

FILIP LATKOVIC – CV



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1. OBJECTIVE

Looking for a position where my education and experience would be an asset.

2. PERSONAL DETAILS

- Born 7th October 2003 in Kotor, Montenegro.
 - Serbian and Montenegrin citizenship. Dutch residence permit.
 - Unmarried, no children.
 - From 2004 until January 2021, lived in Dubai, United Arab Emirates.
 - Lived in Oslo, Norway from January 2021 until September 2021.
 - Lived in Bremen, Germany from September 2021 until February 2022.
- Currently living in The Hague, Netherlands, since February 2022.

3. EDUCATION

- Raffles World Academy (RWA), Dubai, UAE - Class of 2021
- Medicinal Chemistry and Chemical Biology (MCCB) student at Jacobs University - Bremen (2021-2022), having received a €5,000 euro merit-based scholarship based on my prior research projects and experiences.
- Completed three MOOC courses via edx.org: a course on molecular cytology offered by HarvardX in the summer of 2018 (MCB 64.1x), another HarvardX course which was one full university semester on biochemistry in 2020 (MCB 63x), and a Tel Aviv University-based course on virology and immunology in the winter of 2018 (Virus101x).
- Started a course in advanced organic chemistry from University of California Irvine in December of 2020 (consisting of bicyclic, polycyclic, and spirocyclic compounds).
- On September 30th, 2022, I was licensed by TU Delft after taking a course to work with radionuclides in a class D radiation laboratory.
 - Studied B.Sc. Open Degree (Chemistry and Philosophy) at The Open University (February - September 2023)
 - Completed the Neuroscience Education Institute's (NEI's) "Master

Psychopharmacology Program” in October of 2023 for continuing education/continuing medical education (CE/CME) credits.

4. WORK EXPERIENCE AND CAREER DETAILS

- I have conducted microscopy-related work on parasites, bacteria, and tissue samples in the year 2015.
- I have done research analysis on NatA and NatB acetyltransferases, and the N-acetylation of proteins and how it influences protein folding in 2016.
- I have become proficient in Mandarin Chinese, having started to learn it in 2016 - I am currently up to the HSK3 workbook level, and have a conversational knowledge of Japanese, amongst introductory knowledge of numerous other languages.
- Over the years I have been impassioned to pursue this field, I have tutored IB-DP and AP Biology students after school times concerning topics such as molecular biology and biochemistry; in addition to this, I have held several lectures on subjects within my field inclusive of microbiology, biochemistry, and structural virology.
- I have worked on isolating T4 bacteriophages from soil and examining their effects on E. coli bacteria in 2019.
- I have experience isolating E. coli samples using MacConkey agar from stool samples and for the purpose of culturing the isolated bacteria for experimental purposes.
- My MYP internship (2019) was completed at Dubai International Academy as a laboratory technician under the discretion of lead technician Ms. Grace Swing, and Ms. Carolyn Mendoza.
- In 2020, I spearheaded a research project for a New York Academy of Sciences-based challenge called “Combating COVID-19” alongside two of my partners. Our research paper was titled “The Inhibition of the S2 Fusion Protein by Aspartate-Glutamate Oligopeptides”.
- In 2020 likewise, I became a member of the ‘Junior Academy’ - the youth branch of the New York Academy of Sciences - and was consequently awarded the ‘Young Member of the NYAS’ badge.
- I have worked with uranium ore in 2020, examining the photoelectric effect of UVA light on it, and have also worked strontium-90, cobalt-60, and polonium-210 samples, aiming to examine their effect on the ion dissociation constant for water (K_w) under standard conditions
- Starting in March of 2021, I have worked as an online medicinal chemistry, biochemistry, and virology tutor via the Norwegian branch of the tutoring agency ‘Superprof’. My students included first-year medical and pre-medical school students.
- I have filed a patent application for the aspartate-glutamate oligopeptide drug created with the Norwegian Industrial Property Organization (NIPO) and World Intellectual Property Organization (WIPO) in July of 2021.
- In January of 2022, a company by the name of Benzenoplex BV was formed in the Netherlands by my father and myself.
- In May of 2022, I started the synthesis on a novel anticancer drug concept, working on synthesizing the organic backbone of the drug in liaison with Spark904 BV of the University of Amsterdam as the lead researcher of Benzenoplex BV. This research was done alongside Luka Novković, M.Sc., an organic chemist from the University of Belgrade. The drug is combining an

intercalating agent with targeted radionuclide therapy.

- Whilst at the synthetic organic chemistry laboratory at Spark904, I commenced work on a side project, wherein I synthesized a safranal-derived D3 dopamine receptor agonist, with a docking score of -10.3 in the most optimal docking configuration.
- I conceptualized a novel anti-rabies p75NTR covalent inhibitor that would render viral trafficking of the rabies virus between neurons via synapses futile, thereby giving the victim's immune system enough time to clear the virus. The inhibitor works on the principle of SN2 mechanism by dint of the cysteine-thiolate groups on the four cysteine-rich domains (CRD1, CRD2, CRD3, CRD4) of the extracellular region of p75NTR.
- I have a medium.com page where I post my essays on philosophy, such as [A Hegelian Critique of Fukuyama's "The End of History and the Last Man"](#), and am in the process of writing a phenomenological/psychoanalytic book titled *"The Rational Time-bomb: Lacan with Qualia"*.

5. SKILLS

- Computer literate (MS Office – Word, Excel, PowerPoint)
- Very good communication and negotiation skills
- Strong organisational and interpersonal skills
- Analytical thinking , self-motivated
- Good in creativity , adaptability, problem solving,
- Very confident , can do attitude
- People-oriented mindset
- Good problem solving skills with ability to work independently as well as in close collaboration with the team
- Stress resistant and result oriented
- Organic synthesis of chemical compounds.
- Languages : English, Serbian, Mandarin Chinese, Japanese, Arabic

6. INTERESTS

Sports, science, economics, philosophy, languages