

# CURRICULUM VITAE

## Personal data

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## Education

**2015-2017** **PhD studies in Biochemistry and Molecular Biomedicine**  
Institute of Molecular Bioscience, University of Graz, Austria  
**2010-2013** **Master studies in Biochemistry and Molecular Biomedicine**  
Institute of Biochemistry, Graz University of Technology, Austria  
**2006-2010** **Bachelor studies in Chemistry**  
Graz University of Technology, Austria

## Work Experience

**2024-date** Acting Dean of Faculty of Engineering and Natural Sciences, IUS  
**2023-date** Associate Professor at International University Sarajevo, Sarajevo, B&H  
**2018-2023** Assistant Professor at International University of Sarajevo, Sarajevo, B&H  
**2015-2017** PhD thesis at Institute of Molecular Biosciences Graz, University of Graz  
**2013-2014** ACIB GmbH-Austrian Center of Industrial Biotechnology, Graz  
**2011** Institute of Pathology, St. Leonhard hospital, Graz  
**2010-2012** Institute of Molecular Biotechnology, Graz University of Technology

## Additional qualifications

**Language skills** Bosnian (native), English (C2), German (C2), Russian (B2), Spanish (A2)  
**Industry skills** Quality assurance in Pharmaceutical, Biotechnology and Food Industry  
Property rights and patents  
Strategic management  
Business administration: Corporate leadership and entrepreneurship  
International diploma in project management (Level 4)

## Publications

- Alaa A.A. Aljabali, Murtaza M. Tambuwala, Mohamed El-Tanani, Sk. Sarif Hassan, Kenneth Lundstrom, Vijay Mishra, Yachana Mishra, Altijana Hromić-Jahjefendić, Elrashdy M. Redwan, Vladimir N. Uversky, A comprehensive review of PRAME and BAP1 in melanoma: Genomic instability and immunotherapy targets, Cellular Signalling, Volume 124, 2024,
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- Golzardi, M.; Hromić-Jahjefendić, A.; Šutković, J.; Aydin, O.; Ünal-Aydın, P.; Bećirević, T.; Redwan, E.M.; Rubio-Casillas, A.; Uversky, V.N. The Aftermath of COVID-19: Exploring the Long-Term Effects on Organ Systems. *Biomedicines* 2024
- Seyed Hossein Shahcheraghi, Maliheh Alimardani, Malihe Lotfi, Marzieh Lotfi, Vladimir N. Uversky, Stephanie Tamdem Guetchueng, Sushesh Srivatsa Palakurthi, Nitin B. Charbe, Altijana Hromić-Jahjefendić, Alaa A.A. Aljabali, Manoj M. Gadewar, Sumira Malik, Rohit Goyal, Mohamed El-Tanani, Vijay Mishra, Yachana Mishra, Murtaza M. Tambuwala, Advances in glioblastoma multiforme: Integrating therapy and pathology perspectives, *Pathology - Research and Practice*, Volume 257, 2024

