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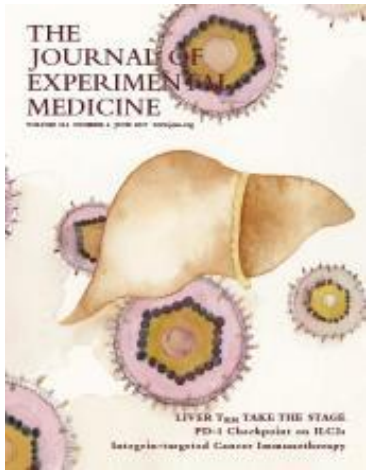
Metadata:
How Much More Complicated Can It Get?

ORCID at Rockefeller University Press

XUG 2017

Rob O'Donnell
Director of Publishing Technologies
The Rockefeller University Press
odonner@rockefeller.edu

J Cell Boil
250 research articles/yr



J Exp Med
225 research articles/yr

J Gen Physiol
<100 research articles/yr

- Authors retain copyright under CC-BY-NC licensing
- All research freely available after 6 months
- ~20% acceptance rate across 3 journals

RUP production notes

- Small department with no in-house developers
- eJournal Press submission and production systems
- eXtyles
- Auto-comp and HTML proofing via Sheridan's ArticleExpress
- Highwire-hosted journals

What is ORCID?

ORCID'S VISION IS A WORLD WHERE ALL WHO PARTICIPATE IN RESEARCH, SCHOLARSHIP, AND INNOVATION ARE UNIQUELY IDENTIFIED AND CONNECTED TO THEIR CONTRIBUTIONS AND AFFILIATIONS ACROSS TIME, DISCIPLINES, AND BORDERS.

What is ORCID?

- Open Researcher and Contributor ID
- Registry of unique iDs that connect individuals with their research life
- Independent of how or in what language a name is expressed

SOFIA MARIA HERNANDEZ GARCIA = SOFIA GARCIA
S. HERNANDEZ GARCIA
S. M. GARCIA
索菲亚玛丽亚・埃尔南德斯・加西亚
София Мария Хернандез Гарсия

- Distinguishes individuals with similar names from one another…

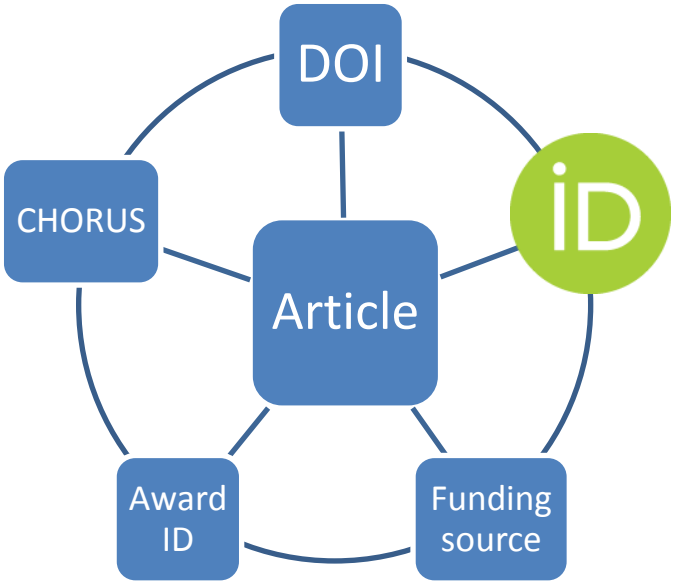
Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition).

