Welcome to EMUG 2016
Agenda

- Introduction
  - Patrick Hannon, Editorial Operations Manager, Cell Press
  - CRediT implementation in Editorial Manager
  - Alice Meadows, Director of Community Engagement & Support, ORCID
    - Existing EM ORCID Functionality
    - ORCID Review Deposit
  - Q&A
Introduction

- Increasing desire to recognize the work of individuals in the peer review process

- CRediT and ORCID will be discussed today as ways to facilitate recognition of Authors and Reviewers

- Two guest speakers
  - Patrick Hannon, Editorial Operations Manager, Cell Press
  - Alice Meadows, Director of Community Engagement & Support, ORCID
CRediT

Contributor Role Taxonomy
Agenda

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Contributor Roles Taxonomy

Open standard emerging for expressing/classifying the diverse roles played in the work leading to a research output

Emerged to address recognition that the concept of ‘authorship’ in producing scientific scholarly output is outdated

CRediT classifications include but are not limited to traditional authorship roles

Initial taxonomy classifies fourteen different ‘Contributor Roles’
  • Each person contributing to a piece of research may be assigned multiple roles from the taxonomy
1. **Conceptualization:** Ideas; formulation or evolution of overarching research goals and aims

2. **Data Curation:** Management activities to annotate (produce metadata), scrub data and maintain research data (including software code, where it is necessary for interpreting the data itself) for initial use and later re-use

3. **Formal Analysis:** Application of statistical, mathematical, computational, or other formal techniques to analyze or synthesize study data

4. **Funding Acquisition:** Acquisition of the financial support for the project leading to this publication

5. **Investigation:** Conducting a research and investigation process, specifically performing the experiments, or data/evident collection
6. **Methodology:** Development or design of methodology; creation of models

7. **Project Administration:** Management and coordination responsibility for the research activity planning and execution

8. **Resources:** Provision of study materials, reagents, materials, patients, laboratory samples, animals, instrumentation, computing resources, or other analysis tools

9. **Software:** Programming, software development; designing computer programs; implementation of the computer code and supporting algorithms; testing of existing code components

10. **Supervision:** Oversight and leadership responsibility for the research activity planning and execution, including mentorship external to the core team
CRediT Taxonomy

11. **Validation**: Verification, whether as a part of the activity or separate, of the overall replication/reproducibility of results/experiments and other research outputs

12. **Visualization**: Preparation, creation and/or presentation of the published work, specifically visualization/data presentation

13. **Writing – Original Draft**: Preparation, creation and/or presentation of the published work, specifically writing the initial draft (including substantive translation)

14. **Writing – Review & Editing**: Preparation, creation and/or presentation of the published work by those from the original research group, specifically critical review, commentary or revision – including pre- or post-publication stages
Why CRediT?

1) Provide transparency to the contributions of researchers to scholarly published work

2) Improve attribution, credit, and accountability for researchers

3) Easier searching for peer reviewers, collaborators

4) Add value to published versions (discoverability)
CRediT Integration

- Support for CRediT is added in Editorial Manager v13.0

- This implementation allows all publications to:
  - Capture Contributor Roles metadata for Authors using the CRediT taxonomy
  - Include Contributor Roles meta in transfers to other EM publications
  - Transmit Contributor Roles metadata within JATS XML

- EM will support multiple versions of the CRediT taxonomy as new iterations are created
CRediT Integration

So, how are we using CRediT?
CRediT Integration

- CRediT is built into the EM submission process starting with EM 13.0 (configurable)

- Corresponding Author can select the Contributor Roles when adding co-authors

- Editors can update information as needed when editing a submission
CRediT Integration
CRediT Integration
CRediT Integration

Contributor Roles
- Conceptualization
- Data curation
- Formal analysis
- Funding acquisition
- Investigation
- Methodology
- Project administration
- Resources
- Software
- Supervision
- Validation
- Visualization
- Writing – original draft
- Writing – review & editing
- Other:

