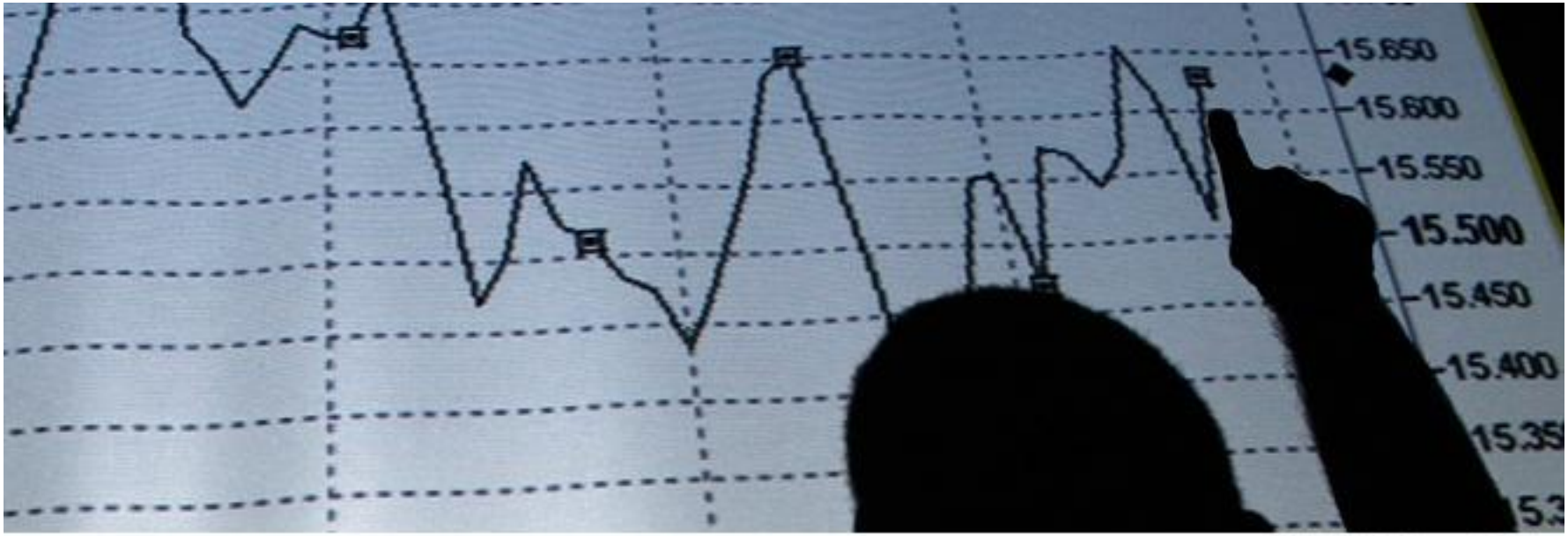

REUTERS/Tony Gentile

Data Citation Index[SM]

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SKÚŠOBNÝ PRÍSTUP DO 12.4.2013

Výskumné dáta – rozmanité a rôznorodé zdroje

- Existuje mnoho kvalitných repozitárov, ale ich prehľadávateľnosť a štruktúra sa líši
- Data Citation Index uspokojí potrebu jedného zdroja na prehľadávateľnosť dát a vytvorenie citačných štandardov
- Zopár príkladov:

European Commission eurostat Your key to European statistics

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ADA AUSTRALIAN DATA ARCHIVE

DRYAD

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EMDataBank Unified Data Resource for 3DEM

