Technology Now
Timely Topics for Academic Medical Centers
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Research Networking (systems that manage rich faculty profiles of interests and accomplishments to support collaboration, business intelligence, and administrative uses)

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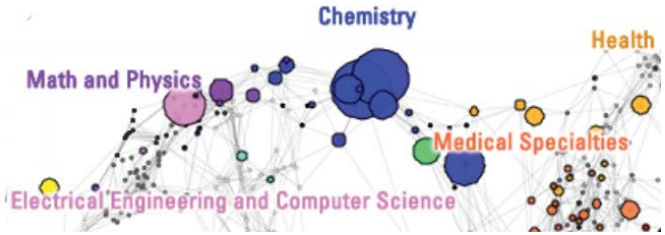
Technology	Use Cases	Opportunities / Threats	Strategic Considerations	Resource Links
There are 4 technology components: • A controlled vocabulary (eg., the VIVO Ontology) for data interoperability • An architecture for data integration and sharing (Linked Open Data) • Applications for collaboration, funding, business intelligence, or administration • Rich faculty profile data of publications, grants, classes, affiliations, interests, etc. Repositories of profile data need to talk to institutional systems like faculty directories.	For Investigators: Discover potential collaborators More rapidly and competitively form teams Identify targeted grant opportunities Create digital vitae For Administrators: Better data for Institutional business intelligence Better assess performance for annual reviews Recruit new faculty and attract students For Researchers: Study networks of science teams to improve research effectiveness	Opportunities: Supports innovative team building approaches Provides richer data for comparative institutional studies Potential for national networks of collaborative research Threats: Some desired data are private (eg., award amounts) or restricted (eg., FERPA) Requires negotiation between research and administrative efforts Efforts threaten established networks of research influence	Consider: Leveraging existing institutional efforts for research networking and annual faculty review Understanding institutional culture and policy for faculty information sharing Making the technology investments to develop the required new capabilities. Identifying sources of available high quality profile data (institutional, corporate, federal, Linked Open Data cloud) Can you: Use existing research or administrative initiatives and workflows that manage profile data? Overcome institutional cultures that may not prevent data use for research networking? Bring together (typically) multiple initiatives that manage faculty profile data in a sustainable institutional strategy?	CTSA Central Recommendations and Best Practices for Research Networking VIVO Wikipedia Page: Comparison of Research Networking Tools and Research Profiling Systems Direct2Experts national CTSA research networking pilot

Example Implementations

VIVO at U. Florida, Cornell U., Indiana U., Washington U., Weill Cornell Medical College (and others); **Loki** at U. Iowa; **Profiles** at Harvard U., UCSF, U. of Minnesota, Wake Forest, Health Sciences South Carolina (and others); **Community Academic Profiles** at Stanford U.; **SciVal** at Northwestern U., U. Michigan, MD Anderson Cancer Center, REACH NC (North Carolina), U. Maryland (and others)

Many other tools exist as well (see Wikipedia page at right)

Note: currently only VIVO, Profiles, and Loki fully support standardized public linked open data.



(VIVO example)

Much of the impetus for Research Networking comes from the CTSA Program, particularly the Research Networking Affinity group and the VIVO program, funded by NCRR (now NCATS).