Instructions
- Select degree
- Lead
- Equal
- Supporting

This is the corresponding author
CRediT Integration

Contributor Roles

Conceptualization: Equal
Investigation: Lead

☐ This is the corresponding author
CRediT Integration

- CRediT data collected from the Author is displayed in the interface on the Author Details and View Author Detail pages as well as the Transmittal Form
## CRediT Integration

### Author Details for Manuscript Number: Unassigned Submission for CRediT presentation

#### Corresponding Author Status

<table>
<thead>
<tr>
<th>Order</th>
<th>Author Name</th>
<th>Contributor Roles</th>
<th>E-mail Address</th>
<th>ORCID Identifier</th>
<th>Academic Degree(s)</th>
<th>Affiliation</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mary Smith</td>
<td>Conceptualization (Lead)</td>
<td>m*<a href="mailto:natalie@ariesys.com">natalie@ariesys.com</a></td>
<td>NO</td>
<td>Mayo Clinic</td>
<td>View Author Details</td>
<td></td>
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</table>

#### Other Author Status

<table>
<thead>
<tr>
<th>Order</th>
<th>Author Name</th>
<th>Added in Revision</th>
<th>Contributor Roles</th>
<th>E-mail Address</th>
<th>ORCID Identifier</th>
<th>Academic Degree(s)</th>
<th>Affiliation</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Kim Deal</td>
<td>R0</td>
<td>Validation (Lead)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Grant Hart</td>
<td>R0</td>
<td>Methodology (Lead)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Removed Authors

There are no removed authors
## CRediT Integration

### Author Details for Manuscript Number: Unassigned Submission for CRediT presentation

#### Corresponding Author Status

<table>
<thead>
<tr>
<th>Order</th>
<th>Author Name</th>
<th>Contributor Roles</th>
<th>E-mail Address</th>
<th>ORCID Identifier</th>
<th>Academic Degree(s)</th>
<th>Affiliation</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mary Smith</td>
<td>Conceptualization (equal) Data curation (equal)</td>
<td><a href="mailto:msinatalie@ariesys.com">msinatalie@ariesys.com</a></td>
<td></td>
<td>NO</td>
<td>Maya Clinic</td>
<td>View Author Details</td>
</tr>
</tbody>
</table>

#### Other Author Status

<table>
<thead>
<tr>
<th>Order</th>
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<th>Added in Revision</th>
<th>Contributor Roles</th>
<th>E-mail Address</th>
<th>ORCID Identifier</th>
<th>Academic Degree(s)</th>
<th>Affiliation</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Kim Deal</td>
<td>RO</td>
<td>Validation (equal) Visualization (equal) Writing - original draft (supporting)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Grant Hart</td>
<td>RO</td>
<td>Methodology (equal) Project administration (equal)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Removed Authors

There are no removed authors
CRediT Integration
# CRedit Integration

## Partial Transmittal Form:

<table>
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<tr>
<th>Co-Author: Author's Order</th>
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<tbody>
<tr>
<td>Co-Author: First Name</td>
<td>Kim</td>
</tr>
<tr>
<td>Co-Author: Last Name</td>
<td>Deal</td>
</tr>
<tr>
<td>Co-Author: Contributor Information</td>
<td>Validation: Lead; Visualization: Equal; Writing – original draft: Supporting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Co-Author: Author's Order</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-Author: First Name</td>
<td>Grant</td>
</tr>
<tr>
<td>Co-Author: Last Name</td>
<td>Hart</td>
</tr>
<tr>
<td>Co-Author: Contributor Information</td>
<td>Methodology: Equal; Project administration: Equal</td>
</tr>
</tbody>
</table>
CRediT Integration

- CRediT data collected from the Author is displayed in the interface on the Author Details and View Author Details pages as well as the Transmittal Form.