7. Seyed Hossein Shahcheraghi, Elmira Roshani Asl, Malihe Lotfi, Jamshid Ayatollahi, Seyed Hossein Khaleghinejad, Alaa A. Aljabali, Hamid A. Bakshi, Mohamed El-Tanani, Nitin Charbe, Ángel Serrano-Aroca, Vijay Mishra, Yachana Mishra, Rohit Goyal, Altijana Hromić-Jahjefendić, Vladimir N. Uversky\*, Marzieh Lotfi and Murtaza M. Tambuwala: "Non-coding RNAs as Key Regulators of the Notch Signaling Pathway in Glioblastoma: Diagnostic, Prognostic, and Therapeutic Targets", *CNS & Neurological Disorders - Drug Targets*, 2024
8. Mohamed El-Tanani, Hamdi Nsairat, Ismail I Matalka, Yin Fai Lee, Manfredi Rizzo, Alaa A Aljabali, Vijay Mishra, Yachana Mishra, Altijana Hromić-Jahjefendić, Murtaza M Tambuwala: "The impact of the BCR-ABL oncogene in the pathology and treatment of chronic myeloid leukemia", *Pathology-Research and Practice*, 2024
9. Sk Sarif Hassan, Tanishta Bhattacharya, Debaleena Nawn, Ishana Jha, Pallab Basu, Elrashdy M Redwan, Kenneth Lundstrom, Debmalya Barh, Bruno Silva Andrade, Murtaza M Tambuwala, Alaa A Aljabali, Altijana Hromić-Jahjefendić, Wagner Baetas-da-Cruz, Ángel Serrano-Aroca, Vladimir N Uversky: "SARS-CoV-2 NSP14 governs mutational instability and assists in making new SARS-CoV-2 variants", *Computers in Biology and Medicine*, 2024
10. Berina Muhović, Nadia Islam, Murtaza M Tambuwala, Altijana Hromić-Jahjefendić: "Characterizing Lactic Acid Bacteria and Thermotolerant Coliforms in Spoiled Dairy Products from Bosnia and Herzegovina", *Journal of Medical Microbiology and Infectious Diseases*, 2023
11. Altijana Hromić-Jahjefendić, Kenneth Lundstrom, Muhamed Adilović, Alaa AA Aljabali, Murtaza M Tambuwala, Ángel Serrano-Aroca, Vladimir N Uversky: "Autoimmune response after SARS-CoV-2 infection and SARS-CoV-2 vaccines", *Autoimmunity Reviews*, 2023
12. Yachana Mishra, Abhigyan Ranjan, Vijay Mishra, Aditi Chattaraj, Alaa AA Aljabali, Mohamed El-Tanani, Altijana Hromić-Jahjefendić, Vladimir N Uversky, Murtaza M Tambuwala: "The role of the gut microbiome in gastrointestinal cancers", *Cellular Signalling*, 2023
13. Elma Pašalić, Murtaza M. Tambuwala and Altijana Hromić-Jahjefendić: "Endometriosis: Classification, pathophysiology, and treatment options", *Pathology-Research and Practice*, 2023
14. Esma Bilajac, Una Glamočlija, Amar Osmanović, Lejla Mahmutović, Abas Sezer, Sunčica Roca, Selma Špirtović-Halilović, Mirsada Salihović, Altijana Hromić-Jahjefendić, Elma Veljović: "Analysis of Antitumor Potential of Xanthene Compounds in Lymphoma Cells", *Croatica Chemica Acta*, 2023
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18. Esma Bilajac, Lejla Mahmutović, Una Glamočlija, Amar Osmanović, Altijana Hromić-Jahjefendić, Murtaza M. Tambuwala, Mirza Suljagić: "Curcumin Decreases Viability and Inhibits Proliferation of Imatinib-Sensitive and Imatinib-Resistant Chronic Myeloid Leukemia Cell Lines", *Metabolites*, 2022
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20. Kenneth Lundstrom, Altijana Hromić-Jahjefendić, Esma Bilajac, Alaa AA Aljabali, Katarina Baralić, Nagwa A Sabri, Eslam M Shehata, Mohamed Raslan, Ana Cláudia BH Ferreira, Ángel Serrano-Aroca, Murtaza M Tambuwala, Vladimir N Uversky, Vasco Azevedo, Khalid J Alzahrani, Khalaf F Alsharif, Ibrahim F Halawani, Fuad M Alzahrani, Debmalya Barh: "COVID-19 Signalome: Pathways for SARS-CoV-2 infection and impact on COVID-19 associated comorbidity", *Cellular Signalling*, 2022
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30. Lejla-Nur Smajlovic and Altijana Hromic-Jahjefendic: "Genomic Alterations Of KRAS And NRAS In B&H Colorectal And Non-Small Cell Lung Cancer Patients" *IFMBE Springer Proceedings*, 2021
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32. Elle Vardic-Kajtažovic and Altijana Hromic-Jahjefendić: "Determination of C-reactive protein concentration by the turbidimetric method in diagnostics of viral and bacterial infections", *Periodicals of Engineering and Natural Sciences*, 2020
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34. Altijana Hromic-Jahjefendić and Kenneth Lundström: "Viral Vector-based Melanoma Gene Therapy", *Biomedicines*, 2020
35. Emilia Strandback, Wolf-Dieter Lienhart, Altijana Hromic-Jahjefendić, Luka Brvar, Benjamin Bourgeois, Anja Högler, Daniel Waltenstorfer, Andreas Winkler, Klaus Zangger, Tobias Madl, Ellen Heitzer, Beate Rinner, Karl Gruber, Peter Macheroux: "A small molecule chaperone rescues the stability and activity of a cancer-associated variant of NAD(P)H:quinone oxidoreductase 1 in vitro", *FEBS Letters*, 2019
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44. Matthias Engleder\*, Tea Pavkov-Keller\*, Anita Emmerstorfer\*, Altijana Hromic\*, Sabine Schrempf, Georg Steinkellner, Tamara Wriessnegger, Erich Leitner, Gernot A. Strohmeier, Iwona Kaluzna, Daniel Mink, Martin Schürmann, Silvia Wallner, Peter Macheroux, Karl Gruber, and Harald Pichler: "Structure-based mechanism of oleate hydratase from *Elizabethkingia meningoseptica*", *ChemBioChem*, 2015
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