# Welcome to the 17th Annual EMUG BOSTON





## EMUG 2019



#### The Road Ahead

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## To 17.0 and Beyond

Beta to begin March/April 2020 Upgrades June/July 2020

#### Security, Privacy & GDPR

Keeping data secure and private is a top priority for Aries!

GDPR – ongoing changes based on your feedback!

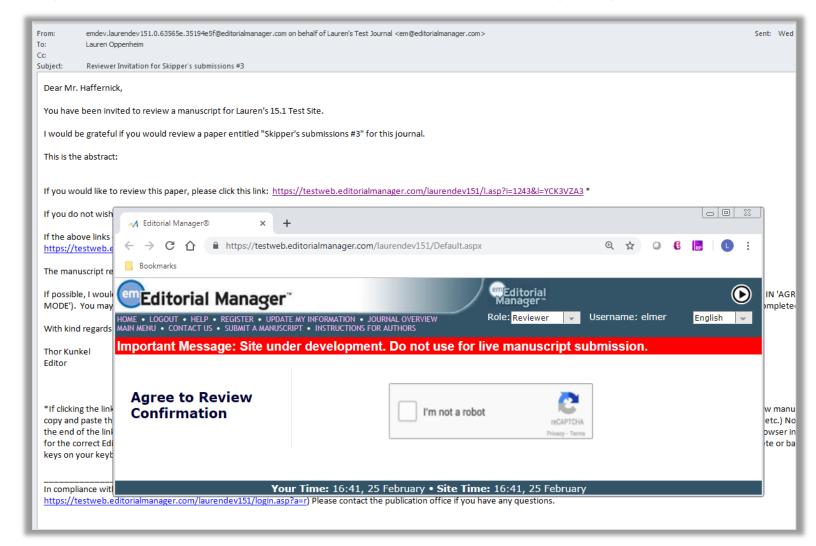
#### **REMINDER:**

- Data Controller the entity that determines the purposes, conditions, and means of processing personal data.
- Data Processor processes personal data on behalf of the Data Controller.
- Under these terms,
  - The Publisher, Society, or Journal is the Data Controller (Journal staff implement Data Controller policies)
  - Aries Systems Corporation is a Data Processor

#### **CAPTCHA** to shield deep links from email security systems

Email security systems analyze URLs in the body of email messages by clicking the links. This interferes with the behavior of deep links that perform an action in EM (e.g., accepting/declining review invitations): users complain that invitations have already been accepted or declined before the message is even opened.

When the user clicks an Agree or Decline deep link in an email, the existing landing page is opened presenting a CAPTCHA test.

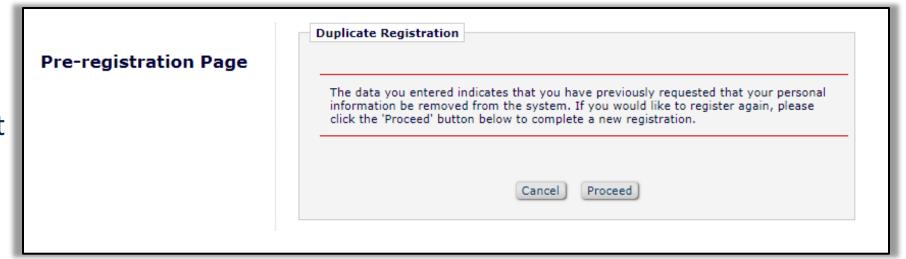


#### Do Not Allow Anonymized Users to be Proxy Registered

Editors are prevented from proxy-registering a user who has previously asked to be removed.

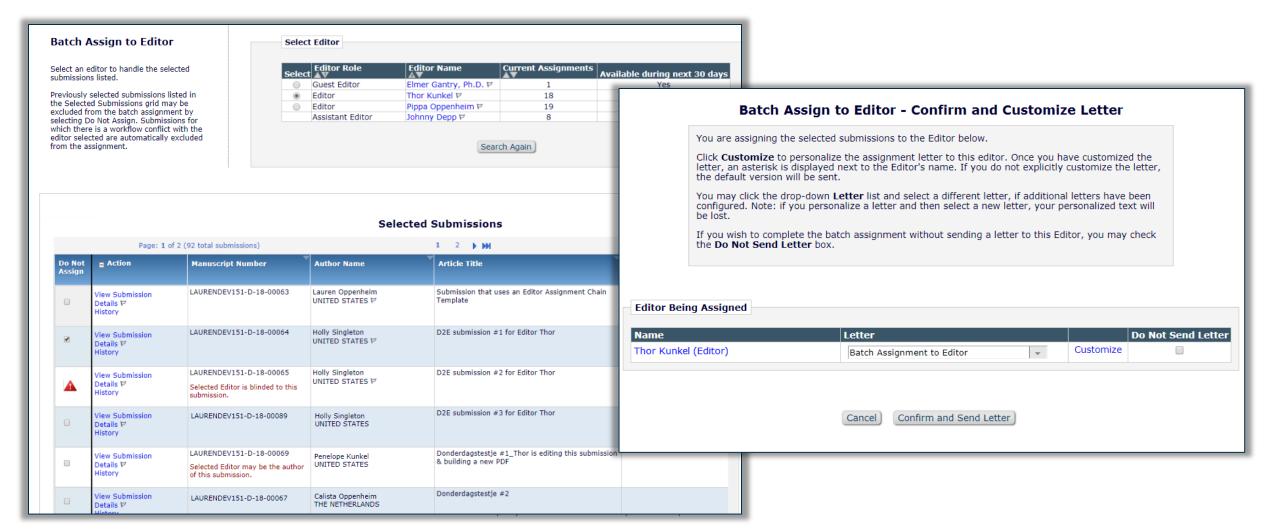


Users who are selfregistering will see an alert that they were previously removed, but are allowed to proceed.



#### **Shortcuts for Editors and Editorial Staff**

**Batch Editor Assignment** – be able to assign multiple submissions to a single Editor at once, send just a single email to that Editor, allow editor to accept or decline assignments in batch.



## **Batch Article Type Configuration**

Change configurations across multiple Article Types at once.



#### **Edit Multiple Article Types**

Select the Article Types to which these settings should be applied:

Research Paper AReview
Short Article

This will be a block of instructions informing the user how this page works. The full text of these structions will be determined in the spec.

- Duplicate submission Check
  - Check for duplicate submissions to Editorial Manager
- ✓ Stat viewer Analysis
  - Send Reviewer PDF when Transfer Complete link is clicked
    - Send Reviewer PDF when New Submission Received
  - Send Reviewer PDF on Tech Check Completion
  - Send Reviewer PDF at First Editor Assignment
  - Send Reviewer PDF at First Revision

#### Bibliometric Intelligence

Author Parameters

Number of days Author has to Revise Submission:

Same for all Revision Decisions

Subsequent Revisions

> Set this value to zero if you do not want to use Revision Due Dates.

