

# Drexel Site Update

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# CURRENT IAB MEMBERS

- 3 IAB members
  - GlaxoSmithKline (GSK)
  - Becton Dickinson (BD)
  - Cancer Treatment Centers of America (CTCA)
- 4 Projects
- Funding from and project for HeavyWater fell through



# CURRENT PROJECTS (4)

- 7a.004.DU - Large-Scale Probabilistic Anomaly Detection from Text and Its Application to Medical Records (GSK)
- 7a.007.DU – Novel Methods for Data Integration and Information Extraction over Complex Heterogeneous Data (GSK)
- 7a.016.DU - A Continual Learning Framework for Domain Adaptation and Provenance Tracking (BD)
- 7a.019.DU - Image Informatics for the Characterization of Molecular Subtypes in Breast Carcinoma Tissue (CTCA)

# PUBLICATIONS & PATENTS

- M.D. Zarella, M.R. Quaschnick, D.E. Breen, and F.U. Garcia, “Estimation of Fine-Scale Histologic Features at Low Magnification,” *Archives of Pathology & Laboratory Medicine*, in press, published online June 2018.
- Bo Song, Jianliang Gao, Hongliang Du, Zheng Chen, and Xiaohua Hu. "Aligning Multiple PPI Networks with Representation Learning on Networks," In *Proc. IEEE International Conference on Bioinformatics and Biomedicine*, 2018.
- Jianliang Gao, Bo Song, Xiaohua Hu, Fengxia Yan, and Jianxin Wang. "ConnectedAlign: a PPI network alignment method for identifying conserved protein complexes across multiple species," *BMC Bioinformatics*, Vol. 19, No. 9, p. 12, 2018.
- Zhengqiao Zhao and Gail Rosen, “Multi-temporal Information Object Incremental Learning Software System,” Patent # US15910845, 3/2018.



# FUTURE FUNDING

- Renewals from GSK, BD and CTCA are currently uncertain
- Efforts are underway to acquire new Drexel IAB members
  - Children's Hospital of Philadelphia
  - Elsevier
  - Springer