(PMID:26799652)

Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, Adams PD, Adeli K, Adhihetty PJ, Adler SG, Agam G, Agarwal R, Aghi MK, Agnello M, Agostinis P, Aguilar PV, Aguirre-Ghiso J, Airoldi EM, Ait-Si-Ali S, Akematsu T, Akporiaye ET, Al-Rubeai M, Albaiceta GM, Albanese C, Albani D, Albert ML, Aldudo J, Algül H, Alirezaei M, Alloza I, Almasan A, Almonte-Becerril M, Alnemri ES, Alonso C, Altan-Bonnet N, Altieri DC, Alvarez S, Alvarez-Erviti L, Alves S, Amadoro G, Amano A, Amantini C, Ambrosio S, Amelio I, Amer AO, Amessou M, Amon A, An Z, Anania FA, Andersen SU, Andley UP, Andreadi CK, Andrieu-Abadie N, Anel A, Ann DK, Anoopkumar-Dukie S, Antonioli M, Aoki H, Apostolova N, Aquila S, Aquilano K, Araki K, Arama E, Aranda A, Araya J, Arcaro A, Arias E, Arimoto H, Ariosa AR, Armstrong JL, Arnould T, Arsov I, Asanuma K, Askanas V, Asselin E, Atarashi R, Atherton SS, Atkin JD, Attardi LD, Auberger P, Auburger G, Aurelian L, Autelli R, Avagliano L, Avantaggiati ML, Avrahami L, Awale S, Azad N, Bachetti T, Backer JM, Bae DH, Bae JS, Bae ON, Bae SH, Baehrecke EH, Baek SH, Baghdiguian S, Bagniewska-Zadworna A, Bai H, Bai J, Bai XY, Bailly Y, Balaji KN, Balduini W, Ballabio A, Balzan R, Banerjee R, Bánhegyi G, Bao H, Barbeau B, Barrachina MD, Barreiro E, Bartel B, Bartolomé A, Bassham DC, Bassi MT, Bast RC Jr, Basu A, Batista MT, Batoko H, Battino M, Bauckman K, Baumgarner BL, Bayer KU, Beale R, Beaulieu JF, Beck GR Jr, Becker C, Beckham JD, Bédard PA, Bednarski PJ, Begley TJ, Behl C, Behrends C, Behrens GM, Behrns KE, Bejarano E, Belaid A, Belleudi F, Bénard G, Berchem G, Bergamaschi D, Bergami M, Berkhout B, Berliocchi L, Bernard A, Bernard M, Bernassola F, Bertolotti A, Bess AS, Besteiro S, Bettuzzi S, Bhalla S, Bhattacharyya S, Bhutia SK, Biagosch C, Bianchi MW, Biard-Piechaczyk M, Billes V, Bincoletto C, Bingol B, Bird SW, Bitoun M, Bjedov I, Blackstone C, Blanc L, Blanco GA, Blomhoff HK, Boada-Romero E, Böckler S, Boes M, Boesze-Battaglia K, Boise LH, Bolino A, Boman A, Bonaldo P, Bordi M, Bosch J, Botana LM, Botti J, Bou G, Bouché M, Bouchecareilh M, Boucher MJ, Boulton ME, Bouret SG, Boya P, Boyer-Guittaut M, Bozhkov PV, Brady N, Braga VM, Brancolini C, Braus GH, Bravo-San Pedro JM, Brennan LA, Bresnick EH, Brest P, Bridges D, Bringer MA, Brini