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

2017–	OpenBEL Consortium
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