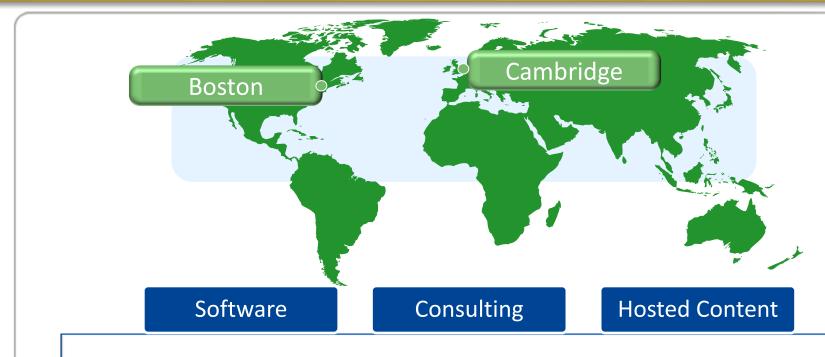
Linguamatics Update *ICIC 2012*

Berlin

October 2012



About Linguamatics



I2E: agile, scalable, real-time NLP-based text mining Fact extraction and knowledge synthesis

Fortune 500

Pharma/Biotech

Healthcare

Government

Including 9 of the top 10



Whatever the Content...

• ... I2E can mine and extract with precision

O (Dt:-	D:	D:	D	Scientific literature
Gene/Protein	Biomarker	Disease	Doc	Hit
▼TRIM25	as a new potential biomarker for	Breast cancer	1 16144914	1 Estrogen-responsive finger protein as a new potential biomarker for breast cancer.
	is a significant prognostic factor in	Breast cancer	1 16144914	1 CONCLUSIONS: Our data suggest that Efp immunoreactivity is a significant prognostic factor in breast cancer patients.
	was significantly correlated with	Breast cancer	1 16144914	1 Moreover, Efp immunoreactivity was significantly correlated with poor prognosis of breast cancer patients, and multivariate analyses of disease-free survival and overall survival for 151 breast cancer patients showed that Efp immunoreactivity was the independent marker.
▼BCL2	is a prognostic marker in	Breast cancer	1 16638854	1 Bcl-2 is a prognostic marker in breast cancer independently of the Nottingham Prognostic Index.
	is an independent predictor of	Breast cancer	1 16638854	1 CONCLUSION: Bcl-2 is an independent predictor of breast cancer outcome and seems to be useful as a prognostic adjunct to the NPI, particularly in the first 5 years after diagnosis.

					_	Twitter
Intention	Treatment	User		Dog	:	Hit
▶ Just got	my flu shot	@4momama		1 217	1	@4momama Just got my flu shot and in meeting for the
▶ I got	my flu shot	@liilii89		2 <u>657</u>	1	@liilii89 I got my flu shot today!
▶ got	my flu shot	@aaaaaaannie		1 <u>658</u>	1	@aaaaaaannie got my flu shot but now dizzy from the
▼Getting	my flu shot	@amytnguyen		1 <u>737</u>	1	@amytnguyen Getting my flu shot on
	a flu shot	@oregonian	1	3 <u>650</u>	1	@oregonian Getting a flu shot (or two)?
	▶ flu shot	@bobbartz		1 <u>767</u>	1	@bobbartz Getting flu shot
	▶ the flu shot	@akronbabygirl		1 262	1	@akronbabygirl Getting the flu shot?
	▶ flu shots	@lauraann9		1 <u>180</u>	1	@lauraann9 Getting flu shots and having blood drawn is
	my free flu shot	@brittag10		1 752	1	@brittag10 Getting my free flu shot!



Recent Customer News

Continually growing customer base...

LINGUAMATICS' 12E TEXT MINING PLATFORM CHOSEN BY FDA

CDER to use Linguamatics I2E in support of drug safety research activities

(Cambridge, England and Boston, USA – August 1st 2012)

Linguamatics, the leader in natural language processing (NLP)-based text mining, announced today that the FDA's Center for Drug Evaluation and Research (CDER) has licensed its I2E text mining platform to support laboratory research efforts on drug safety...

