SciVal Experts & SciVal Funding Information Sessions
Topics to Cover

1. **What is SciVal Experts?**
   - Who is included in SciVal Experts?
   - What are Profiles?
   - How are Profiles generated?

2. **How can SciVal Experts be used?**
   - Identification of expertise of faculty and trends in expertise
   - Identification of potential collaborators - on campus and elsewhere
   - Identification of collaborative networks

3. **Implementation of SciVal Experts**
   - Departments presented on the public website
   - Identifying and correcting errors in data presented

4. **SciVal Funding**
   - Using the system for finding funding
   - Connecting your Profile to funding opportunities

5. **Next Steps**
   - Planned upgrades of system
   - Additional information about the systems – FAQs and online tutorials
• Public web site to identify the scholarly expertise of the UTSW research community
• Home Page lists Departments
• Presents a profile (fingerprint) of included faculty
  - identifying areas of expertise and trends in expertise
  - listing publications
  - identifying similar experts
  - identifying coauthors/collaborators/networks
Who is included in SciVal Experts

- Includes all research faculty in HRMS database above the level of Instructor.
- Faculty listing is updated four times a year.
- Faculty with multiple appointments are listed under each Department for which they have an affiliation.
- Departments may not be shown on the public site based on low publication coverage by Scopus.
- Faculty who have no profiles (no publications in Scopus database) will still be listed in Departments that are included in the public website as follows:

  The system could not generate a fingerprint based on the current data for this SciVal Expert. No publications have been identified using Scopus. This can mean several things - the faculty member may be publishing in journals not covered by Scopus, this may be a faculty member whose professional accomplishments are focused outside the realm of journal publications.
What are Profiles and how are they generated

Profiles present the expertise based on publications found for a particular researcher in the Scopus database.

- Disambiguation process
- Look for specific “concept” words in publications’ titles and abstracts
- Frequency of use of words used to identify “depth” of expertise
- For the top concepts of a researcher – trends are mapped over time.
How SciVal disambiguates authors and publications

- **Automatic process** – algorithm groups authors by key metadata: name, location, journal, topics, co-authors, etc.
- **Manual process** – Elsevier verifies automatic groupings
- Aim is for a **maximization of precision** (accurately matched publications) with a **high level of recall** (breadth of publications returned)
How does the SciVal Fingerprint Engine work?

1. Mine Text
2. Identify Concepts
3. Create Document Fingerprint

- MeSH
- Compendex
- GeoTree
- GESIS
- and more

Disorders
- Uterine Cervical Neoplasms
- Neoplasms
- Breast Neoplasms

Chemicals & Drugs
- Biological Tumor Markers
- Papillomavirus Vaccines
- Aspirin
Creating a researcher’s Fingerprint

Generate a researcher’s unique Fingerprint by aggregating the Fingerprints of each of their publication abstracts.

Profile: Ruffin, Mack T

Disorders
- Alzheimer Disease
- Senile Plaques
- Dementia, Vascular

Chemicals and Drugs
- Memantine
- Neurotransmitters
- Alzheimer Vaccines

Based on:
- Combined Profile
- Publications
- Grants

- Case-Control Studies
- Medical Audit
- Hemography
- Routine Diagnostic Tests
- Clinical Protocols
- Vaccination
- Nutritional
- Amino Acid
- Nondrug Therapy
Fingerprints can be aggregated at various levels

Aggregating researchers’ Fingerprints across organizational units allows for the institution to know what individuals know and what Departments know...

- What new publications and grants have been produced?
- What trends have emerged over time?
- Who is working together?
- With what other organizations (internal and external) are we collaborating?
- What do we know?
How can SciVal Experts be used?

• This is NOT a system of record – likely not to include all publications of researchers.

• Only publications in Scopus are used to create profiles. This database does NOT include books.

• It can be used to identify the expertise of faculty who have most of their publications in the database.

• It can be used to identify potential collaborators. This includes researchers at UTSW and at a number of other institutions.

• It can be used to identify existing collaborative networks.
Implementation of SciVal Experts

• Reviewed profiles of faculty for problems and errors.

• SciVal Experts is now publically available.

• View at:
  http://www.experts.scival.com/utsouthwestern/

• Note the Help and FAQs
Relevant funding opportunities and the right collaborators

**SciVal Experts**  
Directory of research expertise to **identify experts and enable collaboration**

**SciVal Funding**  
Funding intelligence tool providing access to funding opportunities and awarded grants information

- Searchable database of +17,000 active opportunities
- +2.25M awards (back to 2004)
- +3,000 funding bodies including international sponsors

Can be a separate tool or linked to a Faculty Profile

Separate tool:  
http://www.funding.scival.com/home

Linked to Faculty Profile:

- Matches opportunities in SciVal Funding to profiles in SciVal Experts
- Receive **recommendations for funding opportunities**
- Get **suggestions regarding potential collaborators** for grants
- No action required by the user except to “turn it on”
- Administrators can email opportunities to researchers, form research teams and track faculty members’ interest in the recommendations
SciVal Funding – A Searchable Database

• Set up a customized search and save and have funding alerts sent to you of opportunities related to the specific search terms

• Can select recommendations based on Scopus publications

• Can set up an advance search and refine using specific options

• Links to tutorials are provided on the SciVal Funding home page and at: http://trainingdesk.elsevier.com/products/SciVal-Funding
SciVal Funding alerts linked to UTSW Researcher Profile

- E-mail alerts to funding opportunities that match a faculty member’s expertise profile is a feature of this system.

- On the expert overview page – click the “Manage your Funding Opportunities” at the top right corner.

- Login using UTSW ID and Password, select areas of interest and if want e-mails sent and at what frequency.

- Default is that e-mails will not be sent unless the system is activated.

- Can indicate that interested in collaboration to identify potential collaborators.
SciVal Funding Site – Not integrated with SciVal Experts:
http://www.funding.scival.com/home
Next Steps

• Inform the University Community of SciVal Experts and SciVal Funding resources.

• Ask researchers to review profiles for errors and send concerns to: scival@utsouthwestern.edu. A central office will work with SciVal to correct errors.

• Planned upgrades of SciVal Experts – working with SciVal on a process to “load” publications not in Scopus to be added to the profile and used for fingerprinting and augmenting profiles of researchers with low “coverage.”
Questions???

Send email to:

ServiceDesk@utsouthwestern.edu