Dr Thomas Shafee

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WIKIPEDIA-INTEGRATED ACADEMIC JOURNALS

DEAL PLATFORMS FOR OUTREACH AND PUBLIC COMMUNICATIONS

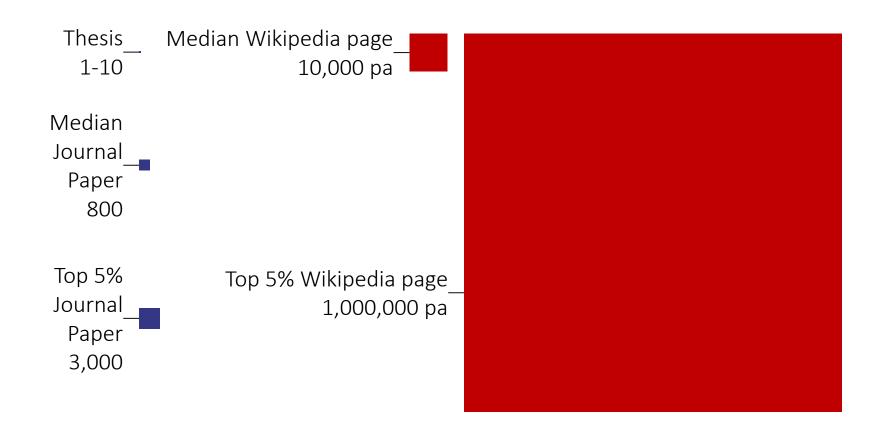
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A QUESTION OF REACH

MAXIMISING IMPACT



WHO READS WIKIPEDIA?



W

WHO READS WIKIPEDIA'S MEDICAL CONTENT?

General public Medical students Practicing doctors Research scientists

Fox S, Jones S. *Pew Internet*. 2009 | Hughes B, Joshi I, Lemonde H, Wareham J. *Int J Med Inform* 2009 Oct;78(10):645-655 | Allahwala UK, Nadkarni A, Sebaratnam DF. *Med Teach* 2013 Apr;35(4):337 | Nutzung von Social-Media-Diensten in der Wissenschaft 2017 Goportis – Leibniz-Bibliotheksverbund

HOW CAN EXPERTS BE ENCOURAGED TO CONTRIBUTE?

MAKING AN IMMEDIATE, REAL-WORLD IMPACT

SIMILARITIES AND DIFFERENCES

	Academic Journal	Wikipedia
Readership size	Small and brief Median article - 800 total Top 5% article - 3000 total	Very large and extended Median article - 10,000 per year Top 5% article - 1,000,000 per year
Readership composition	Other academics, often within narrow field	General public as well as experts and professionals
Peer review	Pre-publication, private review by 2-4 subject specialists	Post-publication public review of a sort by subject generalists 'Good article' - 1 reviewer 'Featured Article' - 5-12 reviewers
Reputation	Varies by journal but generally extremely high	Public generally trust Academics have mixed opinions by improving
Authorship	Small number with relevant, accredited expertise. Organised group with lead and corresponding authors.	Large number with mixed expertise levels. Loose organisation. Many pseudonymous or anonymous.
Timeliness	Static Updated by new publications	Constantly updated Only one consensus version

BRIDGING THE ACADEMIC DIVIDE

 Content published into both Wikipedia and academic corpus



Stable, citable, peer-reviewed version with the credibility of a scholarly journal

