

Adrian Mykhnych

Nationality: Ukrainian | **Email address:** amykhnych@gmail.com

● ABOUT ME

A young, assertive scientist trying to make a change in the world. My incessant search for truth led me to believe that we can make the world a better place via scientific discoveries. Being able to contribute using my knowledge and investigational skills shall be the greatest reward I may ever wish for.

● EDUCATION AND TRAINING

08/24/2025 – 05/08/2026 Philadelphia, United States
BACHELOR OF SCIENCE Temple University

Majored in Biochemistry. Took such upper-level courses as

- Analytical Chemistry
- Molecular Biology
- Genetics
- Cell Structure and Function
- Research Techniques in Biochemistry
- Physical Chemistry
- Multivariable Calculus
- Differential Equations
- Coding in Python
- Crystallography and Diffraction

● WORK EXPERIENCE

PHARMACY TECHNICIAN – RITE AID – Jan 2023 – Jun 2025 – WEST CHESTER, UNITED STATES

Assisting the pharmacist by prescription preparation and helping patients by dispensing medications and maintain their medical records as well as reconstitution of certain formulations. On-site training involved basic pharmacological calculations, drug classification and interactions, and formulation types.

RESEARCHER IN BIOMEDICAL SCIENCE – THE WISTAR INSTITUTE – 05/20/2024 – 08/16/2024 – PHILADELPHIA, UNITED STATES

A cohort of 20 community college students interned full-time aspiring to become researchers in the biomedical field. The data we generated were used as part of a bigger project on testing a [tailored chemotherapy drug for the African-centric S47 variant of TP53](#). Over 12 weeks of vigorous hands-on program we practiced: DNA Sequencing, Plasmid Transformation, Flow Cytometry, Cell Culture, Polymerase Chain Reaction (PCR), qRT-PCR, Western Blotting, BCA Protein Assay, ELISA, Immunocytochemistry, Immunoprecipitation, and genotyping.

UNDERGRADUATE RESEARCH WITH THE BORGUET GROUP – TEMPLE UNIVERISTY – 01/31/2025 – 05/08/2026 – PHILADELPHIA, UNITED STATES

At the Borguet group I developed essential research skills by attending biweekly group meetings, devising my own experiments, and working side by side with many talented researchers from all corners of the globe. I partook in a research project on biomimetic catalysis whose manuscript is in preparation at this moment. I honed such technical skills as ultraviolet-visible (UV-Vis), Fourier-transform infrared (FTIR), Proton Nuclear Magnetic Resonance (H-NMR), and Raman spectroscopies. I also became familiar with using computational and graphing software such as Igor Pro.

● PUBLICATIONS

2026
Biomimetic Catalysis of Carboxylic Ester Bond Hydrolysis by Metal Oxyhydroxides

The manuscript is in preparation as of May 2026

Authors: [Adrian Mykhnych](#), Thanuka Ranatunga (graduate mentor), and [Eric Borguet](#) (research supervisor)

● SKILLS

PCR and RT-qPCR | Western-Blotting | ELISA Assay | ChIP-seq | MNova, ChemDraw, Autodock Tools and Microsoft Office | IR, NMR, UV-Vis | Igor Pro from WaveMetrics | UCSF ChimeraX | Good knowledge in programming in Python | X-ray crystallography (XRD) | Olex2 | enCIFer | APEX3