UNCOVER EMERGING SCIENCE

Connect-the-Dots Solution

SCITECH PATENT ART

Scientists powered by ML & Deep Web tools

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ABOUT SCITECH PATENT ART (SPA)

- Established in 2002…one of India's leading technology intelligence firms for more than 17 years

- Maintaining *confidentiality* is core to our business

- Serve Fortune 500, universities and law firms

- 95+ advanced degree *scientists and technologists*

Our Difference

Human experts powered by data engineering & AI / ML tools

Client advantages: Cost, Turnaround Time & Quality

OUR DIFFERENCE

- Extensive knowledge of databases and data sources

- Deep Web crawling, Big Data and machine learning analytics

DATA ENGINEERING & AI/ML ANALYTICS

TECHNOLOGY DEPTH

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- 95+ analysts in various technical disciplines

- Over 100,000 technical documents (patents, publications, websites,...) analyzed every month

INNOVATION SUPPORT

- Over 17 years experience in supporting innovation teams

- Managers equipped to quickly turn a query into specific deliverables

- **CONNECT-THE-DOTS Definition**
  - Connecting knowledge available in various sources to extract unique insights

- **Example**
  - Run into an individual at a conference ➔ look-up her webpage ➔ find interesting publications ➔ a large group of collaborators ➔ one collaborator is working with a start-up in Israel ➔ Israeli start-up has very interesting patents ➔ Israeli start-up's research is sponsored by a competitor …and so on

- **Connecting-the-dots, however, is a <u>time-consuming task</u> and <u>requires expertise</u> in various data sources**
  - Patents, technical literature, websites, annual reports, start-up databases, NIH grants, Google Scholar

SPA's solution allows scientists to Connect-the-Dots seamlessly and rapidly

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- **Scientists play in a well-defined sandbox…no time is wasted in sifting through noise**
  - Experts extract relevant information and pre-load in the database
  - Information is curated (humans assisted by machine) in a meaningful way
  - Search interface is intuitive and easy-to-use…no need for any searching expertise

- **Many information sources are covered and search results are linked to each other…easy to "connect-the-dots" for any scientist**
  - Patents, technical literature, websites, start-up databases, NIH grants, etc.
  - All information is linked across sources using author, affiliation and technology tags

- **Visualizations are meaningful and can be presented in management reviews seamlessly**
  - Many visualizations are available…can be further tailored to users' requirements
  - Charts can be downloaded, shared, printed, etc. easily

SPA's solution is supported by searchers with deep technical expertise…cost-effective, rapid deep-dives <u>*complement*</u> *the Connect-the-Dots solution*

CLOUD BASED

CLUSTER VISUALIZATION

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Login to your account

admin@patent-art.com

Remember me

LOGIN

Register   Forgot password?