NCBI GEO Gene Expression Omnibus

DRUGBANK Open Data Drug & Drug Target Database

Génolevures

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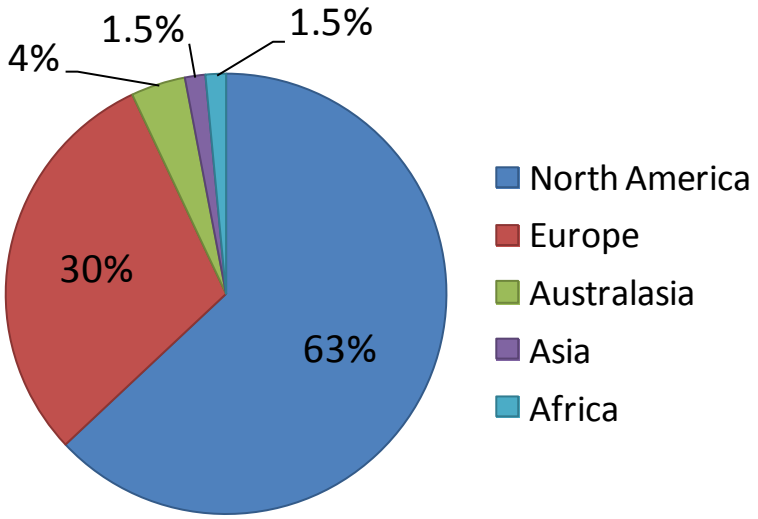
FOR THE DATA CITATION INDEX℠ WITHIN THOMSON REUTERS WEB OF KNOWLEDGE℠

Pri hodnoteniu repozitárov vezmeme do úvahy nasledujúce kritéria:

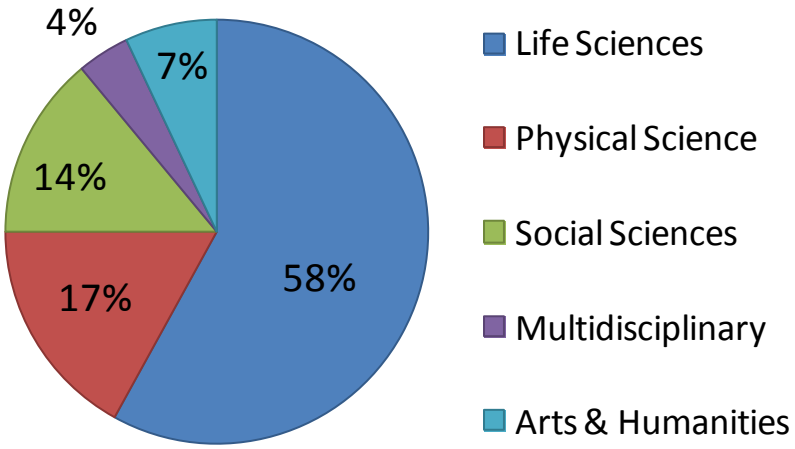
- Obsah – materiály sú žiadúce pre výskumníkov.
- Stálosť a stabilita repozitáre, so stálym tokom nových informácii.
- Úplnosť a podrobnosť popisných informácií.
- Odkazy z dát na odbornú literatúru.
- Ďalšie informácie: http://wokinfo.com/media/pdf/DCI_selection_essay.pdf