By Revision Decision Term

Authenticated ORCID iD Request:

New Revised Submission Submission

Hidden - Hidden

First

Revision

ΑII

Revisions

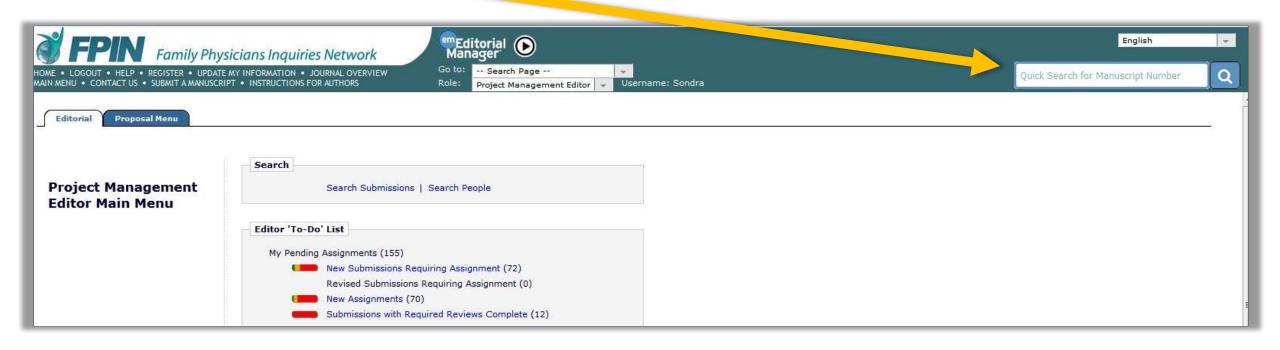
Set this to Optional to ask the Corresponding Author to retrieve and/or authorize their ORCID iD when submitting a manuscript. Set to 'Required' to further prevent submission if they do not then retrieve

their ORCID iD.

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#### **Shortcuts for Editors and Editorial Staff**

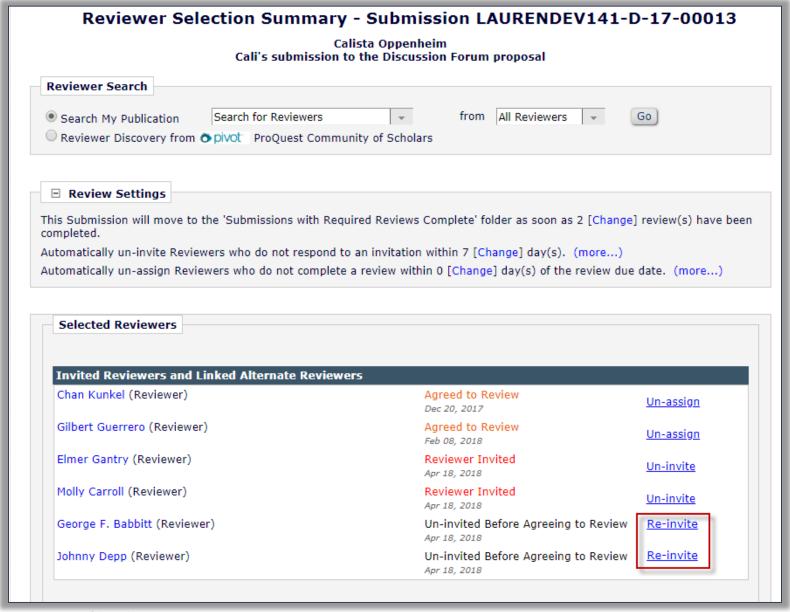
**Quick Search Box** – field in menu bar to enter a ms number and quickly find a submission, without going to the Search Submission tool.



#### **Shortcuts for Editors and Editorial Staff**

#### **Re-invite Reviewer Link**

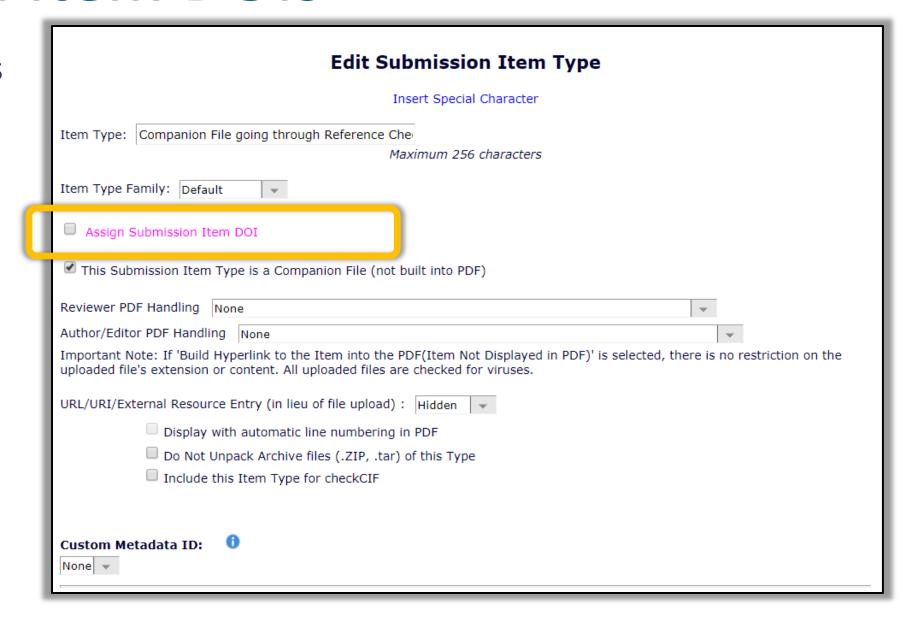
a quick way to reinvite/assign Reviewers
who declined or got uninvited, but then later
agree to do the
assignment.



#### **Submission Item DOIs**

Assign individual DOIs to Submission Items (such as figures and supplementary materials).

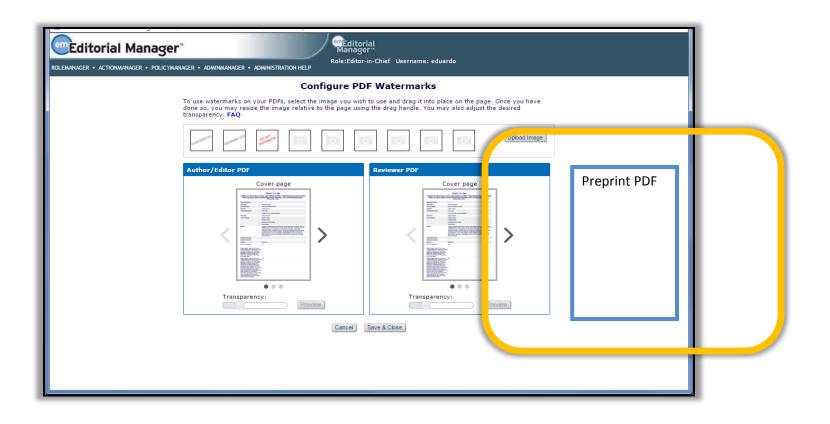
Transmit the
Submission Item DOIs
in the JATS XML in a
production task or
Editorial Transmittal.