Connect the dots portal
by SciTech Patent Art

USER-DEFINED CURATION

Growing cluster

Option to search by KOL

WHITE-SPACE MAP – MODALITY VS. BIOLOGY
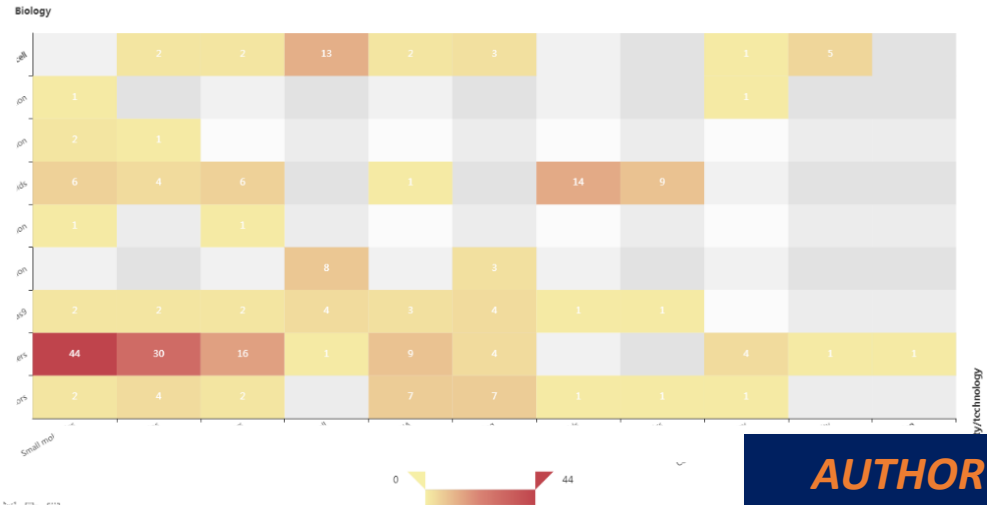
ORGANIZATIONAL NETWORK

AUTHOR NETWORK

Collaboration topics

Drill-down links

Drill-down links
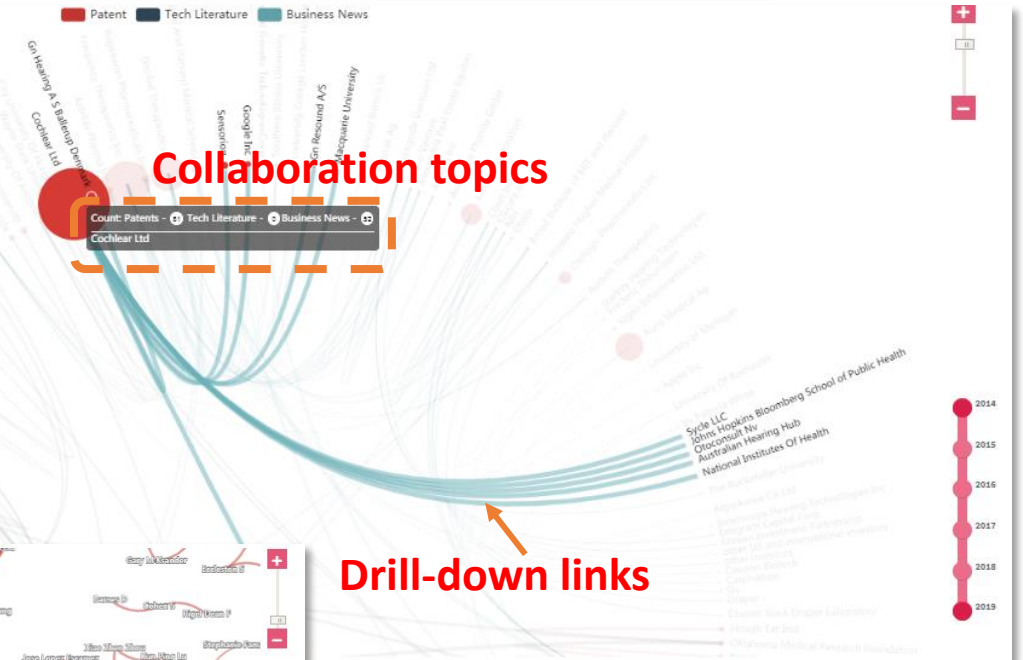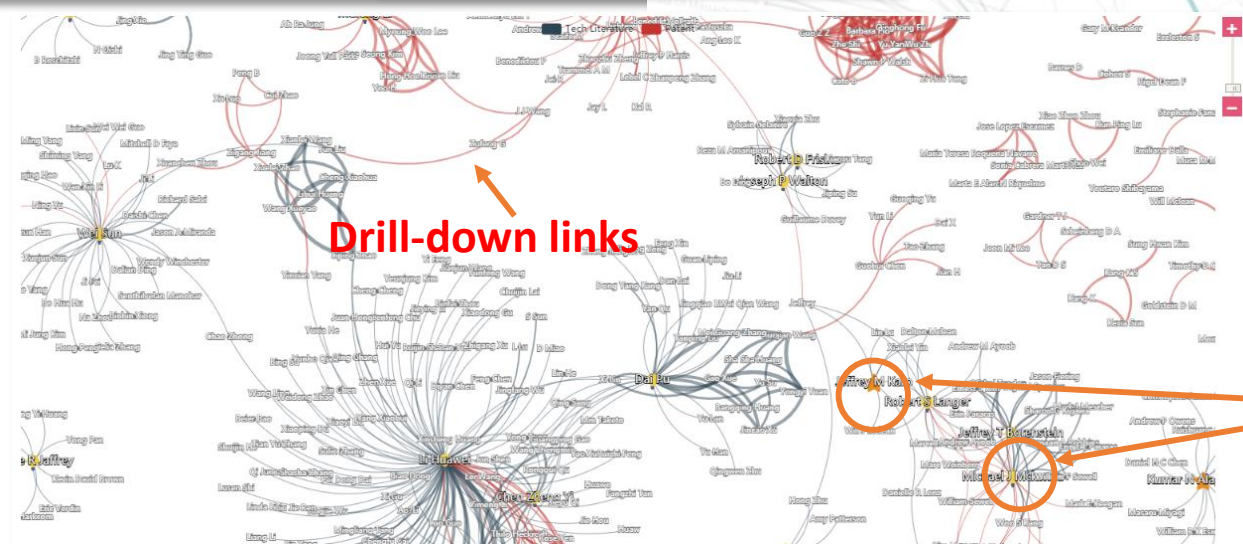
KOLs / Rising Stars annotated