Pokrytie úložišť výskumných dát

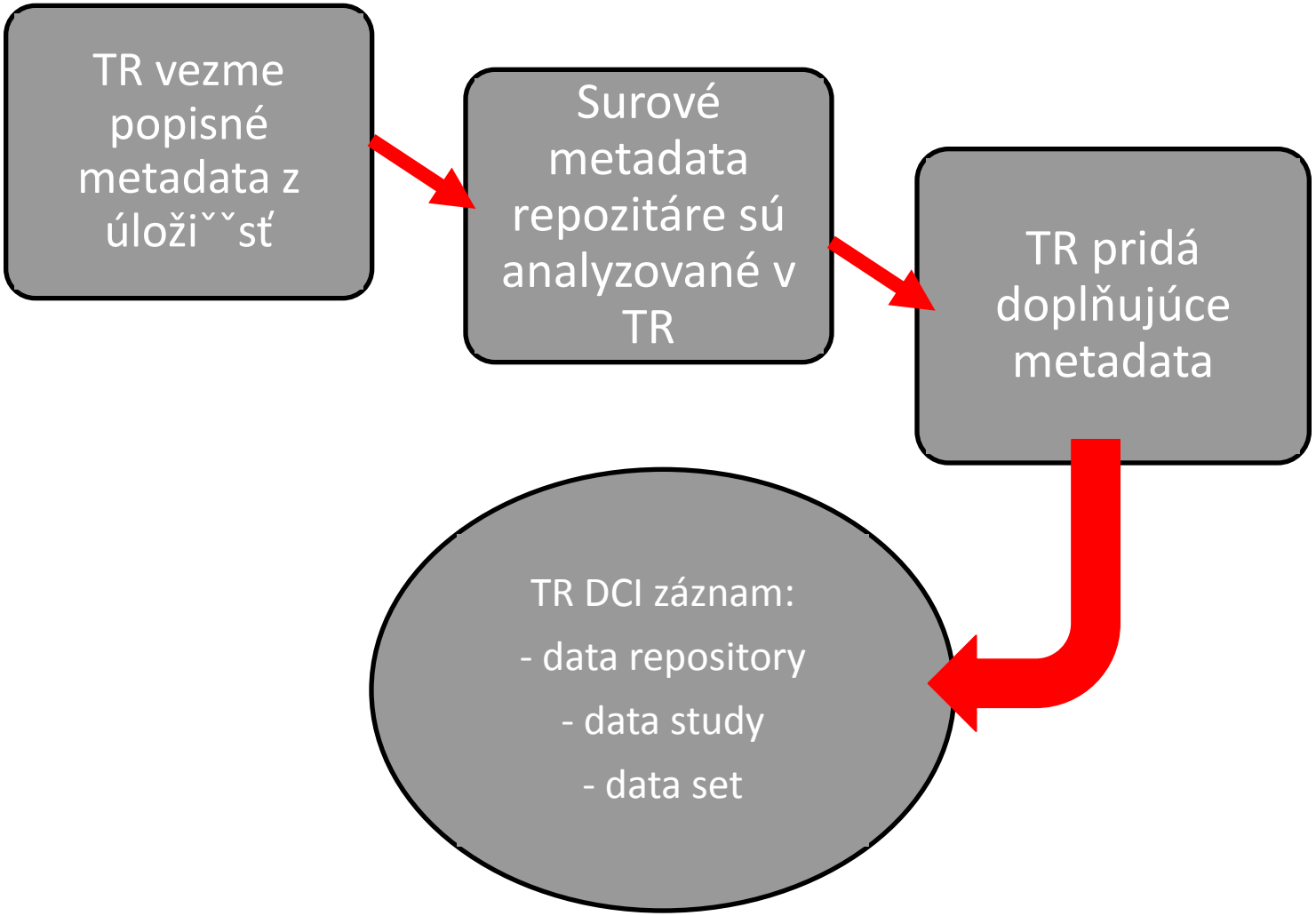
Regionálne pokrytie na začiatku



Pokrytie disciplín na začiatku



Indexovanie úložišť výskumných dát



Data Citation Index – typy dokumentov

Položky sú zorganizované **do troch typov dokumentov**. Podrobnejšie informácie môžu byť priradené jednotlivým záznamom na popis typu dát **(Data Type)**, “survey data” (data z prieskumu) ako príklad.

- **Repository - repozitár:** zdroj, ktorý obsahuje data studies-štúdie a data sets-súbor dát. Uschováva, prezentuje a poskytuje prístup k datám.
- **Data Study - štúdie:** Popis štúdií alebo experimentov spolu s dátami, ktoré boli použité počas výskumu. Zahrňuje prierezový a longitudinálny výskum.
- **Data Set – súbor dát:** jeden alebo súvislý zber dát alebo súborov, je súčasťou fondu, štúdie alebo výskumu.

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Search

expression profil* in Topic

Example: Crime Survey

AND muridae in Subject Descriptors

Example: Arabidopsis thaliana OR Jurassic OR CC1A gene OR Europe OR Rodentia

AND in Source

Example: Dryad OR UK Data Archive

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  - From 1900 to 2012 (default is all years)
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Data Citation Index Thesaurus

Use the Find feature to locate terms to add to your query.

Enter text to find terms containing or related to the text.
Example: mammal* to find Mammalia or Mammals

muridae | Find

Muridae

Key: Add = add to query | H = view in hierarchy | T = view thesaurus details

Thesaurus Term:	Add	H	**Muridae**
Scope Note:			Taxonomic rank - Family.
Broader Term:	Add	H	T Rodentia

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Results Topic=(expression profil*) AND Subject Descriptor (muridae)
Timespan=All Years. Databases=DCI-S, DCI-SSH.
Lemmatization=On

Note: Alternative forms of your search term (for example, tooth and teeth) turn off the "Lemmatization" option on the search page.

