

## **Scientific output on Erasmus MC website and the use of XML**

An easy way to manage and standardise the presentation of department's journal articles

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# Erasmus MC

- University Medical Centre – Erasmus University Rotterdam
  - 10,250 employees
  - 650 medical specialists
  - 1320 beds
  - Income: € 1,000,000,000
- 100+ scientific departments
- Scientific output: 3000 publications in 2009



## Scientific output

- Articles gathered by departmental offices
  - For financial reward system (Metis)
  - For representation on website (100+ departmental websites)

# Presented scientific output on website

NCBI PubMed  
A service of the U.S. National Library of Medicine and the National Institutes of Health  
www.pubmed.gov

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for schalk rh[author] Go Clear Advanced Search Save Search

Limits Preview/Index History Clipboard Details

Display Summary Show 20 Sort By Send to

All: 84 Clinical Trial: 13 Erasmus MC Rotterdam Medical Library NL: 74 Humans: 68

Items 1 - 20 of 84 Page 1 of 5 Next

- ☐ 1: [Influence of genetic variation in CYP3A4 and ABCB1 on dose decrease or switching during simvastatin and atorvastatin therapy.](#)  
Becker ML, Visser LE, van Schaik RH, Hofman A, Uitterlinden AG, Ch Stricker BH.  
Pharmacoevidemiol Drug Saf. 2009 Oct 2. [Epub ahead of print]  
PMID: 19802823 [PubMed - as supplied by publisher]  
[Related Articles](#)
- ☐ 2: [Maternal medication use, carriership of the ABCB1 3435C > T polymorphism and the risk of a child with cleft lip with or without cleft palate.](#)  
Blek BJ, van Schaik RH, van der Heiden IP, Sayed-Tabatabaei FA, van Duijn CM, Steegers EA, Steegers-Theunissen RP;  
Eurocran Gene-Environment Interaction Group.  
Am J Med Genet A. 2009 Oct;149A(10):2088-92.  
PMID: 19760622 [PubMed - in process]  
[Related Articles](#)
- ☐ 3: [Variation in the CYP2D6 gene is associated with a lower serum sodium concentration in patients on antidepressants.](#)  
Kwadijk-de Gijzel S, Bijl MJ, Visser LE, van Schaik RH, Hofman A, Vulto AG, van Gelder T, Ch Stricker BH.  
Br J Clin Pharmacol. 2009 Aug;68(2):221-5.  
PMID: 19694742 [PubMed - in process]  
[Related Articles](#)
- ☐ 4: [Interpatient variability in IMPDH activity in MMF-treated renal transplant patients is correlated with IMPDH type II 3757T > C polymorphism.](#)  
Programa mutações in dutch lamina frontotemporal lobar degeneration. *Eur J Hum Genet*. 2007;15:369-374

John C. van Swieten JC, Bronner IF, Asma A, Severijnen LA, Kamphorst W, Ravid R, Rizzu P, Willemsen R, Heutink P. The DK280 mutation in MAP tau favours exon 10 skipping in vivo. [in press]

stimulation for IVF using recombinant FSH and various doses of GnRH antagonist ganirelix. Fertility and Sterility. 2004; 75:688-692.

# But...

- Lots of different ways of presenting
- No control on output
- Hardly any link to full text