- Contributor Roles metadata is included during EM to EM transfers along with submission data.
CRediT Integration

- CRediT data collected from the Author is displayed in the interface on the Author Details and View Author Details pages as well as the Transmittal Form

- Contributor Roles metadata is included during EM to EM transfers along with submission data

- General Data Export and EAR allow for reporting on Contributor Roles metadata
CRediT Integration

And one last thing…
CRediT Transmittal

- CRediT metadata is incorporated into JATS transmittals
  - Initially using existing tag suite, available tags
- CRediT is supported within:
  - Submission Production Task Transmittal Methods
    - JATS 1.0A Production Task Export
    - JATS 1.1A Production Task Export
    - JATS 1.1A DTD V2 Production Task Export
  - EM Transmittal Methods
    - Single Destination Transmittal – JATS 1.0A
    - Single Destination Transmittal – JATS 1.1A
<contrib-group>

<contrib contrib-type="author" corresp="yes">
    <role content-type="1" />
    <role content-type="Conceptualization:Lead" />
    <role content-type="Formal analysis:Supporting" />
    <role content-type="Chief Cook & Bottle Washer:Equal" />
    <name>
        <surname>Mary</surname>
        <given-names>Mary m Genius</given-names>
        <prefix>Ms</prefix>
    </name>
    <contrib-id contrib-id-type="isni">ISNI 1</contrib-id>
    <contrib-id contrib-id-type="pubmed">PubMed 1</contrib-id>
    <contrib-id contrib-id-type="researcherid">ResearcherID 1</contrib-id>
    <contrib-id contrib-id-type="scopusid">Scopus 1</contrib-id>
    <degrees>PhD, MD</degrees>
    <email>trash429@anessc.com</email>
    <xref ref-type="aff" rid="aff1" />
</contrib>
</contrib-group>
CRediT Transmittal

- Standard Taxonomy means common vocabulary
  - Other systems will recognize these terms

- Once JATS officially incorporates CRediT support our methods will be updated
  - Currently under consideration, likely for next version of the DTD
CRediT Configuration
CRediT Configuration

- Enabled via Set Other Author Parameters page in PolicyManager
CRediT Configuration

- Enabled via *Set Other Author Parameters* page in PolicyManager

- Can be made optional or required by Article Type once enabled site wide via the *Add/Edit Article Type* page

![All Authors Parameters](image-url)
CRediT Configuration

- Enabled via Set Other Author Parameters page in PolicyManager

- Can be made optional or required by Article Type once enabled site wide via the Add/Edit Article Type page

- New Configure Contributor Roles page allows users to select a taxonomy version, degrees of contribution, and allow free-text ‘other’ values to be entered
Configure Contributor Roles

Contributor Roles can be attributed to each Author of a submission. On this page, you may choose your version of the taxonomy, specify the metadata to be collected, and define the custom instructions to be displayed to users when attributing roles. Then on the Set Other Author Parameters page, you can specify whether to collect Contributor Roles for your publication (along with the other parameters for Authors). Then on the Edit Article Type page, you can specify whether Contributor Roles are Required or Optional for an Article Type.

For more information on Contributor Roles and Project CRediT, click here: http://credit.casrai.org

Set Taxonomy Version

Select a version of the CRediT Taxonomy's Contributor Roles from the dropdown menu.

- Choose Taxonomy: Version 0
- View Taxonomy
- None

Select Additional Metadata to be Collected

The following options allow you to specify whether to collect a Degree of Contribution for each Contributor Role assigned to an Author, and whether to display a text box to allow the Corresponding Author to enter a name or description of a role that is not in the taxonomy.

- Collect 'Degrees of Contribution'
- Display 'Other' field for free-text entry of a role name

Edit Instructions

Enter any instructions that you would like to appear when a user clicks the 'Instructions' link while editing the Contributor Roles for an Author.