Results: 13,175

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Search

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- BIOCHEMISTRY MOLECULAR BIOLOGY (9,838)

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Document Types Refine
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- DATA STUDY (5,109)

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- RNA (7,972)
- SCAN (2,539)
- RAW DATA (2,496)
- PROCESSED DATA MATRIX (2,027)
- EXPRESSION PROFILING BY ARRAY (1,647)

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Years Published

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Analyze Results

1. Title: The
2. Title: Tran
4. Title: Tran
5. Title: Expr
6. Title: Iden
7. Title: Tran
8. Title: Gene
9. Title: Tran
10. Title: Tran

...round the terms. To find only exact matches for your terms,

...or with a combination of anti-IgM and IL-4.

...dualization.

...expression profiling.

...Bcl9-/-/Bcl9l-/- mice.

...fferent murine models of lupus.

...cocaine.

...57BL/6J.

Data Citation Index SM

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GSE2814: Expression profiling of liver tissue from (C57BL/6J X C3H/HeJ)F2 mice on ApoE null backgrounds.

From Repository: Gene Expression Omnibus.

Author(s): Ingram-drake, Leslie; Wang, Susanna S; Yehya, Nadir; Wang, Hui; Schadt, Eric E; Drake, Thomas A; Lusis, Aldons J

Source: Gene Expression Omnibus **Source URL:** http://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE2814 (Viewed Date: 03 Dec 2011) **Published Year:** 2006

Cited References: 0

Abstract: The (C57BL/6J X C3H/HeJ)F2 intercross consists of 334 animals of both sexes. All are ApoE null and received a high fat Western diet from 8-24 weeks of age.

Document Type: Data study

Data Type: Expression profiling by array

Accession Number: DRCI:DATA2012017000044714

Language: English

Addresses:
1. University of California-Los Angeles, Medicine/MIMG/Human Genetics, 47-123 CHS

E-mail Address: lingram@mednet.ucla.edu

Web of Science Category: Biochemistry & Molecular Biology; Genetics & Heredity

Subject Area: Biochemistry & Molecular Biology; Genetics & Heredity

Taxonomic Data:

SUPER TAXA	TAXA NOTES
Animalia, Chordata, Vertebrata, Mammalia, Rodentia	Animals, Chordates, Mammal

Miscellaneous: Gene Expression Profiling; tissue; Diet; Sex; Molecular Genetics

Associated Records: [View All]

GSM61224: f2#71 versus pool Mouse Liver.	Data set	Link to External Source
GSM61334: f2#213 versus pool Mouse Liver.	Data set	Link to External Source
GSM61463: f2#353 versus pool Mouse Liver.	Data set	Link to External Source
GSM61448: f2#336 versus pool Mouse Liver.	Data set	Link to External Source

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van Nas, Atila. Expression Quantitative Trait Loci: Replication, Tissue- and Sex-Specificity in Mice. GENETICS, JUL 2010.

Wu, Sulin. Upstream transcription factor 1 influences plasma lipid and metabolic traits in mice. HUMAN MOLECULAR GENETICS, FEB 15 2010.

Chen, Yanqing. Variations in DNA elucidate molecular networks that cause disease. NATURE, MAR 27

NCBI | GEO Gene Expression Omnibus

NCBI > GEO > Accession Display

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GEO help: Mouse over screen elements for information.

Scope: Self | Format: HTML | Amount: Quick | GEO accession: GSM61224 | Go

Sample GSM61224 | Query DataSets for GSM61224

Status	Public on Jul 27, 2006
Title	f2#71 versus pool Mouse Liver
Sample type	RNA

Channel 1

Source name	f2#71
Organism	Mus musculus
Characteristics	Strain:C57BL/J6 and C3H/HeJ on ApoE null Age:24 weeks Gender:Female
Extracted molecule	total RNA
Label	Cy3

Channel 2

Source name	pool
Organism	Mus musculus
Characteristics	Strain:C57BL/J6 and C3H/HeJ on ApoE null Age:24 weeks (150 randomly selected F2)
Extracted molecule	total RNA
Label	Cy5

