Using an Adapted Tool to Transform Medical School Faculty Evaluation of Open Access Journals and Lead to Wider Campus Acceptance of Open Access Publishing

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Objectives

- Review an openly available adaptation of a journal selection bibliography for health sciences educators from the Association of American Medical Colleges (AAMC)

- Describe the info-sheet format as a potential tool to overcome faculty "predatory journal" anxiety in other research areas

Association of American Medical Colleges (AAMC) Annotated bibliography of journals for educational scholarship

Provides detailed information about:

- Topics
- Types of manuscripts
- Audiences for over 60 journals

Academic Emergency Medicine

- Society for Academic Emergency Medicine, John Wiley & Sons, Inc., Publisher
- Published Quarterly, Online only
- Jeffrey A Kline, MD (Editor-in-Chief)
- Peer-Reviewed
- Indexed in MEDLINE and others
- http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1553-2712

Description: *Academic Emergency Medicine* (AEM) is the official monthly publication of the Society for Academic Emergency Medicine (SAEM) and publishes information relevant to the practice, educational advancements, and investigation of emergency medicine. It is the second-largest peer-reviewed scientific journal in the specialty of emergency medicine.

Topics: Subject matter is diverse, including preclinical studies, clinical topics, health policy, and educational methods. This includes clinical trials, observational cohort studies, other human subject studies, innovative diagnostics and therapeutics, concept papers, clinical controversies, economic or policy research, health services research, laboratory science, basic science studies, and volunteer human non-patient studies).

Types of Manuscripts: Original contributions, brief reports, commentaries, Biros Section on Research Ethics, Special contributions, Research methods and statistics, clinical pathologic conferences, evidence-based diagnostics, correspondence, media reviews, resident portfolios, reflections, Dynamic Emergency Medicine

Audience: Educators who are emergency clinicians and who teach residents.

Quality Indicators for Journals of Medical Education Scholarship – 2016 & 2017

Author Archive	Currently in PubMed	Quartile rank in 2016		Journal title
		Web of Science	Scopus	
Pre	Yes	Q1	Q1(S)	Academic Emergency Medicine (added 2017)
				Academic Emergency Medicine Education Training (added 2017)
Pre	Yes	Q1	Q1(E,M)	Academic Medicine
OA				Academic Pathology (added 2017)
Pre/Post	Yes	Q1	Q1(S)	Academic Pediatrics
Pre/Post	Yes	Q2	Q2(E,M,S)	Academic Psychiatry
Pre/Post	Yes	Q2	Q1(S)	Academic Radiology
Pre/Post	Yes	Q2	Q1(E,M)	Advances in Health Sciences Education
Pre	Yes	Q3	Q3(S)	Advances in Physiology Education
OA	PMC only			AERA OPEN
Pre/Post	Yes	Q1	Q1(M)	American Journal of Medicine

- MEDLINE – is it where my audience would look?
- Quartile rankings in Web of Science (WoS) and Scopus – do I have some indication of journal quality?
- Author Archiving – how "open" is it?
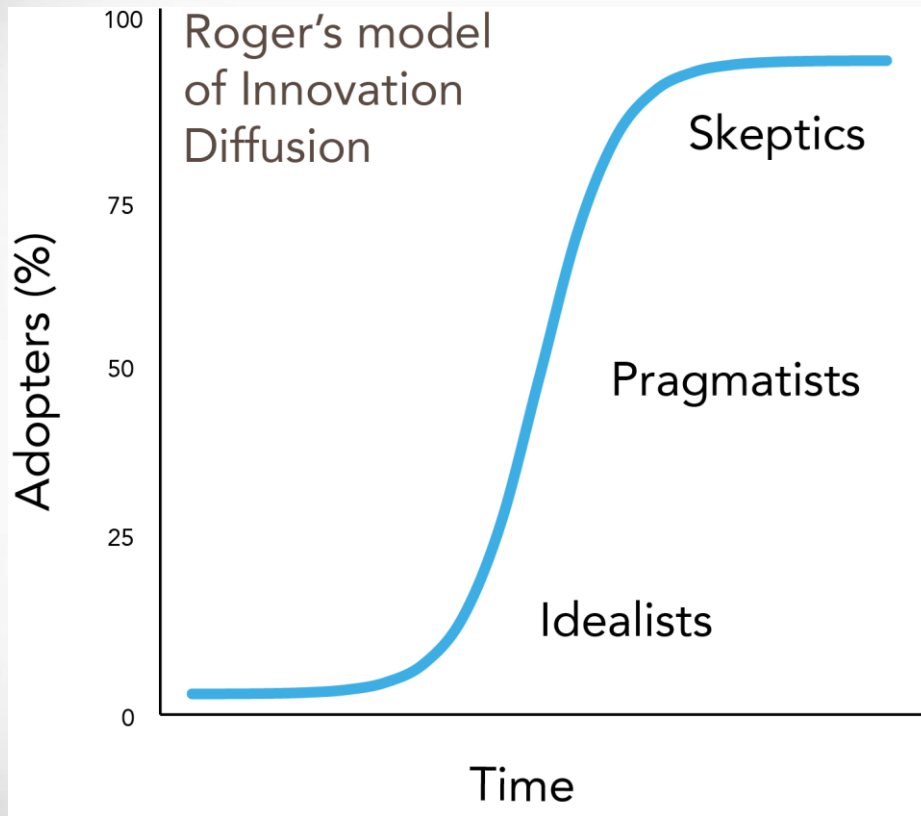
Unexpected Uptake