<table>
<thead>
<tr>
<th>Area</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributor Roles Instructions</td>
<td>The roles listed are from the CRediT Taxonomy, a classification standard used to ensure that Authors are credited for their contributions toward published scholarly works. Please visit a href=&quot;<a href="http://credit.casrai.org">http://credit.casrai.org</a>&quot; target=&quot;_blank&quot; <a href="http://credit.casrai.org/">http://credit.casrai.org/</a> for more information.</td>
</tr>
</tbody>
</table>

View Default Instructions  Revert to Default Instructions
CRediT Links

- Find out more about CRediT: http://casrai.org/credit
- Contributor Roles Taxonomy: http://dictionary.casrai.org/Contributor_Roles
ORCID iD

Standard Identifier for Researchers/Contributors
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- Q&A
Alice Meadows

Director of Community Engagement and Support, ORCID
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EM & ORCID

- Aries was an early ORCID adopter
- Our ORCID implementation has and continues to evolve over time
- ORCID is gaining momentum

“We, the following journals and publishers, starting in 2016 shall be requiring ORCID iDs for authors, according to the best practices laid out above. We encourage other publishers to join us in this initiative. We hope that our action inspires the community, including researchers, research funders, and research institutions, to join us in adopting ORCID and making it easy for researchers to connect their iD to their contributions and affiliations.”

– from Open Letter published on ORCID website, January, 2016

eLife, PLoS and The Royal Society were the initial signatories, with 14 more publishers subsequently adding their signatures, at the time of writing
Author and Reviewer Recognition

- Providing recognition and attribution via ORCID is possible because the ORCID ID provides a persistent and unique identifier for people.
  - Available to anyone, except the deceased.

- The sooner an Authenticated ORCID ID is collected in a workflow, the more applications it can have.

- EM serves as an initial point of contact and we have integrated ORCID into the workflow in order to provide flexible opportunities to collect the data.
Where in the Workflow?

- Registration Fields and Other Author fields
User Registration

1. Enter ISNI, ORCID, PubMed Author ID, ResearcherID, and Scopus Author ID.

2. ORCID has asked for the following access to your ORCID Record.
   - ORCID: 0000-0003-2647-5154
   - PubMed Author ID
   - ResearcherID
   - Scopus Author ID
   - Delete

3. Authorize access.

   Email or ID: 0000-0003-2647-5154
   Password: [hidden]

   Forgotten password? Deny Authorize

What is ORCID?
Add Author submission step
Where in the Workflow?

- Registration Fields and Other Author fields

- Requested through Co-Author Verification
  ('Authenticated' IDs only; no text entry)
Dear Dr. Mike Di,

You have been nominated by Caroline Webber as a contributing author to the following manuscript submitted to the Demo 13.0 journal:

"Test" including all accompanying digital supplementary content, if any (the "Work")

Please click this link to VERIFY that you are a contributing Author and that you agree to the above copyright assignment and terms:

Yes, I am affiliated.

Please click here to notify us that you ARE NOT a contributing author and that you DO NOT agree to the above copyright assignment.

No, I am not affiliated.

-----

This publication requests that authors link to their ORCID profile to retrieve an "Authenticated" ORCID Identifier. This will support the correct attribution of this submission to you if accepted for publication. If you have not yet registered for an ORCID ID, you can also use the button below to register and authenticate a new one.

ORCID ID: 0000-0002-0136-5875

What is ORCID? This ORCID ID has beenAuthenticated.

Submit to Publication

ORCID
Co-Author Register and Verify

Re: Test by Mr Mike DiNatale

Dear Mr. Di,

You have been listed as a contributing author for the above manuscript submitted to XYZ Quarterly. Please verify your contribution by clicking one of the below links.

Yes, I am affiliated: http://webdem.edmgr.com/l.asp?i=14441&i=ECY6GR2T

No, I am not affiliated: http://webdem.edmgr.com/l.asp?i=14451&i=COQYN3F5

The corresponding author has listed the following personal identifiers as belonging to you. Please ensure these are correct:

Please Enter the Following

Username: 
Password: 

Or Login via: What is ORCID?

