

# Charles Tapley Hoyt

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## Interests

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

## Education

- 2017–19 **Doctorate of Philosophy**, *Computational Life Sciences*, Universität Bonn, Bonn, Germany.
- 2015–17 **Master's Degree**, *Life Science Informatics*, Universität Bonn, Bonn, Germany.
- 2011–15 **Bachelor of Science**, *Chemistry*, Northeastern University, Boston, MA, USA.
- 2007–11 **Diploma**, North Haven High School, North Haven, CT, USA.

## Work

- 2018– **Lecturer**, *Universität Bonn*, Bonn, Germany.
- 2016– **Research Fellow**, *Fraunhofer Institute for Algorithms and Scientific Computing*, Sankt Augustin, Germany.
- 2012–15 **Teaching Assistant**, *Northeastern University*, Boston, MA, USA.
- 2014 ***in silico* Lead Discovery Co-op**, *Novartis Institutes for BioMedical Research*, 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 for Neglected Disease Drug Discovery*, *Northeastern University*, Boston, MA, USA.

## Affiliations

- 2017– International Society for Computational Biology
- 2011– American Chemical Society

## 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>

**The Human Brain Pharmacome Project**, *Mechanism-driven cheminformatics*.

<https://pharmacome.scai.fraunhofer.de>

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