# Library solution : Endnote to XML

EndNote X (Bld 2114) - [CMBPubli2009.enl]						
File Edit References Tools Window Help						
Plain Font Plain Size B I U P A <sup>1</sup> A <sub>1</sub> Σ						
0	Author	Year	Title	Journal	Ref Type	URL
	Aa MN van d...	2009	Sexual function of patients under surv...	BJU Int	Journal Arti...	http://www.ncbi.nlm...
	Aa MN van d...	2009	Microsatellite analysis of voided-urin...	Eur Urol	Journal Arti...	http://www.ncbi.nlm...
	Bais	2009	Post-treatment CIN: randomised clini...	Int J Cancer	Journal Arti...	http://www.ncbi.nlm...
	Bekker-Grob	2009	Non-muscle-invasive bladder cancer ...	BJU Int	Journal Arti...	http://www.ncbi.nlm...
	Bekker-Grob	2009	Preferences of GPs and patients for ...	Pharmacoe...	Journal Arti...	http://www.ncbi.nlm...
	Bertleff	2009	Randomized clinical trial of laparosc...	World J Surg	Journal Arti...	http://www.ncbi.nlm...
	Boomsma	2009	Cytokine profiling in endometrial secr...	Reprod Bio...	Journal Arti...	http://www.ncbi.nlm...
	Boomsma	2009	Endometrial secretion analysis identi...	Hum Reprod	Journal Arti...	http://www.ncbi.nlm...
	Boxmeer	2009	IVF outcomes are associated with bi...	Hum Reprod	Journal Arti...	http://www.ncbi.nlm...
	Boxmeer	2008	Low folate in seminal plasma is asso...	Fertil Steril	Journal Arti...	http://www.ncbi.nlm...
	Breiting	2009	The novel "Genomic Pathway Appro...	Epidemiolo...	Journal Arti...	http://www.ncbi.nlm...
	Casteren	2008	Evaluation of testicular biopsies for c...	Int J Androl	Journal Arti...	http://www.ncbi.nlm...
	Chang	2009	Peli1 facilitates TRIF-dependent Toll-...	Nat Immunol	Journal Arti...	http://www.ncbi.nlm...
	Chen	2009	Provider case volume and outcomes ...	J Urol	Journal Arti...	http://www.ncbi.nlm...
	Choy	2009	Role of shared genetic and environm...	Psychiatr G...	Journal Arti...	http://www.ncbi.nlm...
	Cox	2009	Time to pregnancy after a previous m...	Fertil Steril	Journal Arti...	http://www.ncbi.nlm...
	Dishoeck	2009	Prestatie-indicatoren voor ziekenhuiz...	Ned Tijdsch...	Journal Arti...	http://www.ncbi.nlm...
	Disseldorp	2009	Hypertensive pregnancy complicatio...	Fertil Steril	Journal Arti...	http://www.ncbi.nlm...
	Geerdink	2009	Development of a digital Childhood ...	Rheumatol...	Journal Arti...	http://www.ncbi.nlm...
	Geldorp	2009	Patient outcome after aortic valve re...	J Thorac C...	Journal Arti...	http://www.ncbi.nlm...
	Gerestein	2009	The prediction of progression-free an...	BJOG	Journal Arti...	http://www.ncbi.nlm...
	Graaf	2009	Construct validation of the Amblyopia...	Graefes Ar...	Journal Arti...	http://www.ncbi.nlm...
	Haagsma	2009	Alternative approaches to derive dis...	Qual Life Res	Journal Arti...	http://www.ncbi.nlm...
	Habbema	2008	Is affordable and cost-effective assist...	Hum Reprod	Journal Arti...	http://www.ncbi.nlm...
	Habbema	2009	The effect of in vitro fertilization on bir...	Hum Reprod	Journal Arti...	http://www.ncbi.nlm...
	Heide	2009	End-of-life decisions in the United Ki...	Palliat Med	Journal Arti...	http://www.ncbi.nlm...

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<author>Boxmeer, J. C.; Smit, M.; Utomo, E.; Romijn, J. C.; Eijkemans, M. J. C.; Lindemans, J.; Laven, J. S.; Macklon, N. S.; Steegers, E. A.; Steegers-Theunissen, R. P.</author>
<notes>Journal article</notes>
<pubmedid>18722602</pubmedid>
<journal>Fertil Steril</journal>
<year>2008</year>
<date>Aug 21</date>
<url>http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=18722602</url>
</item>

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# Workflow

- Library helps set up search with authorID's in scopus
- Departments gather publications annually, import in EndNote
- Upload XML file to website
- Library maintains central XSLT document

