

Curriculum vitae

Name Ladislav Prener
Work address IOCB Prague, Flemingovo nám. 2, Prague 6, 160 00, Czech Republic
Contact ladislav.prener@uochb.cas.cz

EDUCATION

2021-present **Ph.D. In Organic Chemistry (in prog.), UCT Prague/IOCB Prague**
Advisor: Dr. habil. Ullrich Jahn, Ph.D.
Topic: *Total syntheses of massadine and pyrazinoquinazoline alkaloids*

2019-2021 **MSc. In Organic Chemistry, UCT Prague, Summa Cum Laude**
Advisor: Dr. habil. Ullrich Jahn, Ph.D.
Topic: *Synthetic studies toward massadine*

2017-2019 **B.S. in Chemistry, UCT Prague, Summa Cum Laude**
Advisor: Zlatko Janeba, Ph.D., Ondřej Kunderát, Ph.D.
Topic: *Design and synthesis of novel type of NNRTIs with bicyclic core*

RESEARCH AND TEACHING EXPERIENCE

2019-present **RESEARCH:** IOCB Prague, Chemistry of Natural Products
Topics: *Enolate chemistry, Dipolar cycloadditions, Total syntheses of massadine and pyrazinoquinazoline alkaloids*

2023-present **RESEARCH and TEACHING:** UCT Prague and IOCB Prague
Advisor and author of research proposal for an intership student
Topic: *Total synthesis of nagelamide Q*

2020 **RESEARCH:** Charles University Prague, Medicinal Chemistry & Drug Delivery
Topic: *Voriconazole prodrugs with self-immolative linkers*

2017-2019 **RESEARCH:** IOCB Prague, Medicinal Chemistry of Nucleotide Analogues
Topics: *Novel NNRTIs with bicyclic cores, Acyclic nucleoside phosphonates*

2016-present **TEACHING:** Coauthor of Chemiklání

SCIENTIFIC PRESENTATIONS

2022 22nd Tetrahedron Symposium for a Sustainable World, Lisbon, Portugal
Topic: *Towards the synthesis of complex pyrazinoquinazoline alkaloids*, poster

2022 Bayreuth Natural Products and Drugs Symposium, Bayreuth, Germany
Topic: *Towards the synthesis of massadine*, poster

2022 XXI. Interdisciplinary Meeting of Young Life Scientists, Milovy, Czech Republic
Topic: *Towards the synthesis of massadine*, lecture

2021-2023 Advances in Organic, Bioorganic and Pharmaceutical Chemistry, Czech Republic
Topic: *Towards the synthesis of massadine*, lecture, poster, regular attendee

2019 32nd International Conference on Antiviral Research, Baltimore MD, USA
Topic: *Novel NNRTIs with Bicyclic Cores*, poster

PUBLICATIONS

2023 Prener, L., Baszczyński, O., Kaiser, M. M., Dračínský, M., Stepan, G., Lee, Y.-J., Brumshtein, B., Yu, H., Jansa, P., Lansdon, E. B., and Janeba Z. "Design and Synthesis of Novel HIV-1 NNRTIs with Bicyclic Cores and with Improved Physicochemical Properties." *Journal of Medicinal Chemistry* **2023**, 66 (3), 1761-1777.

RESEARCH INTERESTS

Enolate chemistry, dipolar cycloadditions, stereoselective synthesis, symmetry-guided synthesis, heterocyclic chemistry, tandem processes, pyrrole-imidazole alkaloids, pyrazinoquinazoline alkaloids