

# Charles Tapley Hoyt, Ph.D. - Funding

1. **Advancing Data Integration and Discovery in Biomedicine with the Bioregistry**  
Chan Zuckerberg Initiative (CZI), (2023-329850), \$250K overall, 2023-2025 (24 months), Grant: 2023-329850  
PI: Benjamin M. Gyor  
Role: Key person. Co-wrote proposal, responsible for design and implementation of research plan.
2. (past) **Rapid Assessment of Platform Technologies to Expedite Response**  
Defense Threat Reduction Agency (DTRA), (FP00012844), \$623K (subcontract) / \$15M overall, 2022-2024 (18 months), Grant: HDTRA1242031  
PI: Benjamin M. Gyor  
Role: Participant. Co-wrote proposal with PNNL collaborators. Responsible for design and implementation of research plan. Lead developer of semantic and analytical technologies. Note: left position before project completion.
3. (past) **MIRA: Modeling with an Intelligent Reasoning Assistant**  
DARPA ASKEM Program, (HR00112220036), \$2.1M, 2022-2026 (42 months)  
PI: Benjamin M. Gyor  
Role: Participant. Note: left position before project completion.
4. (past) **Young Faculty Award / DARPA Director's Fellowship Award**  
DARPA, (W911NF2010255), \$750K, 2020-2023 (36 months)  
PI: Benjamin M. Gyor  
Role: Participant
5. (past) **Ecosystem of Machine-maintained Models with Automated Assembly**  
DARPA Automating Scientific Knowledge Extraction (ASKE) / Artificial Intelligence Exploration (AIE) program, (HR00111990009), \$2M, 2018-2020 (18 months + extension)  
PI: Benjamin M. Gyor  
Role: Participant. Note: Joined in 2021
6. (past) **Interdisciplinary Research Award**  
Fraunhofer Center for Machine Learning, (Internal), \$40K 2019 (3 months)  
PI: Martin Hofmann-Apitius  
Role: Key person. Co-wrote proposal. Responsible for design and implementation of research plan including applications of PyKEEN in biomedicine.
7. (past) **Fraunhofer Service Contract**  
Philip Morris International, (Contract), €80K 2019-2020 (4 months)  
PI: Martin Hofmann-Apitius  
Role: Key Person. Co-responsible for design and implementation of visual analytics software for the Biological Expression Language.
8. (past) **Human Brain Pharmacome**  
Fraunhofer, under the MAVO Scheme, 2018-2021 (4 years)  
PI: Martin Hofmann-Apitius  
Role: Participant. Lead project on Fraunhofer SCAI team. Note: left position before project completion.
9. (past) **PYBEL2NDEX**  
University of California, San Diego, (Contract), \$28K 2018 (6 months)  
PI: Martin Hofmann-Apitius  
Role: Key person. Wrote proposal. Responsible for design and implementation of research plan for implementing interoperability between PyBEL and NDEx.
10. (past) **AETIONOMY**  
European Union (EU), European Federation of Pharmaceutical Industries and Associations (EFPIA), and Innovative Health Initiative (IMI), (115568), €17.8M 2014-2018 (4 years)  
PI: Martin Hofmann-Apitius  
Role: Participant. Note: Joined in 2016.