

Charles Tapley Hoyt, Ph.D.

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Interests

Systems and Networks Biology, Cheminformatics, Machine Learning, Knowledge Graphs, Network Representation Learning, Proteochemometrics, Target Prioritization, Drug Repositioning, Pathway Analysis

Work

- 2020– **Computational Scientist**, *Enveda Therapeutics*, Bonn, Germany.
- 2018–19 **Lecturer**, *Universität Bonn*, Bonn, Germany.
- 2016–19 **Research Fellow**, *Fraunhofer SCAI*, Sankt Augustin, Germany.
- 2012–15 **Teaching Assistant**, *Northeastern University*, Boston, MA, USA.
- 2014 **in Silico Lead Discovery Co-op**, *Novartis*, Cambridge, MA, USA.
- 2013–14 **Molecular Informatics Internship**, *Pfizer*, Cambridge, MA, USA.
- 2013 **Post-Selection Chemistry Co-op**, *GlaxoSmithKline*, Waltham, MA, USA.
- 2012 **Research Assistant**, *Pollastri Laboratory*, *Northeastern University*, Boston, MA, USA.

Education

- 2018–19 **Doctor of Philosophy**, *Computational Life Sciences*, *Universität Bonn*, Germany.
- 2015–17 **Master of Science**, *Life Science Informatics*, *Universität Bonn*, Germany.
- 2011–15 **Bachelor of Science**, *Chemistry*, *Northeastern University*, USA.

Affiliations

- 2020– CoronaWhy
- 2017– OpenBEL Consortium
- 2016– Erasmus Student Network
- 2011– American Chemical Society

Spoken Languages

English (Native)
German (Limited working proficiency)

Programming Languages

Python, Bash, Fish, R, Java, SQL, SPARQL, Cypher, Javascript, HTML, CSS, XPath

Projects

PyBEL, *An ecosystem for biological knowledge graphs in BEL.*

<https://github.com/pybel>

Bio2BEL, *Reproducible semantic data integration of biological knowledge graphs.*

<https://github.com/bio2bel>

BEL Commons, *Interactive exploration and analysis of biological knowledge graphs.*

<https://bel-commons.scai.fraunhofer.de>