Description	Livers from 330 F2 female and male mice (animals fed a high fat "Western" diet from 8-24 weeks of age.) C57BL/J6 and C3H/HeJ on ApoE null backgrounds. All sample were compared to a common pool created from equal portions of RNA from each of the samples.
Data processing	Arrays were quantified on the basis of spot intensity relative to background (Qhvb program, Rosetta), adjusted for experimental variation between arrays using average intensity over multiple channels, and fitted to an error model to determine significance (type I error). Gene expression is reported as the ratio of the mean log10 intensity (mlratio) relative to the pool derived from 150 mice randomly selected from the F2 population. Normalized values are reported as the ratio of the mlratio relative to the pool.
Submission date	Jun 15, 2005
Last update date	Jul 27, 2006
Contact name	Leslie Ingram-drake
E-mail(s)	

10024393155	0.0085762488	0.9552969933
10024393156	0.0483068526	0.7160348892
10024393157	0.0195944831	0.77941221
10024393158	0.0105600003	0.9317488074
10024393159	0.0247709136	0.6903402209
10024393160	-0.046366978	0.7144477963
10024393161	-0.020565329	0.8593009114
10024393162	-0.04553229	0.4500940442
10024393163	0.0695168376	0.8573571444

Total number of rows: **23388**

Table truncated, full table size **855 Kbytes.**

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Supplementary data files not provided

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Author(s): **Ingram-drake, Leslie ; Wang, Susanna S ; Yehya, Nadir ; et al.**
Source: **Gene Expression Omnibus**
Source URL: **http://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE2814**
Document Type: **Data study**

This item has been cited by items indexed in the databases listed below. [more information]

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Citing Articles Title: **GSE2814: Expression profiling of liver tissue from (C57BL/6J X C3H/HeJ)F2 mice on ApoE null backgrounds.**
Author(s): **Ingram-drake, Leslie ; Wang, Susanna S ; Yehya, Nadir ; et al.**
Source: **Gene Expression Omnibus**
Source URL: **http://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE2814**
Document Type: **Data study**

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- Publication Years
- Languages
- Countries/Territories
- Countries/Territories - Chinese

Times Cited: 134 (from All Databases)

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6. Title: **Genetic and genomic analysis of a fat mass trait with complex inheritance reveals marked sex specificity**
Author(s): Wang, Susanna; Yehya, Nadir; Schadt, Eric E.; et al.
Source: PLOS GENETICS Volume: **2** Issue: **2** Pages: **148-159** Article Number: **e15** DOI: **10.1371/journal.pgen.0020015** Published: **FEB 2006**
Times Cited: **93** (from All Databases)

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GSM61224: f2#71 versus pool Mouse Liver.

From Data study: GSE2814: Expression profiling of liver tissue from (C57BL/6J X C3H/HeJ)F2 mice on ApoE null backgrounds.

Author(s): Ingram-drake, Leslie; Wang, Susanna S; Yehya, Nadir; Wang, Hui; Schadt, Eric E; Drake, Thomas A; Lusis, Aldons J

Source: Gene Expression Omnibus **Source URL:** http://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSM61224 (Viewed Date: 03 Dec 2011) **Published Year:** 2006

Cited References: 0

Abstract: Livers from 330 F2 female and male mice (animals fed a high fat "Western" diet from 8-24 weeks of age.) C57BL/J6 and C3H/HeJ on ApoE null backgrounds. All sample were compared to a common pool created from equal portions of RNA from each of the samples.

Document Type: Data set

Data Type: RNA

Accession Number: DRCI:DATA2012017000044781

Language: English

Addresses:
1. University of California-Los Angeles, Medicine/MIMG/Human Genetics, 47-123 CHS, Los Angeles, 90095-1359, USA

E-mail Address: lingram@mednet.ucla.edu

Web of Science Category: Biochemistry & Molecular Biology; Genetics & Heredity

Subject Area: Biochemistry & Molecular Biology; Genetics & Heredity

Taxonomic Data:

SUPER TAXA	TAXA NOTES
Animalia, Chordata, Vertebrata, Mammalia, Rodentia	Animals, Chordates, Ma

Method: Platform:GPL2510:Rosetta/Merck (C57BL/6J X C3H/HeJ)F2 on ApoE

Miscellaneous: RNA; Diet

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