M, Brito GC, Brodin B, Brookes PS, Brown EJ, Brown K, Broxmeyer HE, Bruhat A, Brum PC, Viola G, Viscomi MT, Vitale G, Vogl DT, Voitsekhovskaja OV, von Haefen C, von Schwarzenberg K, Voth DE, Vouret-Craviari V, Vuori K, Vyas JM, Waeber C, Walker CL, Walker MJ, Walter J, Wan L, Wan X, Wang B, Wang C, Wang CY, Wang C, Wang C, Wang C, Wang D, Wang F, Wang F, Wang G, Wang HJ, Wang H, Wang HG, Wang H, Wang HD, Wang J, Wang J, Wang M, Wang MQ, Wang PY, Wang P, Wang RC, Wang S, Wang TF, Wang X, Wang XJ, Wang XW, Wang X, Wang X, Wang Y, Wang Y, Wang Y, Wang YJ, Wang Y, Wang Y, Wang YT, Wang Y, Wang ZN, Wappner P, Ward C, Ward DM, Warnes G, Watada H, Watanabe Y, Watase K, Weaver TE, Weekes CD, Wei J, Weide T, Weihl CC, Weindl G, Weis SN, Wen L, Wen X, Wen Y, Westermann B, Weyand CM, White AR, White E, Whitton JL, Whitworth AJ, Wiels J, Wild F, Wildenberg ME, Wileman T, Wilkinson DS, Wilkinson S, Willbold D, Williams C, Williams K, Williamson PR, Winklhofer KF, Witkin SS, Wohlgemuth SE, Wollert T, Wolvetang EJ, Wong E, Wong GW, Wong RW, Wong VK, Woodcock EA, Wright KL, Wu C, Wu D, Wu GS, Wu J, Wu J, Wu M, Wu M, Wu S, Wu WK, Wu Y, Wu Z, Xavier CP, Xavier RJ, Xia GX, Xia T, Xia W, Xia Y, Xiao H, Xiao J, Xiao S, Xiao W, Xie CM, Xie Z, Xie Z, Xilouri M, Xiong Y, Xu C, Xu C, Xu F, Xu H, Xu H, Xu J, Xu J, Xu J, Xu L, Xu X, Xu Y, Xu Y, Xu ZX, Xu Z, Xue Y, Yamada T, Yamamoto A, Yamanaka K, Yamashina S, Yamashiro S, Yan B, Yan B, Yan X, Yan Z, Yanagi Y, Yang DS, Yang JM, Yang L, Yang M, Yang PM, Yang P, Yang Q, Yang W, Yang WY, Yang X, Yang Y, Yang Y, Yang Z, Yang Z, Yao MC, Yao PJ, Yao X, Yao Z, Yao Z, Yasui LS, Ye M, Yedvobnick B, Yeganeh B, Yeh ES, Yeyati PL, Yi F, Yi L, Yin XM, Yip CK, Yoo YM, Yoo YH, Yoon SY, Yoshida K, Yoshimori T, Young KH, Yu H, Yu JJ, Yu JT, Yu J, Yu L, Yu WH, Yu XF, Yu Z, Yuan J, Yuan ZM, Yue BY, Yue J, Yue Z, Zacks DN, Zacksenhaus E, Zaffaroni N, Zaglia T, Zakeri Z, Zecchini V, Zeng J, Zeng M, Zeng Q, Zervos AS, Zhang DD, Zhang F, Zhang G, Zhang GC, Zhang H, Zhang H, Zhang H, Zhang H, Zhang J, Zhang J, Zhang J, Zhang J, Zhang JP, Zhang L, Zhang L, Zhang L, Zhang L, Zhang MY, Zhang X, Zhang XD, Zhang Y, Zhang Y, Zhang Y, Zhang Y, Zhang Y, Zhao M, Zhao WL, Zhao X, Zhao YG, Zhao Y, Zhao Y, Zhao YX, Zhao Z, Zhao ZL, Zheng D, Zheng XL, Zheng X,