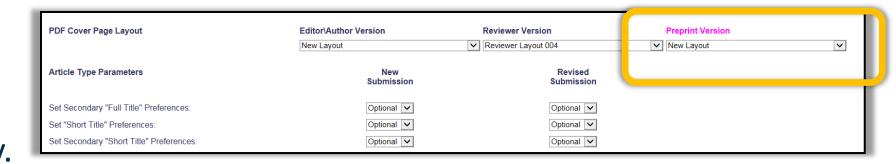


#### Third PDF

A new option allows the publication to created a third PDF that can be used for any purpose, with it's own unique cover page and watermarks.

For example, it can be used to create a PDF that can be sent to a preprint server or institutional repository.

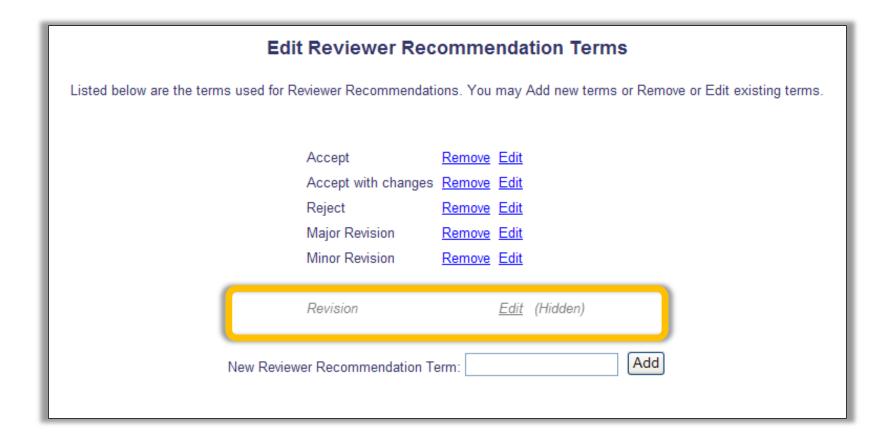




#### **Hide Reviewer Recommendation Terms**

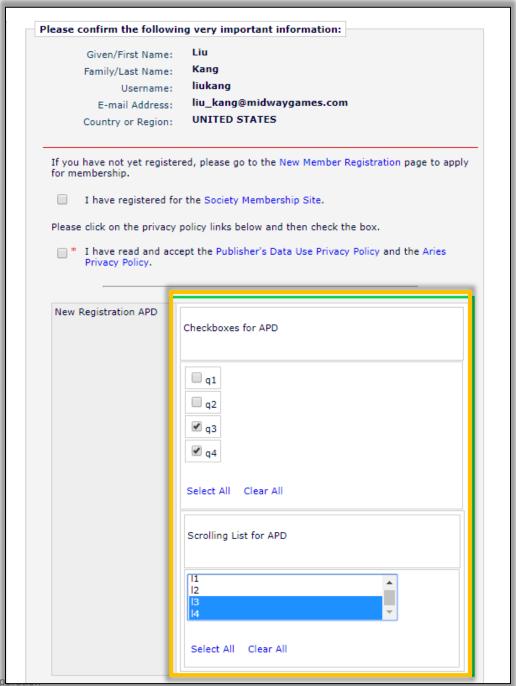
Currently, publications
have no way to remove
Reviewer
Recommendation Terms
that have been used
previously.

Similar to Editor Decision Terms, existing Reviewer Recommendation Terms can be 'hidden' as needed (while maintaining all historical submission usage).



#### APD Field List Response Options

- The current List field type in the "Edit Additional People Detail Field" page only allows for the configuration of a single-value selection dropdown list.
- New functionality will allow users to select more than one value when working with APDs



#### **APIs and Web Services**

#### **Customers have:**

- Preferred technology partners
- Third party services
- In-house tech and products
- Vendors

APIs – allow integration with other systems in a generic and non-proprietary way

#### **General Purpose Transactional API and Web Services**

**Notification Services** that use webhooks to deliver messages to customer-specified endpoints as workflow events occur.

 Users can configure endpoints to which notifications should be sent, and select the workflow events that will trigger these notifications

Web Services that allow users to retrieve data using a GET method.

- Publications has a Web Services account registered with Editorial Manager
- These accounts will be configured by Client Services
- Publication sends the request in the specified format, and results are returned
- Information delivered in either XML or JSON

#### Aries historic approach

**Aries has several APIs –** purpose-built, created to interact with a third party system, or workflow purpose

**Aries has a general purpose API –** webhooks deliver messages to endpoints as events occur; publication sends request and results are sent

#### **Going forward**

Increase number and flexibility of general APIs – different services and systems require different types of APIs; workflow and integration points must be considered

#### **General Purpose Transactional API and Web Services**

We are looking to our customers to define how this general API should be enhanced, and to prioritize those additions. Some general improvements:

- Make more fields and tables accessible via the API
- Be able to receive data from other systems
- Be able to write to, and replace data in the EM/PM database
- Be able to send files via the API
- Be able to receive files via the API

#### **General Purpose Transactional API and Web Services**

Expanding the API to to return production-specific information.

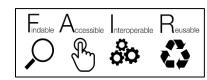
Will use the same credentials and authentication mechanism as the existing EM Web Services calls.

Actual Online Publication Date  Article Type Nam Black and White Image Count		
Article Type Nam		Ischadula Graup Vaar
Date First Entered	Color Image Count	Schedule Group Date Closed
Date Production	Production Status	Schodula Croup Data Da ananad
Date Production	Target Number of F	Controlling Group Indicator
<b>Date Final Dispos</b>	Submission Target	Target Table of Contents Position
Unique Documer	Submission Target	Target End Page
DOI	Submission ranger	Target Start Page
Article Title	Submission Target	Schedule Group TOC Last Modified
Submission Actua	EM Production Stat	Task element containing multiple records for the following sub-elements (o
Final Decision Da		record for each tack accignment)
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Preprint DOI	Schedule Group Bla	
Production Notes	Schedule Group Co	Assignee First Name
Submission Actua	Schedule Group De	Assignee Last Name
Manuscript Num	Schedule Group ID	Assignee Middle Name
Submission Actua	Schadula Group No	Assigned ID
Submission Actua	Schodula Graup Da	Assignee's Role
Dublish With ID	Target Publication I	Assignment Date
Initial Date Suhm	Schedule Group Ta	Custom Metadata ID
Revision Number		
	Target Publication I	Assignor Last Name
Actual Print Page	Target Dublication	Assignor Middle Name

#### **Repository Integration via API**

Repositories and data trusts, both commercial and institutional, are used to store large data sets, image banks, video libraries and code snippets.

FAIR data!



API allows direct upload to repository.