Send Login Details Register Now Login Help

If you do not already have an account, please click the 'Register Now' link. If you already have an account but cannot remember your information, please click the 'Send Username/Password' link.

Software Copyright © 2016 Aries Systems Corporation. Privacy Policy
Co-Author Register and Verify

- If user logins in to verify authorship:
- Otherwise subject to registration process:
Co-Author Register and Verify

Registration Page

To register to use the Editorial Manager system, please enter the requested information. Required fields have an * next to the label. Upon successful registration, you will be sent an e-mail with instructions to verify your registration.

Personal Information

- **Title**: Ms.
- **Given/First Name**: Petra
- **Family/Last Name**: Hadyn
- **Degree**: PhD.
- **Preferred Name**: (nickname)
- **Primary Phone**: (including country code)
- **Secondary Phone**: (including country code)
- **Secondary Phone is for**: Mobile, Beeper, Home, Work, Admin. Asst.
- **Fax Number**: (including country code)
- **E-mail Address**: hadyn@email.com

- **Preferred Contact Method**: E-mail, Fax, Postal Mail, Telephone

- **ORCID**: [Input field]

What is ORCID?
Co-Author Register and Verify

- Upon login will be prompted again, if ORCID hasn’t yet been provided.

![Verify Contributing Authorship]

- This publication requests that authors link to their ORCID profile to retrieve an 'Authenticated' ORCID Identifier. This will support the correct attribution of this submission to you if accepted for publication. If you have not yet registered for an ORCID iD, you can also use the button below to register and authenticate a new one.

  - ORCID iD: (None)
  - Link to ORCID Profile
  - What is ORCID?

- Submit to Publication
Where in the Workflow?

- Registration Fields and Other Author fields

- Requested through Co-Author Verification (‘Authenticated’ iDs only; no text entry)

- Collected from Corresponding Author during Submission workflow
Please Select an Article Type

Choose the article type of your submission from the pull-down menu.

Choose Article Type  APC Optional

These are some wicked awesome customized instructions

ORCID ID: (None)
Link to ORCID Profile  What is ORCID?

Next

ORCID

Editorial Manager

has asked for the following access to your ORCID Record

Read your biographical information

This application will not be able to see your ORCID password, or other private info in your ORCID Record. Privacy Policy.

Already have an ORCID ID? Sign In

As per ORCID’s terms and conditions, you may only register for an ORCID ID for yourself.

First name
Last name
Email
Re-enter email
Create an ORCID
password
Confirm ORCID
password

Your ORCID ID connects with your ORCID Record that can contain links to your research activities, affiliations, awards, other versions of your name, and more. You control this content and who can see it.

Next
Where in the Workflow?

- Registration Fields and Other Author fields
- Requested through Co-Author Verification (‘Authenticated’ IDs only; no text entry)
- Collected from Corresponding Author during Submission workflow
- Login via ORCID Single Sign On
13.0+13.1 Enhancements

- **EM 13.0:**
  - `%ORCID_AUTHENTICATION_DEEP_LINK%` deep-linking merge field, usable in any letter
  - Option to disable text entry for ORCID ID at registration

- **EM 13.1:**
  - Require Authenticated ORCID at submission option
  - Registration using ORCID record metadata
Authentication is **Key**

- Ensures that the person who is signed into an EM record has proved that they own an ORCID ID

- Authentication status determines whether an ORCID is included in some exports/transmittals
  - Which is vital for identifying contributors

- An Authenticated ORCID ID is needed for ORCID Single Sign-On to work

- New checks for existing ‘duplicate’ records being built around the presence of Authenticated ORCID IDs
Maximizing Authentication