- Dissemination
  - Placed PDF in TAMU OAKTrust repository
  - Link in the Medicine LibGuide
  - sent emails to College of Medicine faculty, liaisons, the bibliography editor and a few other people
- April 2017 thru May 2018 - 979 downloads

Total Visits Per Month

	November 2017	December 2017	January 2018	February 2018	March 2018	April 2018	May 2018
Quality ...	0	10	46	24	24	17	8
Quality ...(legacy)	69	33	0	0	0	0	0

Systemic Change in Scholarly Publishing

Roger's model of Innovation Diffusion

Skeptics

Pragmatists

Idealists

Adopters (%) — 0, 25, 50, 75, 100

Time

Faculty Publishing in New Venues

- Trust
- Scholarly Reputation
- Valued by Scholarly Community

COM Research Disciplines Pilot

Heavily basic sciences, *some* open access publishing

Would a similar info-sheet focused on OA journals have similar uptake and increase OAKFund author fee underwriting applications?

The Search for a Pilot Approach

- Email Neurosciences department head explaining the idea, asked for faculty partner suggestion

- Check the WoS categories for publications from our heavy Neuroscience researchers…"Other"

- Email a PI heavily interested in mentoring new faculty and helping them publish…interested?

Do It Anyway – Stroke lab

- Selected a research group in the Neurosciences that studies effects of gender on strokes
  - Young women less likely to have strokes than men
  - After 50+, incidence is similar, but the strokes are more severe in women
  - Women can have different post-stroke complications
  - WoS publication categories included Neurosciences, Endocrine and Metabolism, Aging

Do It Anyway - "Proof of Concept"

SCHOLARS @TAMU

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

- Extract all publications with the word "stroke" in the title or abstract from researcher information system, pick out OA journals, add indicators

- Pick the Top WoS category from the lab's list, find similar category in DOAJ, add all English full text journals (with indicators)

- Email copy to PI, ask to meet, slide a copy under door

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Now what?

About to move on to Postdoc Association…
45 days later…an email

We meet…Way cool, BUT

- Last 10 years only
- If it's not in PubMed, not interested
- Q1 and Q2 only
- Where's *Stroke*?
- Also interested in areas they would like to publish…

Proof of Concept – Iteration #2

- All publications with word "stroke" in title or abstract - last 10 years, OA *and* subscription
- Pick the Top WoS category from the lab's list, find similar category in DOAJ, add all English full text journals in Q1/Q2 *and* in PubMed
- Add WoS Top 10 Avg journal impact factor for that category
- Add indicators and sort

Validation with PI Pending

Title	in MEDLINE	WoS Quartile	Scopus Quartile	Open?	Archive	Notes
Neurobiology of Disease	Yes	Q1	Q1	Hybrid	Pre/Post	T
Neuron	Yes	Q1	Q1	Hybrid	Pre	W10
Progress in Neurobiology	Yes	Q1	Q1	Hybrid	Pre/Post	W10
Social Cognitive and Affective Neuroscience	Yes	Q1	Q1	Yes	Pre/Pub	
Translational Psychiatry	Yes	Q1	Q1	Open	All	
Trends in Cognitive Sciences	Yes	Q1	Q1	Hybrid	Pre	W10
Frontiers in Aging Neuroscience	PMC only	Q1	Q1, Q2	Gold Seal	All	T
Frontiers in Neuroanatomy	PMC only	Q1	Q1, Q2	Gold Seal	All	
Behavioral and Brain Sciences		Q1	Q1, Q2, Q3	Hybrid	Pre/Post	W10
Frontiers in Neural Circuits	Yes	Q2	Q1	Gold Seal	All	
Frontiers in Neuroscience	PMC only	Q2	Q1	Gold Seal	All	
ASN Neuro	Yes	Q2	Q1, Q2	Yes	All	
Frontiers in Behavioral Neuroscience	PMC only	Q2	Q1, Q2	Gold Seal	All	
Journal of Neurodevelopmental Disorders	Yes	Q2	Q1, Q2	Gold Seal	All	
Journal of Neuroendocrinology	Yes	Q2	Q2, Q2, Q1, Q1	Hybrid	Pre	T

Outreach Ongoing

Using Quality Indicators to Elude Open Access Publishing Predators and Capture Credible Impact

Main campus OA Working group has met to discuss criteria for their disciplines

Lessons Learned

- Piloting – try, try again
- Focus on faculty whose priorities match what you have to offer
- Faculty want subscription "touchstones" – give it to them, but look for a way to show a nearby OA journal that's just as "safe"
- Let THEM determine the criteria => ownership

Next Steps

- Post in OAKTrust and promote
    - Other COM research groups and Neurosciences
    - Interested subject liaisons in the library
    - PI will send link to colleagues in her field
- Seek similar projects with other groups
- Track OAKFund applications and OA publication practices of faculty in the info-sheet groups

Questions or Comments?

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