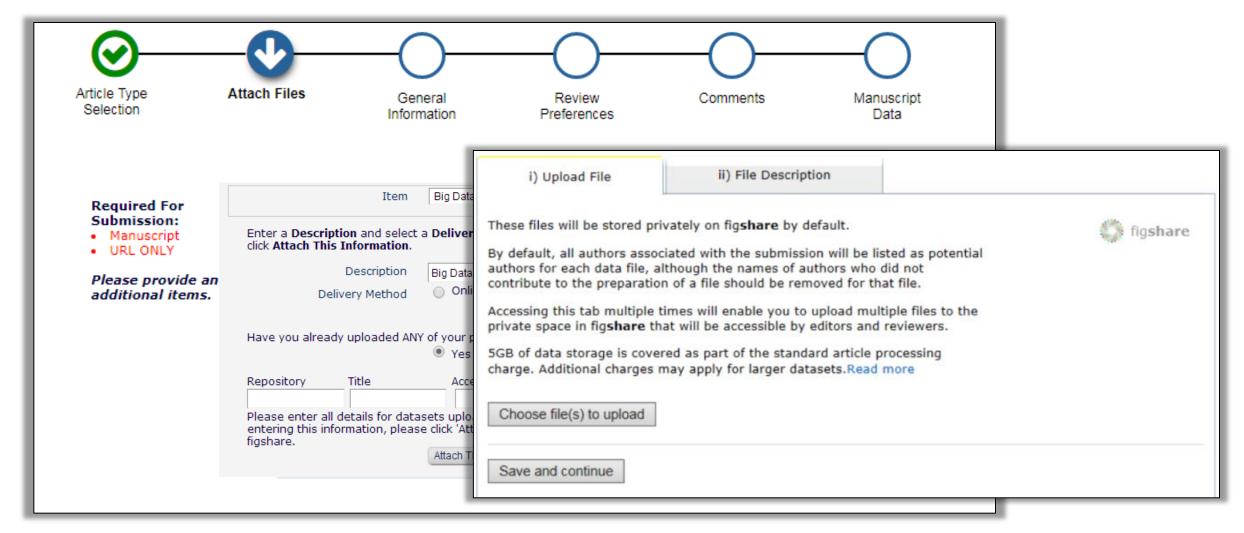






#### **Repository Integration via API**

An easy way to submit data sets to repositories.



#### Al Integration via API

Manuscript evaluation tools that use advanced machine intelligence and natural-language understanding to help assess quality by examining the structure, declarations, statistics, referencing, and other manuscript elements.

Manuscript Quality Assessment

- Unsilo Manuscript QA
- Penelope.ai manuscript QA
- Ada Editage manuscript QA
- Ripeta reproducibility assessment
  - SciScore SciCrunch research resource identifier

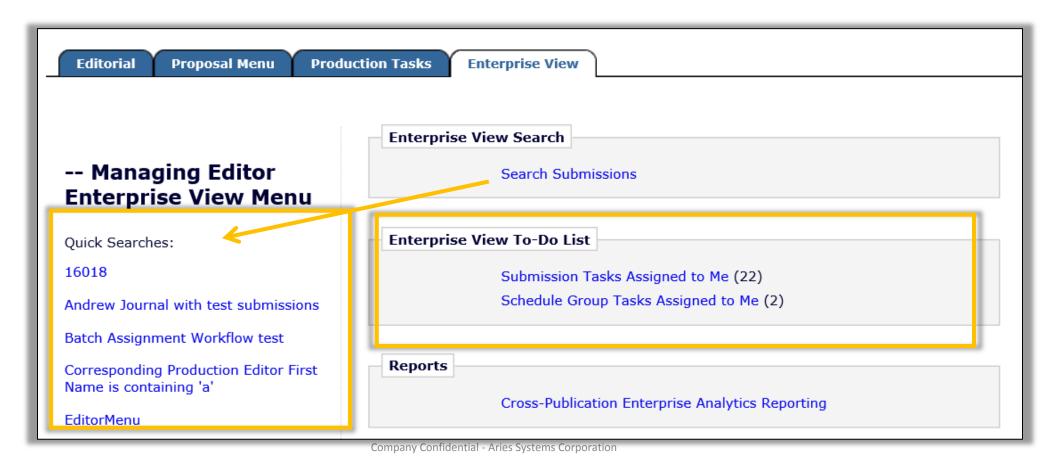
#### **Production Tracking – Enterprise View**

Production tracking in ProduXion Manager (PM) follows the Editorial Manager model of "one journal, one site". This means the Production Tasks menu provides searching and visibility to submissions and tasks on the single journal level. However, many users involved in the production process work across publications, especially those managing the work.

SOLUTION: Provide a Cross-Publication Production Tasks menu that combines submissions and tasks from multiple PM sites, so that the user can log in to one site to perform tasks assigned to them from any PM site, and/or to manage submissions in production across the PM sites.

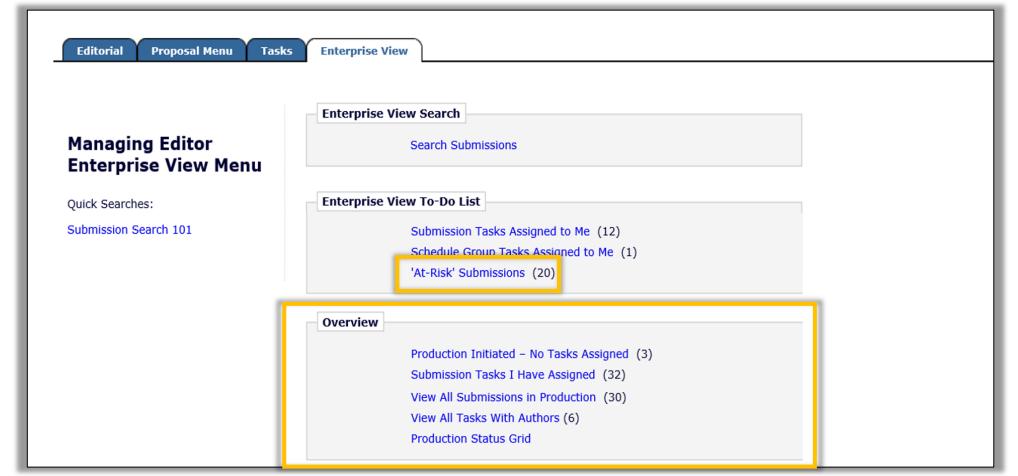
#### **Enterprise View**

- Contains links and folders that combine all pubs that a user can access
- Quick Searches are saved searches that can include results from across pubs
- To Do List has all tasks assigned to logged-in user across all pubs



#### Phase 2 – Enterprise View

 Still in design phase, but the goal is to extend this functionality to additional folders and possibly the Production Status Grid





#### LiXuid Manuscript™

Phase 1: Xtract – Released 2017 – v.15.1

Phase 2: Production-focused XML tools – Released 2019/2020

Phase 3: Moving XML into the peer review workflow – 2020+

#### Phase 1 – Metadata Extraction on Submission

- Already released to all customers
- XML used behind-the scenes
  - Word doc part-converted to XML
  - XML used to populate EM
- Part of new submission UI:

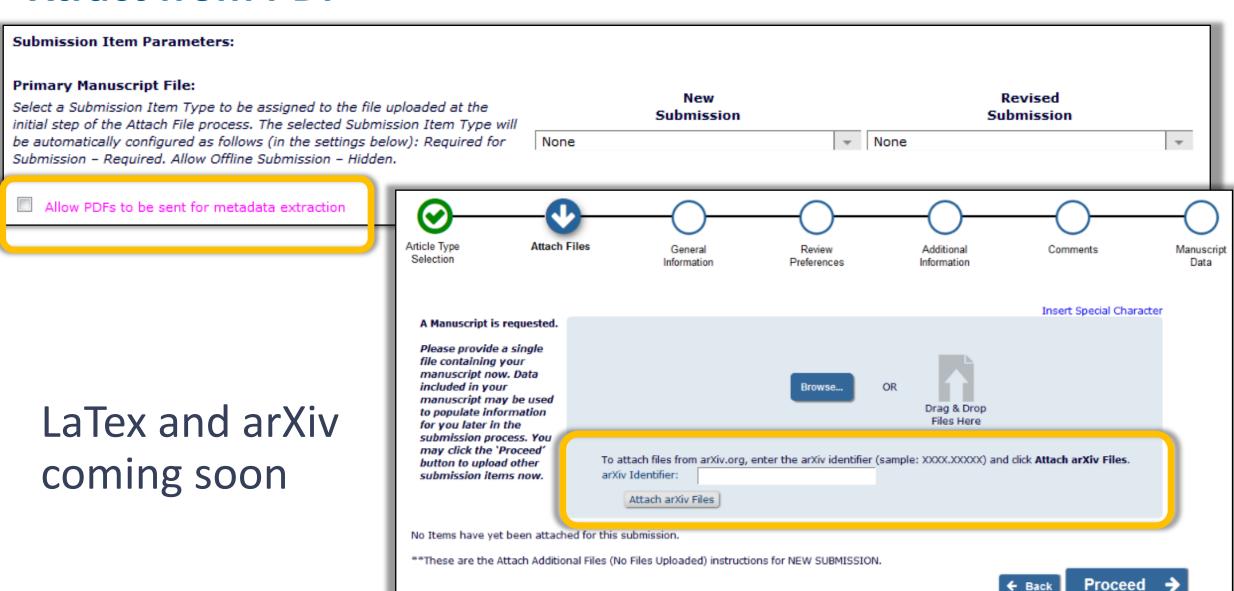


#### **Submit Manuscript – Xtract**

#### Planned improvements:

- Extraction from PDFs (17.0)
- Collaborative Authors (17.0)
- Discrete affiliations into separate fields
- Matching Institutions with identifiers (Ringgold, GRID, ORGID)
- Extraction of funding information from acknowledgements
- Extraction from LaTex and arXiv

#### **Xtract from PDF**

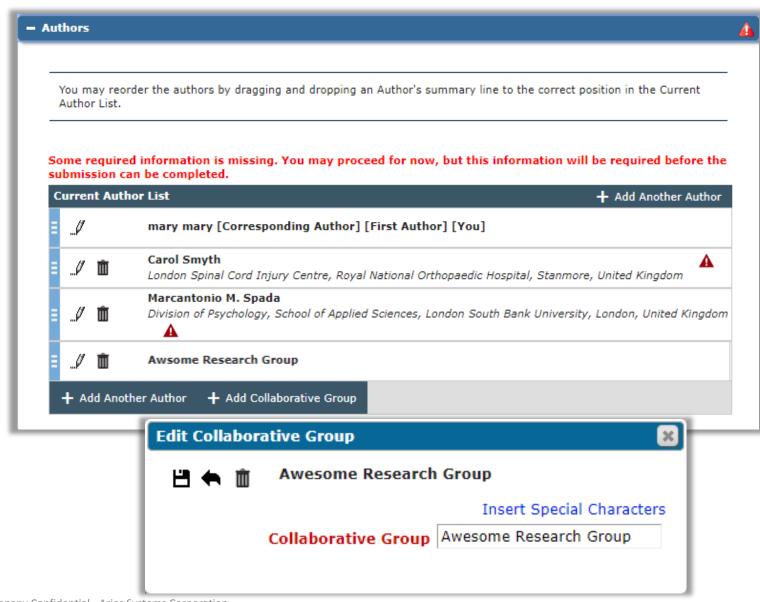


#### **Collaborative Authors**

A new author element will be created in EM to hold the name/description of collaborative author groups.

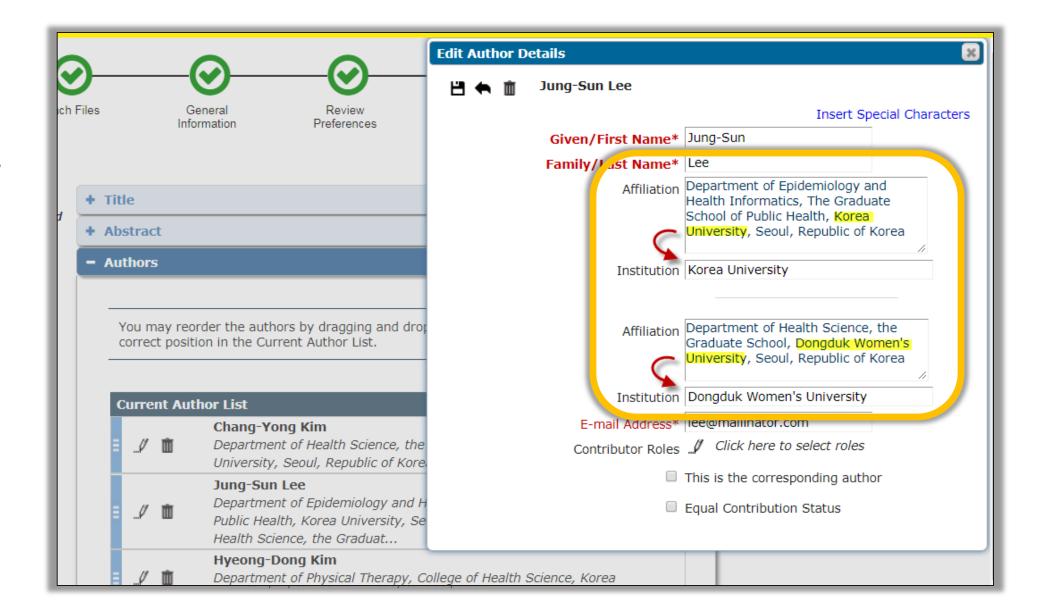
Authors and Editors will be able to add or edit collaborative author groups in any of the submission interfaces.

Collaborative author groups will not be treated as corresponding authors or co-authors except for the purposes of display in various locations and editing in the submission interface.



#### **Discrete Affiliations**

Authors and coauthors often have multiple affiliations (e.g., an academic position at a university and a medical residency at a hospital).



