Venues for expert participation in Wikipedia

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Wikimedia Foundation

Science Online 2012 Raleigh, NC – 20 January 2012 "[Wikipedia] is not the bottom layer of authority, nor the top, but in fact the highest layer without formal vetting. In this unique role, it therefore serves as an ideal bridge between the validated and unvalidated Web."

Casper Grathwohl (Wikipedia Comes of Age)

"What I wonder is why professors don't curate [pages on] Wikipedia and add course materials and open access sections of textbooks, much of which they post online anyways."

David Lipman (Amy Maxmen, Science networking gets serious)

6 modes of expert participation

#1 Create missing articles/contribute contents on scientific topics



Viewpoint

Why ornithologists should embrace and contribute to Wikipedia

ALEXANDER L. BOND

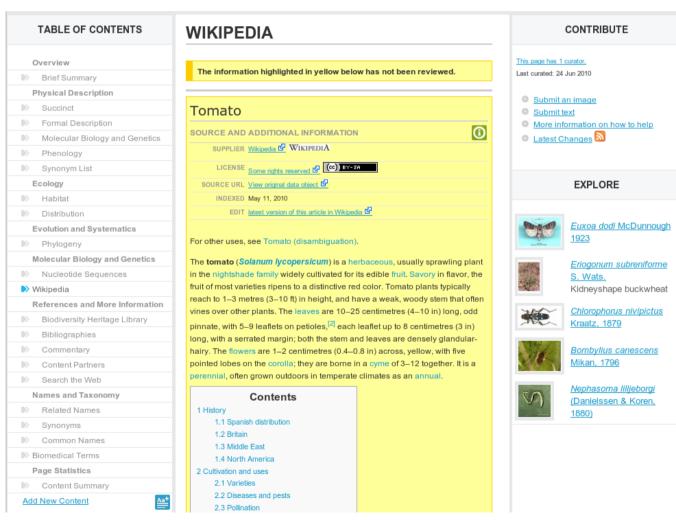


Wikipedia: A Key Tool for Global Public Health Promotion

James M Heilman^{1,2}, MD CCFP(EM); Eckhard Kemmann³, MD FACOG; Michael Bonert⁴, MD MASc; Anwesh Chatterjee⁵, MRCP; Brent Ragar⁶, MD; Graham M Beards⁷, DSc; David J Iberri⁸; Matthew Harvey^{9,10}, BMed; Brendan Thomas¹¹, MD; Wouter Stomp¹², MD; Michael F Martone¹³; Daniel J Lodge¹⁴, MD; Andrea Vondracek¹⁵, PhD; Jacob F de Wolff¹⁶, MRCP; Casimir Liber^{17,18}, MBBS FRANZCP; Samir C Grover¹⁹, MD MEd FRCPC; Tim J Vickers²⁰, PhD; Bertalan Meskó²¹, MD; Michaël R Laurent²², MD

#2 Curate/review scientific entries





#3 Curate references/citations

guardian.co.uk

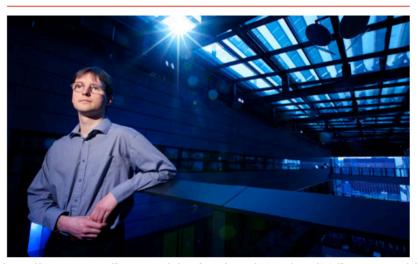
News | Sport | Comment | Culture | Business | Money | Life & style |

News Education Higher education

Wikipedia wants more contributions from academics

Wikipedia is surveying academics to find out why many seem reluctant to donate their expertise

Zoe Corbyn The Guardian, Tuesday 29 March 2011 Article history



theguardian

News US World Sports Comment Culture Business Enviror

News > Technology > Wikipedia

Letters

Footnotes, history and Wikipedia

The Guardian, Thursday 7 April 2011 Article history

As an independent network of nearly 300 historians aiming to build links with policymakers and the media, we have discussed the pros and cons of contributing our expertise to Wikipedia (Editorial, 6 April). We decided to insert links in the references of Wikipedia entries to History & Policy articles, which can be found at www.historyandpolicy.org. The aim was to provide Wikipedia users with high-quality historical research, accessibly written and freely downloadable, and to drive traffic to the H&P website. The result was startling: a few dozen links increased visitors from Wikipedia to H&P significantly, moving the online encyclopedia from below 10th to the third most popular source of traffic to our site. We intend to continue embedding links to our papers in

http://www.guardian.co.uk/technology/2011/apr/08/footnotes-history-wikipedia

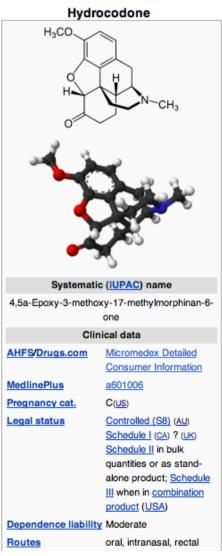
#4 Donate open-licensed scientific media

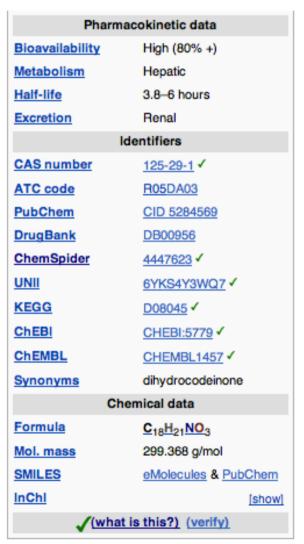


Resource (OA bolded)	Citing pages	Reused files
Elsevier	29643	414
JSTOR	19018	134
NPG	16167	121
Springer	13549	149
PNAS	12599	25298
Wiley	11945	46
AAAS	6580	54
ACS	6283	448
Taylor & Francis	4758	27
вмс	2831	921
PLoS	2666	719
arXiv	4812	98
Royal Society	2042	35