## Result

- <http://www.erasmusmc.nl/mgz/publications/pubs/pub2008/>



# Advantages

- For the medical library:
  - Easily adding new features by updating xslt format
- For departments:
  - Easily updating page
  - Not having to add article links in CMS

## Added features

- Maintain multiple webpages with one XML document
- XSLT that split pages per year
- Adding subjectlabels to records

# Added features

## Publicaties Hepatitis

**Peginterferon alpha-2b is safe and effective with advanced fibrosis**

Buster EH, Hansen BE, Buti M, Delwaide J, Niedera Janssen HL, Group HBVS  
Hepatology : 46 (2) p.388-94

**Antiviral treatment for chronic hepatitis B virus suppression?**

Buster EH, Janssen HL  
Neth J Med : 64 (6) p.175-85

**Prolonged antiviral therapy for hepatitis B virus option to prevent work restriction without jaundice**

Buster EH, van der Eijk AA, de Man RA, Janssen HL  
J Viral Hepat : 14 (5) p.350-4

**Doctor to patient transmission of hepatitis B virus potential new solutions**

Buster EH, van der Eijk AA, Schalm SW  
Antiviral Res : 60 (2) p.79-85

**Relapse after treatment with peginterferon in HBeAg positive chronic hepatitis B**

Flink HJ, Buster EH, Merican I, Nevens F, Kitis G, C Janssen HL  
Gut : 56 (10) p.1485-6

**Successful treatment with peginterferon alpha-2b standard interferon or lamivudine**

Flink HJ, Hansen BE, Heathcote EJ, Feinman SV, S RA, Verhey E, Schalm SW, Janssen HL, Group HBVS  
Am J Gastroenterol : 101 (11) p.2523-9

**Flares in chronic hepatitis B patients induced by the host or the virus? Relation to treatment response during Peg-interferon {alpha}-2b therapy**

Flink HJ, Sprengers D, Hansen BE, van Zonneveld M, de Man RA, Schalm SW, Janssen HL, Group HBVS  
Gut : 54 (11) p.1604-9

## Publicaties PBC

**Gastric emptying is slow in chronic fatigue syndrome**

Burnet RB, Chatterton BE  
BMC Gastroenterol : 4

**Attenuated liver progenitor (oval) cell and fibrogenic responses to the choline deficient, ethionine supplemented diet in the BALB/c inbred strain of mice**

Knight B, Akhurst B, Matthews VB, Ruddell RG, Ramm GA, Abraham LJ, Olynyk JK, Yeoh GC  
J Hepatol : 46 (1) p.134-41

**Improved prognosis of patients with primary biliary cirrhosis that have a biochemical response to ursodeoxycholic acid**

Kuiper EM, Hansen BE, de Vries RA, den Ouden-Muller JW, van Ditzhuijsen TJ, Haagsma EB, Houben MH, Witteman BJ, van Erpecum KJ, van Buuren HR, Dutch PBCSG  
Gastroenterology : 136 (4) p.1281-7

**The relation between plasma tyrosine concentration and fatigue in primary biliary cirrhosis and primary sclerosing cholangitis**