#### Phase 2 – Production Focused XML Tools

#### XML workflow - initiated through "tasks"

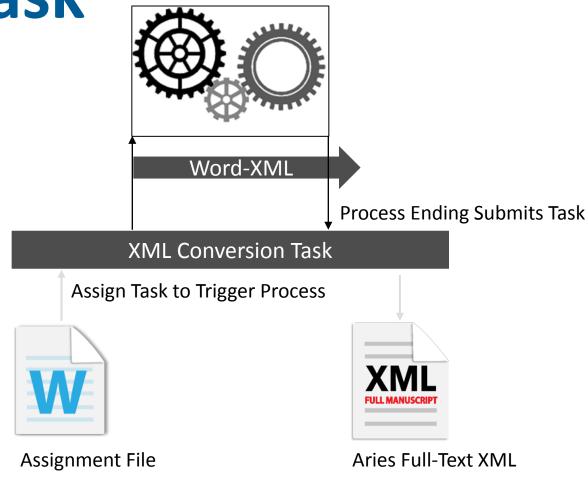
- Conversion to JATS XML
- Editing of manuscript in WYSIWYG editor
  - Tracks and Accept/Reject changes, deletions, insertions
- XML edited behind the scenes
- Auto-pagination/composition, auto-redact/tooling, etc.
- XML transforms and export





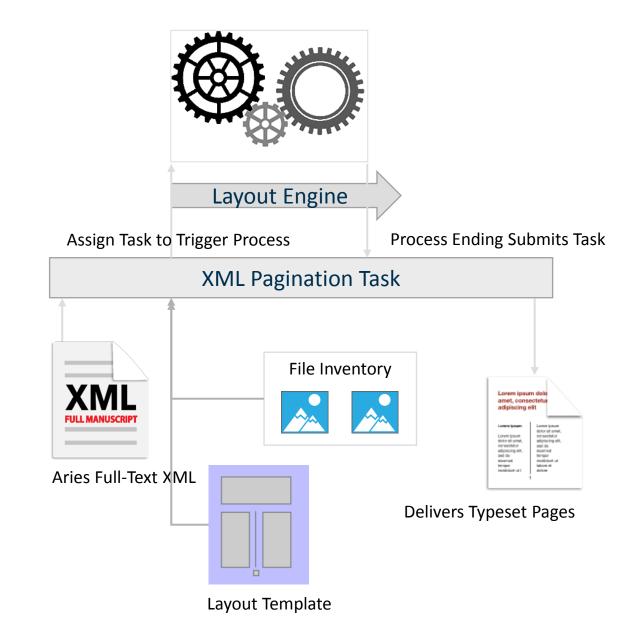
#### **Full-Text Conversion Task**

- XML Tool Task, assigned like any other
- Takes a Word document to convert as the Assignment File
- Triggers a new system process
- New software to automatically convert Word document to structured XML
  - No template needed
  - Heuristics to deconstruct files with a variety of structures
- On completion of the process, EM automatically submits the Task



#### **Pagination Tasks**

- We will integrate a layout/pagination engine
- Will reformat and layout XML for delivery
  - E.g. Print, PDF
- Based on customer layout templates
- Solo task for a single submission...



#### LiXuid Phase 3

Full manuscript conversion to JATS XML at submission

Peer review and author revisions takes place in editing environment

XML edited behind the scenes – can be exported at any time

#### **BENEFITS**

- Editor decision making: statistical and methods analysis, reviewer selection, topic relevance, other analytics
- Manuscript enrichment: taxonomy, reference linking, inline graphics
- More intuitive and contextual review
- Improved accessibility

RESULT: Improved Author, Reviewer, and Editor experience; More intuitive peer review process with contextual commenting; Greater publishing flexibility

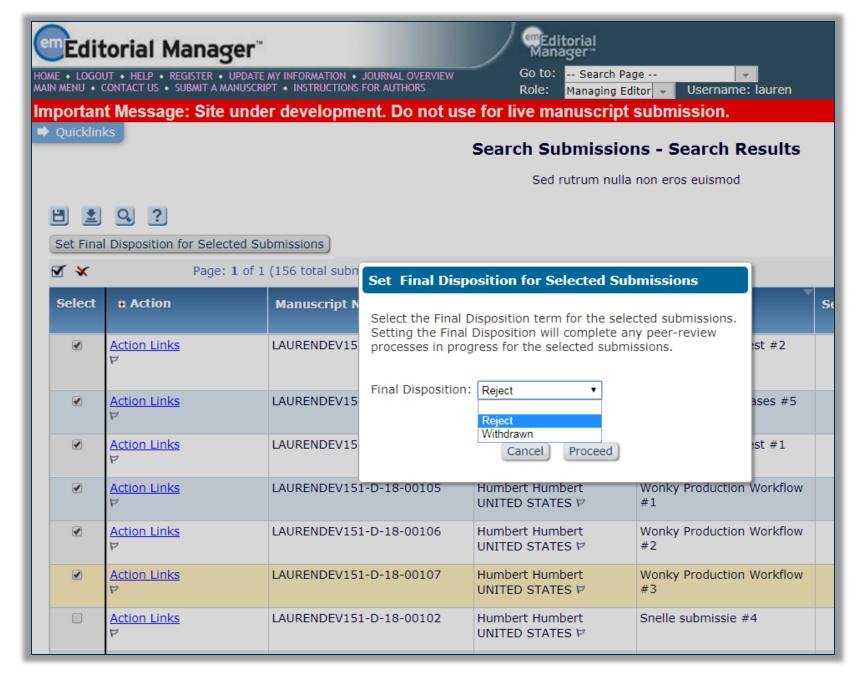
#### **Batch Configuration**

- Batch Editor Assignment —assign multiple submissions to a single Editor (17.0)
- Article Type Configuration make changes across multiple Article Types (17.0)
- Set Final Disposition set the Final Disposition for multiple submissions
- Turn On and Turn Off Flags enable or disable flags on multiple submission
- Submission Item Configuration make changes across multiple items
- Task Configuration make changes across multiple tasks
- Role Configuration change configurations across multiple sub-roles



