

# Researcher perspectives on attribution, contributorship and new forms of scholarly communication

Preliminary survey results

**International Workshop on Contributorship and Scholarly Attribution**

**Hosted by IQSS at Harvard on Wednesday May 16, 2012**

# Background

- 180 respondents
- What contribution they make to traditional articles
- What is an intellectual contribution
- What is worthy of authorship credit
- What forms of communication they use
- How these compare to “The Article”

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## Thinking about papers to which you have contributed to in the last two years, which aspects were you involved with / gauge the intellectual contribution

Interpretation of results	4.66	Contribution of reagents / materials / analysis tools / equipment / personnel / patients	4.29
Critical review and revision of manuscript	4.60	Statistical analysis of the data	4.24
Conception of project / research project	4.56	Direct oversight and management for this project	4.19
Development of research design	4.50	Management of the laboratory and supervision of researchers	4.13
Performing the literature search	4.47	Preparing graphics, video etc.	4.12
Responsible for the overall research findings	4.47	Other administrative, technical, or material support	3.95
Assurance of data accuracy and completeness	4.45	Funding procurement	3.88
Development of analytical approach	4.41	Designing computer code / algorithms	3.58
Responsibility for day-to-day execution of experiment	4.36	Creating computer-based workflows	3.55
Direct oversight and management for the manuscript	4.35	Programming computer code / algorithms	3.46

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Considering in general the papers you have read in the last 2 years; please indicate your agreement with the following statement: "In most cases, people responsible for the contributions below should be listed as authoring contributors."

Interpretation of results	2.55	Performing the literature search	1.30
Responsible for the overall research findings	2.48	Designing computer code / algorithms	0.93
Conception of project / research project	2.39	Management of the laboratory and supervision of researchers	0.80
Development of experimental design	2.27	Preparing graphics, video etc.	0.80
Responsibility for day-to-day execution of experiment	2.10	Programming computer code / algorithms	0.77
Statistical analysis of the data	1.96	Creating computer-based workflows	0.72
Assurance of data accuracy and completeness	1.94	Contribution of reagents / materials / analysis tools / equipment / personnel / patients	0.57
Direct oversight and management for the manuscript	1.92	Funding procurement	0.38
Direct oversight and management for this project	1.70	Other administrative, technical, or material support	-0.35
Critical review and revision of manuscript	1.65		

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## Does intellectual contribution deserve authorship credit?

Interpretation of results	0	Performing the literature search	-7
Responsible for the overall research findings	4	Designing computer code / algorithms	5
Conception of project / research project	0	Management of the laboratory and supervision of researchers	0
Development of experimental design	0	Preparing graphics, video etc.	0
Responsibility for day-to-day execution of experiment	4	Programming computer code / algorithms	4
Statistical analysis of the data	5	Creating computer-based workflows	2
Assurance of data accuracy and completeness	-1	Contribution of reagents / materials / analysis tools / equipment / personnel / patients	-7
Direct oversight and management for the manuscript	1	Funding procurement	-2
Direct oversight and management for this project	3	Other administrative, technical, or material support	-4
Critical review and revision of manuscript	-9		

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## What forms of scholarly communication do you engage in?

Contributing to scholarly articles / letters	142	Nano-publication (e.g., publishing core scientific statements with associated context)	12
Peer review	132	Sharing or using experimental methodologies (e.g., via myexperiment.org)	17
Editing a journal	34	Sharing or using collections of annotated references (e.g., via mendeley.com, www.citeulike.org)	24
Publishing Journals and Books	49	Blogging	25
Hosting a scholarly website	17	Tweeting	25
Data deposition	21		
Database annotation	13		
Public discussion / commenting	62		

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