ter Borg PC, Fekkes D, Vrolijk JM, van Buuren HR  
BMC Gastroenterol : 5

**No prognostic significance of antimitochondrial antibody profile testing in primary biliary cirrhosis**

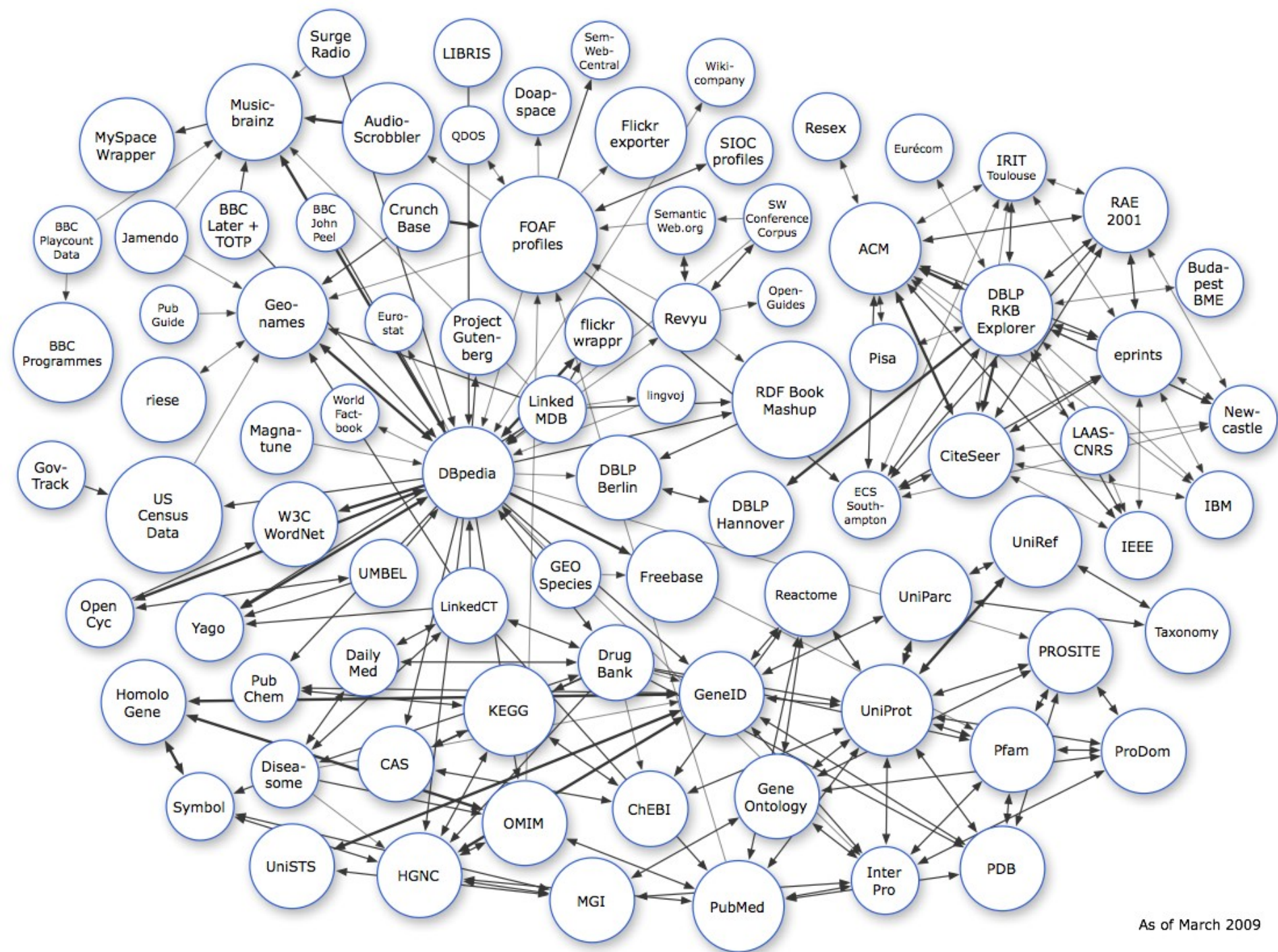
Vleggaar FP, van Buuren HR  
Hepato gastroenterology : 51 (58) p.937-40

**Orthotopic liver transplantation for portosystemic encephalopathy in an adult with congenital absence of the portal vein**

Wojcicki M, Haagsma EB, Gouw AS, Slooff MJ, Porte RJ  
Liver Transpl : 10 (9) p.1203-7

## In the future

- Extract XML data to database
- Generate researcher pages with automated publication lists
- Import XML data into Metis financial reward system



# Thanks for your attention

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- Or twitter [@wichor](https://twitter.com/wichor)