Charles Tapley Hoyt

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Interests

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

Education

2017–19	**Doctorate of Philosophy**, *Computational Life Sciences*, Universität Bonn, Germany.
2015–17	**Master's Degree**, *Life Science Informatics*, Universität Bonn, Germany.
2011–15	**Bachelor of Science**, *Chemistry*, Northeastern University, USA.

Work

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.

Affiliations

2017–	OpenBEL Consortium
2017–	International Society for Computational Biology
2011–	American Chemical Society

Spoken Languages

English (Native)

German (Limited working proficiency)

Programming Languages

Python, Shell, 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`