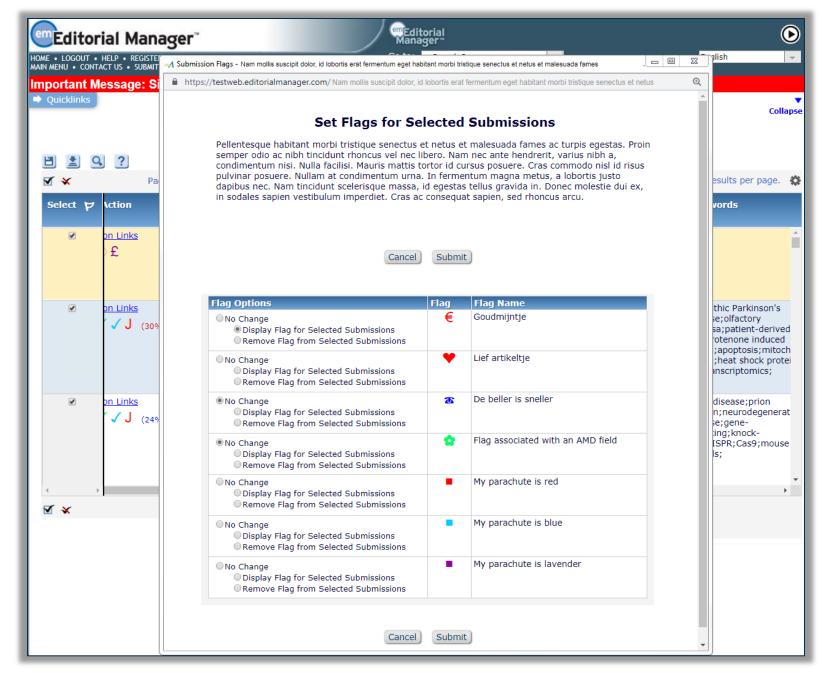
# Set Final Disposition

Set Final Disposition –
Be able to set the Final
Disposition for multiple
submissions at once

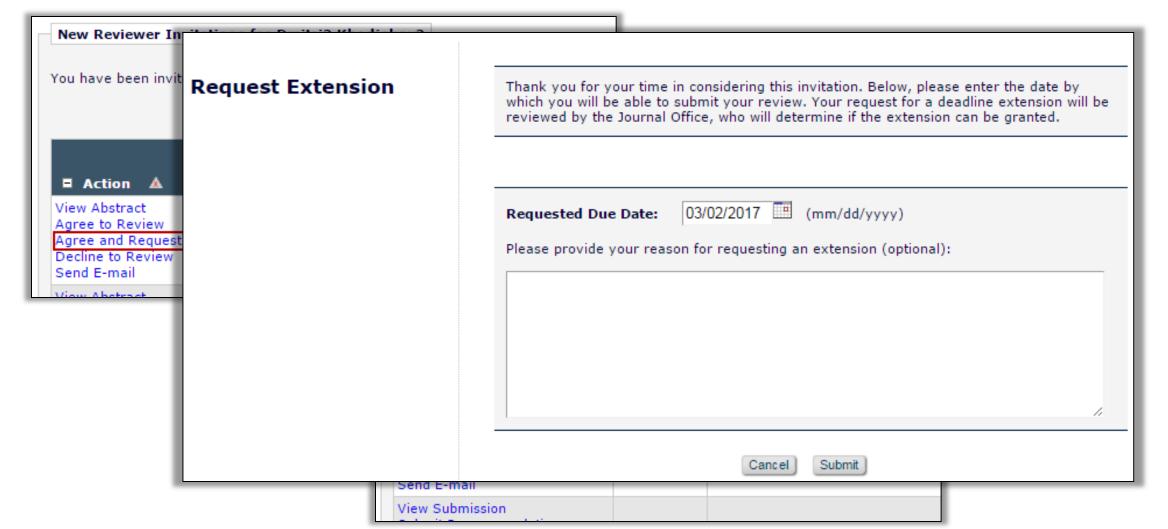


# **Flags**

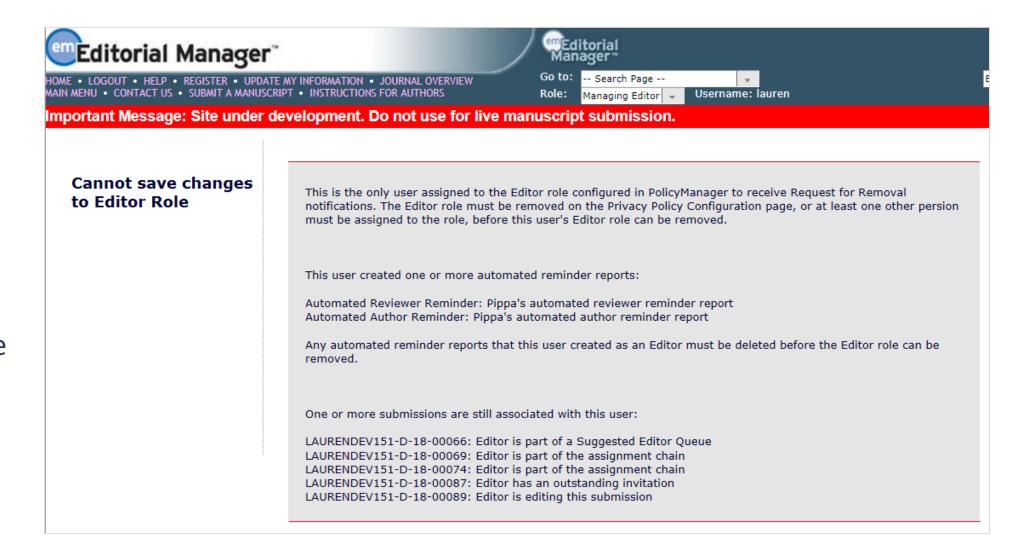
Turn On and Turn Off
Flags – be able to
enable or disable flags
on multiple submission
at once



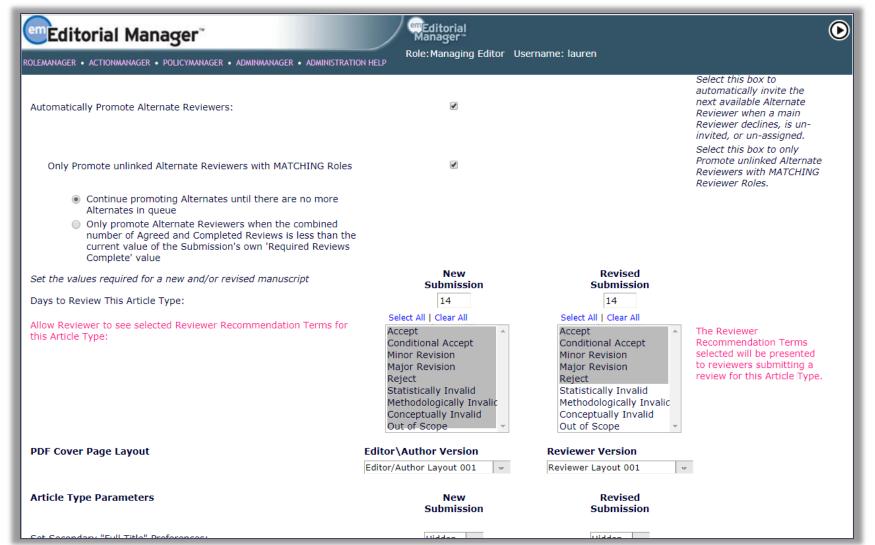
**Request and Grant/Deny Due Date Extensions** – mechanism for Authors and Reviewers to request a due date extension, and for Editors and staff to grant or deny the extension



**Removing Role Shortcuts** – easy access to close out open Editor assignments instead of hunting down each assignment that prevents the role change or people record inactivation



**Article Type Specific Recommendation Terms** – Ability to define a list of Reviewer Recommendation and Editor Decision Terms by Article Type



