

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

- 2021– **Postdoctoral Research Fellow**, *Harvard Medical School*, Boston, MA, USA (remote).
- 2020 **Computational Biologist**, *Enveda Biosciences*, Boulder, CO, USA (remote).
- 2018–19 **Lecturer**, *University of 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*, University of Bonn, Germany.
- 2015–17 **Master of Science**, *Life Science Informatics*, University of Bonn, Germany.
- 2011–15 **Bachelor of Science**, *Chemistry*, Northeastern University, USA.

Affiliations

- 2021– International Society of Biocuration
- 2017– OpenBEL Consortium
- 2011– American Chemical Society
- 2020 CoronaWhy

Spoken Languages

English (Native), German (Limited working proficiency)

Programming Languages

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

Projects

- Bioregistry**, *An integrative registry of biological databases, ontologies, and nomenclatures.*
<https://github.com/biopragmatics/bioregistry>
- PyBEL**, *An ecosystem for biological knowledge graphs in BEL.*
<https://github.com/pybel>
- PyKEEN**, *Learning, evaluation and applications of knowledge graph embeddings.*
<https://github.com/pykeen/pykeen/>