise

Prof. Dušan Galusek, *Director of FunGlass, Alexander Dubček University of Trenčín, Slovakia*
Supervises the scientific agenda of the FunGlass Department of Vitrum Laugaricio and Department of Central laboratories.

Prof. Dr.-Ing. habil. Aldo R. Boccaccini, *Head of the Institute of Biomaterials, Fridrich-Alexander University of Erlangen, Germany*

Supervises the scientific agenda of the FunGlass Department of Biomaterials.

Prof. Dr. Lothar Wondraczek, *Chair of Glass Chemistry - Laboratory of Glass Science, Otto Schott Institute of Materials Research, University of Jena, Germany*

Supervises the scientific agenda of the FunGlass Department of Functional Materials.

Prof. Dr. Alicia Durán, *Head of the GlaSS Research Group of the Ceramic and Glass Institute, Spain*

Supervises the scientific agenda of the FunGlass Department of Coating Technologies.

Prof. Enrico Bernardo, *Associate Professor of Materials Science and Technology at Department of Industrial Engineering, University of Padova, Italy*

Supervises the scientific agenda of the FunGlass Department of Glass Processing.

Hear what our doctorate students say about their experience at FunGlass

Alena, Belarus

"What really motivates me is the opportunity to conduct my research and studies in two partnering institutions simultaneously.....I have access to international know-how, high-end laboratories and expertise with top research institutions in Europe the atmosphere at FunGlass is really friendly..... we provide support to each other and our research topics feel very meaningful..... "

Fatih, Turkey

"I learned about FunGlass from Dr. Klaus Bange at one of the ICG events.... I did a little bit of research about the project, and when I recognized other names, such as Prof. Boccaccini and Prof. Durán, I decided to apply immediately..."

Ola, Poland

"The lab equipment is at high level offering a lot of opportunities for personal and scientific development..... Although Trenčín is a small city, it is very charming!..... The international aspect of working here allows you to exchange knowledge and ideas from different points of view..."

Bruno, France

"I decided to join FunGlass when a position matching my interests in sustainable energy showed up.....Working with people from all around the world, as well as having the opportunity to spend a year in a partner university in Europe, caused me to apply.....The welcoming environment once here made me stay."

Nibu, India

"I learned about FunGlass when I was browsing the Internet and I do not regret it! colleagues are helpful facilities and equipment are great..... both my wife and I enjoy living here - we like Trenčín, Slovakia and its people..... the country is beautiful and safe..... One has to come and see for himself..."