KEY DIFFERENTIATORS OF SPA'S CONNECT-THE-DOTS SOLUTION

RANGE OF TOOLS / SERVICES IN THE MARKET

AI/ML software (Quick-and-Dirty)

Advantages
- Rapid
- AI/ML enabled
- Interactive

Disadvantages
- Data quality poor
- No one to answer questions / refine
- AI/ML accuracy

Nice charts but decisions cannot be made/defended

Slow & Clean (Human)

Advantages
- High quality data
- Analysis customized
- Human to answer questions

Disadvantages
- Long turnaround time
- Quality varies by analyst
- Need to manage humans

*Decisions can be made based on analysis but answers come very slowly*

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Quick & Clean (Machine + Human)

Advantages
- Rapid answers / interactive
- High quality data
- Custom analysis
- Human to answer questions

Disadvantages
- Turnaround time of 4-6 weeks for initial portal development

Nice charts which allow decision making

- **Globally accessible**
- **Unlimited user licenses**

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CONNECT-THE-DOTS STANDARD* WORK PROCESS

Define sandbox

(2-3 weeks)

- Technology boundaries (e.g., oncology with a focus on immunotherapy)
- Data boundaries (e.g., patents, literature, grants, clinical trials,...)
- Curation requirements (e.g., biology, modality, technology, DDS, etc.)
- Any specific interface requirements (e.g., heat maps, network maps)
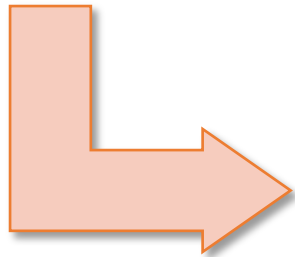
Test Trial Solution

(3-4 weeks)

- Iterations between SPA experts and client scientists on curation standards
- User trials with interface
- Refinement and finalization of curation/interface
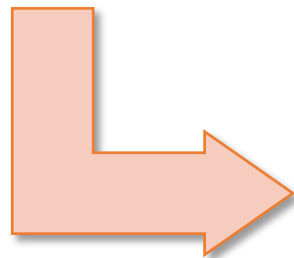
Final Solution

- Set up user accounts
- Data update requirements
- Any other specific technical deep-dive requirements, as needed

Time-lines shown may vary depending on the size of the sandbox

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INTERESTED?

Contact: **info@patent-art.com**

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We look forward to hearing from you!