

# 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

## Education

2017–19 **Doctorate 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.

## 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, 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>