See: www.linguamatics.com/welcome/news/press_releases.html



Just Launched: 12E Patent Solution

12E text mining

- High performance NLP querying
- Fact extraction, knowledge synthesis
- Use of domain thesauri
- Ability to cross document silos

Hosted platform

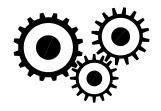
- Reduced Cost of Ownership
- No installation delay

Full text patents

- 17 million documents (USPTO, EPO, WIPO)
- Applications and Grants
- From IFI Claims Direct



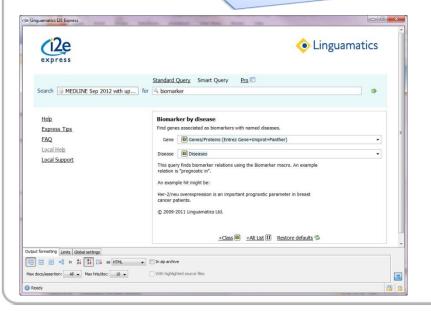
Coming Soon: New Web Services API



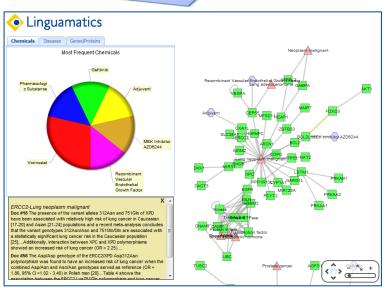
12E Server

Supports improved automation and integration, at scale

Standard GUI



Web services API





Coming Soon: Chemistry with Name to Structure

- Integrates ChemAxon Name to Structure
- Substructure and Similarity Search
- Extraction of properties

Output to e.g.
Microsoft Excel

Chemical	Feature	Value	Doc	Hit
4-hydroxy-5-phenyl-4,5-dihydro- 2H-spiro[1λ*-benzothiepine- 3,1'-cyclohexane]-1,1-dione	mp		<u>US-</u> 6943189- B2	Example 31 cis-4-Hydroxy-5-phenyl-2,3,4,5-tetrahydro spiro(benzothiepine-3,1'-cyclohexane)-1,1-dioxide (60) mg of white crystal, mp 209-210° C. Proton and carbon NMR
2'-phenyl-3'-oxa-7'\lambda\circ\$-thiaspiro [cyclohexane-1,5'-tricyclo [6.4.0.0²,\daggeraus]-1'(8'),9',11'-triene-7',7'-dione	mp		<u>US-</u> 6642268- B2	8b-Phenyl-1a,2,3,8b-tetrahydrospiro (benzothiepino[4,5-b]oxirene-2,1'- cyclohexane)-4,4-dioxide (58)) of yellow solid, mp 154-155° C. Proton and carbon NMR
4-hydroxy-5-phenyl-4,5-dihydro- 2H-spiro[1λ ⁶ -benzothiepine- 3,1'-cyclohexane]-1,1-dione	mp	99- 100°	<u>US-</u> 6642268- <u>B2</u>	trans-4-Hydroxy-5-phenyl-2,3,4,5-tetrahydro spiro(benzothiepine-3,1'-cyclohexane)-1,1- dioxide (59) as a white solid, mp 99-100° C. Proton NMR showed this

Chemical	Feature	Value	Hit
	mp	209-210°	Example 31 cis-4-Hydroxy-5-phenyl-2,3,4,5-tetrahydro spiro(benzothiepine-3,1'-cyclohexane)-1,1-dioxide (60) mg of white crystal, mp 209-210° C. Proton and carbon NMR
	mp	154-155°	8b-Phenyl-1a,2,3,8b-tetrahydrospiro(benzothiepino[4,5-b]oxirene-2,1'-cyclohexane)-4,4-dioxide (58)) of yellow solid, mp 154-155° C. Proton and carbon NMR
	mp	99-100°	trans-4-Hydroxy-5-phenyl-2,3,4,5-tetrahydro spiro(benzothiepine-3,1'-cyclohexane)-1,1-dioxide (59) as a white solid, mp 99-100° C. Proton NMR showed this



Thank You

For more information...

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Text Mining Patents at Scale: Challenges and Successes

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