#5 Integrate Wikipedia with external databases







#6 Add structured metadata to Wikipedia articles

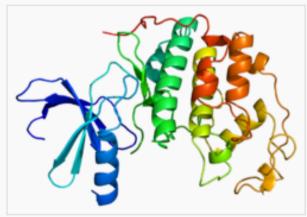
Gene Wiki - Portal

Welcome edit



Welcome to the Gene Wiki portal. This portal is dedicated to the goal of applying community intelligence to the annotation of gene and protein function. The Gene Wiki is an informal collection of pages on human genes and proteins, and this effort to develop these pages is tightly coordinated with the Molecular and Cellular Biology Wikiproject. Our specific aims are summarized as

Cyclin-dependent kinase 2



PDB rendering based on 1aq1.

Available structures [hide] 1AQ1, 1B38, 1B39, 1BUH, 1CKP, 1DI8, 1DM2, **PDB** 1E1V, 1E1X, 1E9H, 1F5Q, 1FIN, 1FQ1, 1FVT, 1FVV, 1G5S, 1GIH, 1GII, 1GIJ, 1GY3, 1GZ8, 1H00, 1H01, 1H07, 1H08, 1H0V, 1H0W, 1H1P, 1H1Q, 1H1R, 1H1S, 1H24, 1H25, 1H26, 1H27, 1H28, 1HCK, 1HCL, 1JST, 1JSU, 1JSV, 1JVP, 1KE5, 1KE6, 1KE7, 1KE8, 1KE9, 1OGU, 1OI9, 10IQ, 10IR, 10IT, 10IU, 10IY, 10KV, 10KW, 10L1, 10L2, 1P2A, 1P5E, 1PF8, 1PKD, 1PW2, 1PXI, 1PXJ, 1PXK, 1PXL, 1PXM, 1PXN, 1PXO, 1PXP, 1PYE, 1QMZ, 1R78, 1URC, 1URW, 1V1K, 1VYW, 1VYZ, 1W0X, 1W8C, 1W98, 1WCC, 1Y8Y, 1Y91, 1YKR, 2A0C, 2A4L, 2B52, 2B53, 2B54, 2B55, 2BHE, 2BHH, 2BKZ, 2BPM, 2BTR, 2BTS, 2C4G, 2C5N, 2C5O, 2C5V, 2C5X, 2C5Y, 2C68, 2C69, 2C6I, 2C6K, 2C6L, 2C6M, 2C6O, 2C6T, 2CCH, 2CCI, 2CJM, 2CLX, 2DS1, 2DUV, 2EXM, 2FVD, 2G9X, 2HIC, 2140, 2IW6, 2IW8, 2IW9, 2J9M, 2JGZ, 2R3F, 2R3G, 2R3H, 2R3I, 2R3J, 2R3K, 2R3L, 2R3M, 2R3N, 2R3O, 2R3P, 2R3Q, 2R3R, 2R64, 2UUE, 2UZB, 2UZD, 2UZE, 2UZL, 2UZN, 2UZO, 2V0D, 2V22, 2VTA, 2VTH, 2VTI, 2VTJ, 2VTL, 2VTM, 2VTN, 2VTO, 2VTP, 2VTQ, 2VTR, 2VTS, 2VTT, 2VU3, 2VV9, 2W05, 2W06, 2W17, 2W1H, 2WEV, 2WFY, 2WHB, 2WIH, 2WIP, 2WMA, 2WMB, 2WPA, 2WXV, 2X1N, 2XMY, 2XNB, 3BHT, 3BHU, 3BHV, 3DDP, 3DDQ, 3DOG, 3EID, 3EJ1, 3EOC, 3EZR, 3EZV, 3F5X, 3FZ1, 3IG7, 3IGG, 3LE6, 3LFN, 3LFQ, 3LFS, 3MY5, 3NS9, 3PXF, 3PXQ, 3PXR, 3PXY, 3PXZ, 3PY0, 3PY1

Gene Ontology [hide] Molecular nucleotide binding function protein kinase activity cyclin-dependent protein kinase activity cyclin-dependent protein kinase activity protein binding ATP binding · kinase activity cyclin binding · histone kinase activity Cellular cyclin-dependent protein kinase component holoenzyme complex chromosome, telomeric region condensed chromosome X chromosome Y chromosome nucleus nucleoplasm transcription factor complex cytoplasm cytosol Biological cell cycle checkpoint process G1/S transition of mitotic cell cycle S phase of mitotic cell cycle G2 phase of mitotic cell cycle G2/M transition of mitotic cell cycle M/G1 transition of mitotic cell cycle

mitotic cell cycle

http://nar.oxfordjournals.org/content/40/D1/D1255.full

Challenges

INTEGRATION

DISCOVERABILITY

INCENTIVES

ATTRIBUTION

POLICIES

TECHNICAL BARRIERS

How can Wikipedia support your scientific community?

How can we invite researchers in your field to curate Wikipedia entries?

What tools should we develop to make Wikipedia more useful as a scientific reference in your field?

What Wikipedia data should we expose to allow better integration with scientific knowledge bases?

Dario Taraborelli. Venues for expert participation in Wikipedia http://nitens.org/docs/slides/scio12.pdf

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