- Enable ORCID Request for Corresponding Authors on submission
- Enable Co-Author Verification, and enable ORCID Request during verification
  - Disable ORCID iD under ‘Set Other Author Parameters’ to prevent text entry/unauthenticated fetches
- Hide ORCID iD under Proxy Registration
- Encourage use of ORCID SSO as a benefit
- Take advantage of upcoming functionality:
  - Require Authenticated ORCID at submission
  - To enforce Authentication when registering
  - To prompt any letter recipient to Authenticate an ORCID iD with new merge field
Recognition via ORCID

Closing the loop
Author Recognition

- Repository deposits (ex: Crossref) result in works being added to ORCID profile
  - Occurs Automatically, after Author provides initial approval via ORCID Inbox

- Makes it easier for colleagues, institutions and funders to find an Author’s body of work

- Editorial Manager and ProduXion Manager support this process by collecting authenticated ORCID iDs and transmitting them, as needed, using JATS formatted XML
Crediting a Contributor via ORCID

Author now supplies an ORCID iD

ORCID iD + 'Authenticated' state propagates downstream

Crossref can now ask to permission to update Freda’s ORCID Record
Crediting a Contributor via ORCID
Reviewer Recognition

- ORCID provides functionality allowing ORCID profiles to be updated with Peer Review information via their API.

- Only trusted third-party sources (EM among them) can add this information.
  - Individuals cannot update their own profiles with peer review information.

- Allows Reviewers to be recognized by publishers for the credited for the work they’ve performed.
Reviewer Recognition

Peer review (15)

- Review activity for Journal of Neuroscience (4)
- Review activity for Welcome Trust (1)
- Review activity for Nature Neuroscience (4)
  Nature Publishing Group, London, United Kingdom (publisher)

<table>
<thead>
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<th>Type</th>
<th>Role</th>
<th>Actions</th>
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<tbody>
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<td>2015</td>
<td>Review</td>
<td>Reviewer</td>
<td>show details</td>
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<tr>
<td>2014-11</td>
<td>Review</td>
<td>Reviewer</td>
<td>show details</td>
</tr>
<tr>
<td>2014-03-20</td>
<td>Review</td>
<td>Editor</td>
<td>show details</td>
</tr>
<tr>
<td>2013-02</td>
<td>Review</td>
<td>Reviewer</td>
<td>hide details</td>
</tr>
</tbody>
</table>

Title of the publication that was reviewed
JOURNAL ARTICLE | DOI: 230.3/0239x894.85 | view
Reviewer Recognition

- Aries is considering implementing functionality in the future which would update ORCID profiles with peer review data.

- EM is the system that our customers use to collect and manage peer-reviews; it is a natural fit then for EM to be able to carry out such peer-review deposits.

- Reviews could be deposited at anytime, in accordance with journal policies:
  - Likely to be varied requirements and workflows.
Reviewer Recognition

We want your feedback!
Reviewer Recognition

- When do we get permission from the reviewer if we don't have it?
  - At the point the reviewer submits a review, if we don't have it already?

- How often do we ask?
  - We only need to ask one-time for permission to update their ORCID record
  - But we could ask on a review-by-review basis 'do you want to upload this review?'
Reviewer Recognition

- When do we deposit the review?
  - ‘When it's submitted', but this exposes some details of the review well before the author even has a decision
  - Early review credit could be viewed as reward for Reviewers

- Other options include:
  - On final decision
  - On final disposition
  - On publication (outside of EM scope)
Reviewer Recognition

- What do we send?
  - Some publications want open peer review, and so want everything to be visible
    - But this means that deposit on completing the review is a bad idea
  - As soon as we update the user's ORCID profile, they own that information and may make it public
Questions?

Reviewer and Author Recognition

Mike Di Natale, Business Systems Analyst
mdinatale@ariessys.com | orcid.org/0000-0002-0136-5875
Thanks!

Reviewer and Author Recognition

Mike Di Natale, Business Systems Analyst
mdinatale@ariessys.com | orcid.org/0000-0002-0136-5875