



Regina Nóra Fiam

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ABOUT ME

Physicist and biotechnologist, an open-minded explorer driven by a desire to achieve great things. Disciplined, hardworking, and constantly in pursuit of deeper meaning and lifelong learning.

WORK EXPERIENCE

Eötvös Loránd University Department of Physics of Complex Systems – Budapest, Hungary

City: Budapest | Country: Hungary

Student Researcher

[05/2022 – Current]

Specializing in NGS data processing, bioinformatics analysis, tumorgenomics, and biomarker research.

Ericsson – Budapest, Hungary

City: Budapest | Country: Hungary

Student Researcher

[01/09/2025 – Current]

Neuromorphic computing and brain-inspired architecture research

EDUCATION AND TRAINING

B.Sc. in Physics/Biophysics

Eötvös Loránd University, Budapest [01/09/2020 – 06/2023]

City: Budapest | Country: Hungary | Website: <https://ttk.elte.hu/> | Level in EQF: EQF level 6

M.Sc. in Biotechnology

Eötvös Loránd University [09/2023 – 06/2025]

City: Budapest | Country: Hungary | Website: <https://ttk.elte.hu/> | Level in EQF: EQF level 7

Erasmus scholarship

Alma Mater Studiorum - Università di Bologna [01/09/2024 – Current]

City: Bologna | Country: Italy | Website: <https://www.unibo.it/it>

Cellular and Molecular Neurobiology, Astrobiology, Neurobiotechnology, Blockchain and Cryptocurrencies, Data Mining, Text Mining, and Big Data Analytics, Cancer Biology

Inner member

Saint Ignatius Jesuit College [01/09/2020 – 01/07/2024]

City: Budapest | Country: Hungary | Website: <https://www.szentignac.hu/en/>

PhD, Statistical Physics, Biological Physics and Physics of Quantum Systems

Eötvös Loránd University, Budapest [09/2025]

City: Budapest | Country: Hungary | Level in EQF: EQF level 8

LANGUAGE SKILLS

Mother tongue(s): Hungarian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Italian

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

python / R / linux / Solidity coding

PUBLICATIONS

[2025]

[Polymerase theta expression is correlated with proliferative capacity but not with DNA repair deficiency status in solid tumors](#)

Authors: Sztupinszki, Zsolia, Regina Fiam, Orsolya Pipek, Miklos Diossy, Judit Börcsök, Aurel Prosz, Istvan Csabai, and Zoltan Szallasi

[2024]

[Comparing full variation profile analysis with the conventional consensus method in SARS-CoV-2 phylogeny](#)

Fiam Regina Nóra, Solymosi Norbert, Csabai István

[2023]

[Porcine cytomegalovirus detection by nanopore-based metagenomic sequencing in a Hungarian pig farm](#)

Fiam Regina Nóra, Solymosi Norbert, Csabai István et al.

NETWORKS AND MEMBERSHIPS

[01/09/2020 – 01/07/2024] Budapest

Collegiate Scholar, Szent Ignác Jesuit College <https://www.szentignac.hu/>

DRIVING LICENCE

Driving Licence: B

HONOURS AND AWARDS

[01/12/2023] Ministry of Interior Scientific Council, Hungary

Third place in "The potentials and security concerns of ChatGPT and other large language models" contest <https://palyazat.bm-tt.hu/content/generativ-mi-modellek-potencial-es-veszely-nemzetbiztonsagi-alkalmazasokban>

KDP scholarship 2025-2029

HOBBIES AND INTERESTS

swimming, watching documentaries and podcasts