Living version with extreme impact of Wikipedia

Example journals



PLOS Genetics

PLOS CompBiol

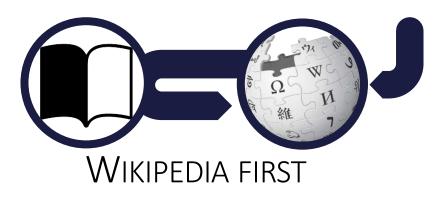


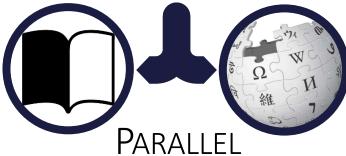
Wiki.J.Med Wiki.J.Sci Wiki.J.Hum

GENE Gene

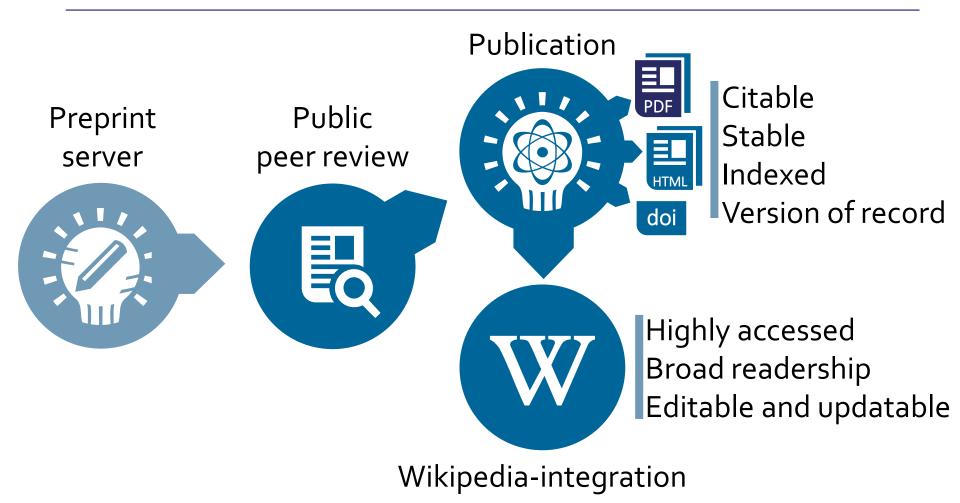
RNAbiology RNA Biology



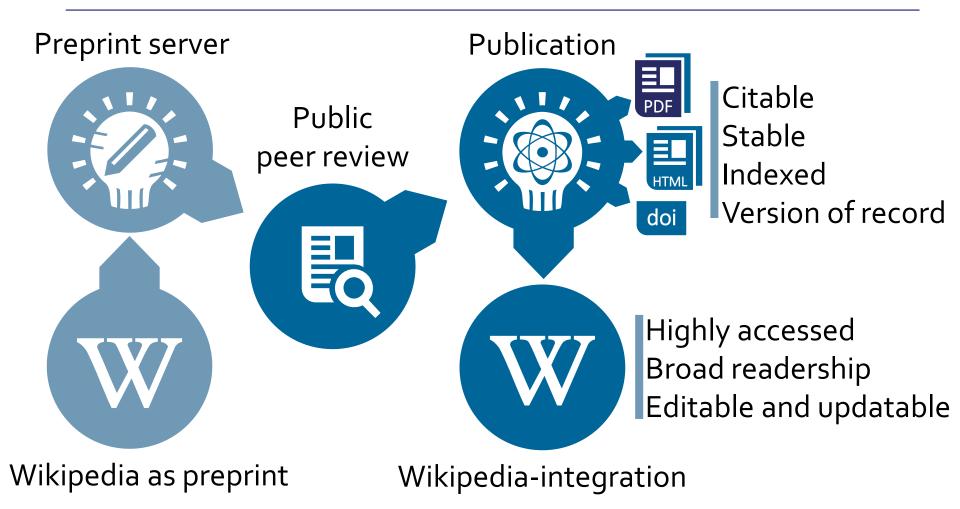




A WIKIJOURNAL'S PUBLISHING FLOW



A WIKIJOURNAL'S PUBLISHING FLOW



WikiJSci Editorial Board. (2018). The aims and scope of WikiJournal of Science. WikiJSci 1(1)

ACADEMIC AND WIKIPEDIC VERSIONS

PLOS COMPUTATIONAL

TOPIC PAGE

Transcriptomics technologies

Rohan Lowe¹, Neil Shirley², Mark Bleackley¹, Stephen Dolan³, Thomas Shafee¹*

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Abstract

Transcriptomics technologies are the techniques used to study an organism's transcriptome, the sum of all of its RNA transcripts. The information content of an organism is recorded in the DNA of its genome and expressed through transcription. Here, mRNA serves as a transient intermediary molecule in the information network, whilst noncoding RNAs perform additional diverse functions. A transcriptome captures a spapshot in time of the total transcripts present in a cell.

The first attempts to study the whole transcriptome began in the early 1990s, and technological advances since the late 1990s have made transcriptomics a widespread discipline. Transcriptomics has been defined by repeated technological innovations that transform the

References [edit source]

The 2017 version of this article has passed academic peer review and been published in the journal PLOS Computational Biology [i] The published version can be read and cited

here and the peer review here.

Published version

i. A Lowe R, Shirley N, Bleackley M, Dolan S, Shafee T (2017). "Transcription technologies" . PLOS Computational Biology. 13 (5): e1005457. PMC 5436640 @. PMID 28545146 @. doi:10.1371/journal.pcbi.1005457 @.

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Transcriptomics technologies From Wikipedia, the free encyclopedia Transcriptomics technologies are the techniques used to study an organism's transcriptome, the sum of all of

its RNA transcripts. The information content of an organism is recorded in the DNA of its genome and expressed through transcription. Here, mRNA serves as a transient intermediary molecule in the information network, whilst non-coding RNAs perform additional diverse functions. A transcriptome captures a snapshot in time of the total transcripts present in a cell.

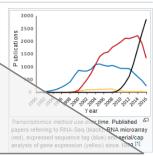
The first attempts to study the whole transcriptome began in the early 1990s, and technological advances since the late 1990s have made transcriptomics a widespread discipline. Transcriptomics has been defined by repeated technological innovations that transform the field. There are two key contemporary techniques in the field: microarrays, which quantify a set of predetermined sequences, and RNA-Seq, which uses high-throughput sequencing to capture all sequences.

Measuring the expression of an organism's genes in different tissues, conditions, or time points gives information on how genes are regulated and reveal details of an organism's biology. It can also help to infer the functions of previously unannotated genes. Transcriptomic analysis has enabled the study of how gene expression changes in different organisms and has been instrumental in the understanding of human disease. An analysis of gene expression in its entirety allows detection of broad coordinated trends which cannot be discerned by more



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The wider Wikimedia Ecosystem

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INCUBATOR

















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- Standardised, centralised, highly interlinked

Statements, sources, and connections to other databases

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Q42	P69	Q691283
Douglas Adams	educated at	St John's College

PROJECT AND COLLABORATION FORMATS

Institutional / Long-term Wikipedian in Residence Formal, ongoing partnerships

Repeating meetups Edit-a-thons / Wikibombs

Individual / Short-term Treasurehunts (content, images, citations) Edit training (Wikipedia, Wikidata, Commons)

INTERNATIONAL PROJECTS

- WikiMedia chapters (e.g. Wikimedia.org.au)



- Wikipedia in Education

Wikipedia editing as part of assessed student coursework

- GLAMWiki

Documentation, Digitisation, Reference hunting, Digital integration

- WikiJournals

Academic journals that dual-publish 1) stable version of record, 2) into Wikipedia

- ORCID integration
- WikiCite
- 1Lib1Ref

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ResearchGate	Thomas Shafee
LinkedIn	Thomas Shafee

Journals

WikiJournal of Medicine (WikiJMed.org) *WikiJournal of Science* (WikiJSci.org) *PLOS* (TopicPagesWiki.plos.org)

Wikipedia

My userpage

Search "User:TShafee"

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