**Reviewer Search Preferences** – set the default Reviewer searching method, e.g., always search entire database, search for a specific Reviewer role

**Automatic Reviewer Role** – for Authors of accepted papers, grant them a Reviewer role automatically

**TechCheck Templates** – different Article Types can have different TechCheck parameters

# **Letter/Email Improvements**

**Attachments** – configure standard file attachments so that when the letter is sent from EM the attachment will automatically be included

"High Importance" designation – allow emails to be designated as High Importance on a template level and ad hoc when sending

#### **Reminder Letter Enhancements**

Configure Reminder Letters to Send by Intervals – instead of setting up multiple reports with different due dates, configure a single report the sends reminders at intervals, e.g., after 1 day, 5 days and 10 days

**Auto-reminders for Co-Authors** – automated reminders to co-authors for verification, verify and register, and completing questionnaires

## **Cross-Publication Functionality**

- Editorial Manager and ProduXion Manager: 1 journal = 1 EM site
- Publishers with a large number of journals want to make changes across multiple sites
- **Article Type Configuration** create Article Types or change configurations across multiple EM sites at once
- **Submission Item Configuration** create Submission Items or change configurations across multiple EM sites at once
- **Production Task Configuration** create Tasks or change configurations across multiple EM/PM sites at once
- **Role Configuration** create Editor and Reviewer roles or change configurations across multiple EM/PM sites at once

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#### **Conflict of Interest**

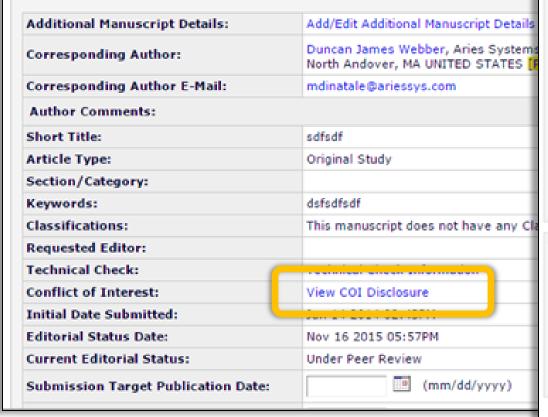
Convey is a global disclosure system developed by the Association of American Medical Colleges (AAMC) that allows publishers and societies to store conflict of interest disclosure information for authors and other members.

Publications that have an agreement with Convey are able to use this system to set up and tailor their COI policy requirements, creating a series of forms and questionnaires within the Convey interface that will be presented to users.

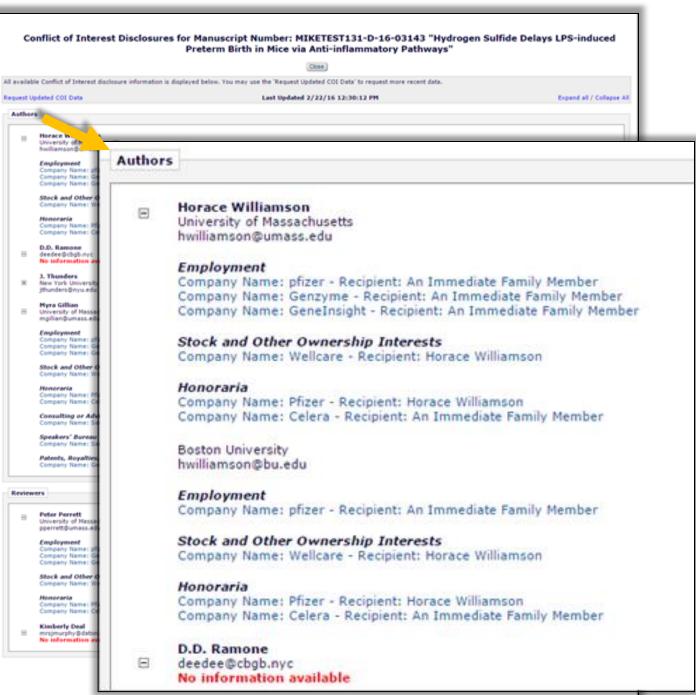
http://www.convey.org

## **Conflict of Interest**

Possible COI integration – either Editors and Reviewers to the CO or pull COI data into EM



Company Confid



# **Book Processing**

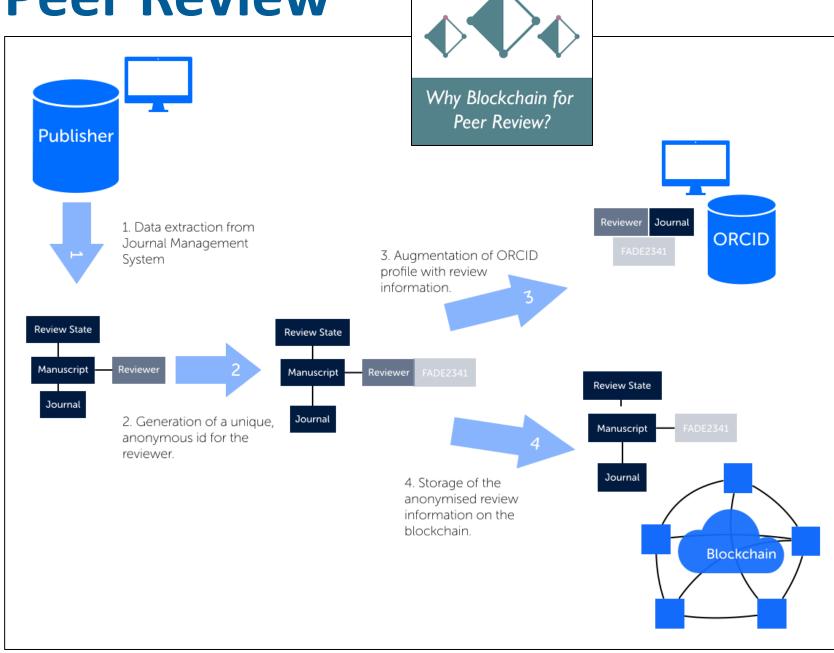
**Better Permissions** – currently, Editors have access to all books being managed in the system. New permissions will be added to allow and restrict access to the different books being processed.

**Better Book and Chapter Signalling** – Book and chapter titles are missing from some folders. These fields will be added to the grids on those folders.

**Streamlined Book Planning** – Table of Contents as a starting point.

# **Blockchain for Peer Review**

A protocol where information about peer review activities are stored on a blockchain, allowing the review process to be independently validated, to ensure recognition and validation for reviewers, while adhering to laws on privacy, data protection and confidentiality.



# **Global Identity Management**



Resource Access for the 21st Century (RA21) is a joint STM and NISO initiative aimed at optimizing access to scholarly information resources across publishers, librarians, campuses, vendors, and identity federation operators.

ORCID's vision is a world where all who participate in research, scholarship, and innovation are uniquely identified and connected to their contributions across disciplines, borders, and time.





# Questions? Thank you!

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