RUP's adoption of ORCID

- Just makes sense
- Customer service
- Integration = Discoverability



Timeline and author uptake

THE ROCKEFELLER UNIVERSITY PRESS

January 2014
RUP becomes ORCID member

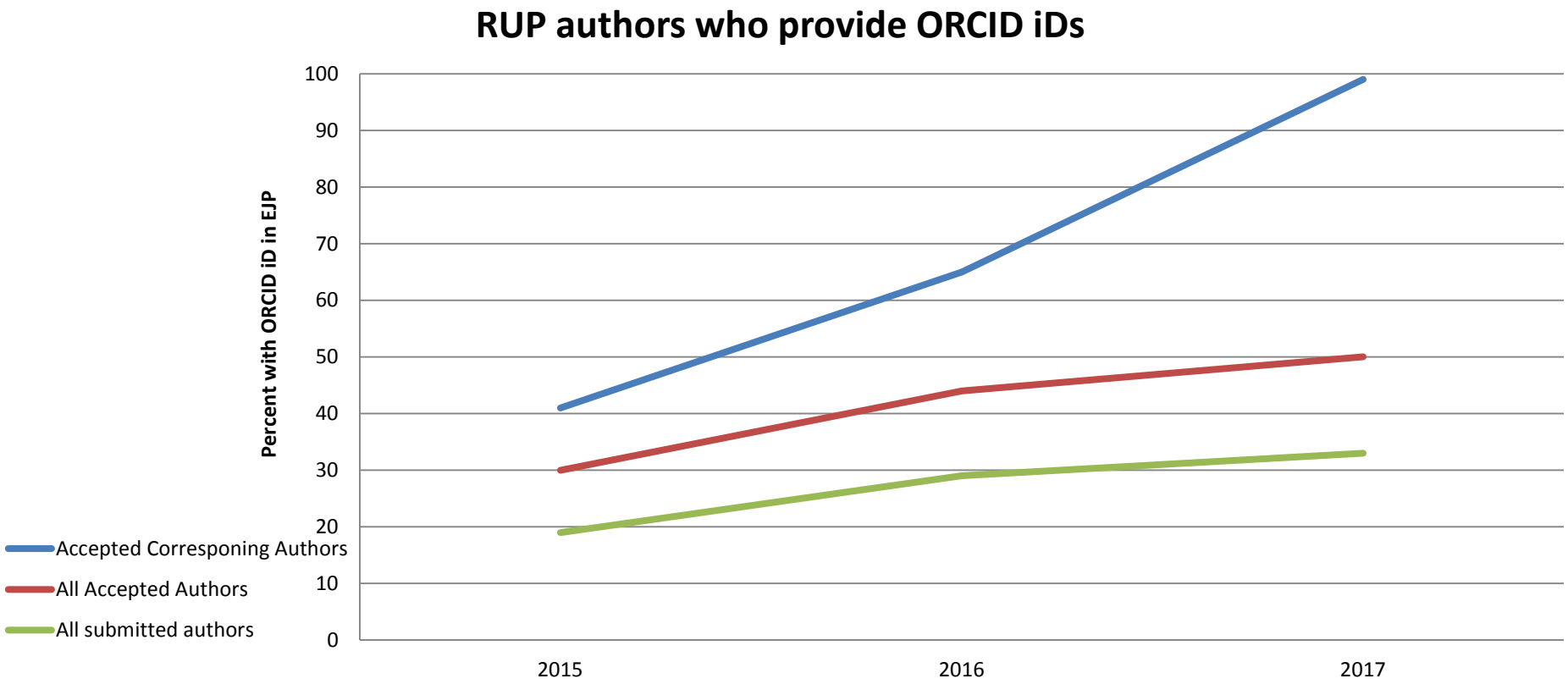
July 2014
Turn on optional collection of iDs in submission system

Oct 2015
Crossref Auto-update

April 2016
eXtyles ORCID module
RUP production workflow live

May 2016
Signed open letter committing to require ORCID iDs
http://bit.ly/1ZPtjDq

Sept 2016
Requirement implemented



Authenticated Collection

- On submission
- Throughout review process
- Requirement enforced prior to acceptance

Collection on submission

1

Author #	Corr Author	Name	Email	Organization
1	☑	Rob O'Donnell	odonner@mail.rockefeller.edu	Rockefeller University Press

ORCID ⓘ : Create/link an Open Researcher Contributor ID(ORCID)

Person Title: Mr.

* Name: Rob (First) | (Middle) | O'Donnell (Last) | Find User

2

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Collection throughout review

1

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2

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Sharon Jackson

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Collection requirement

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Click here to verify your ORCID

Authenticated Production

- Metadata export via JPS
- eXtyles metadata import
- eXtyles ORCID integration
- JATS export

Production – metadata export


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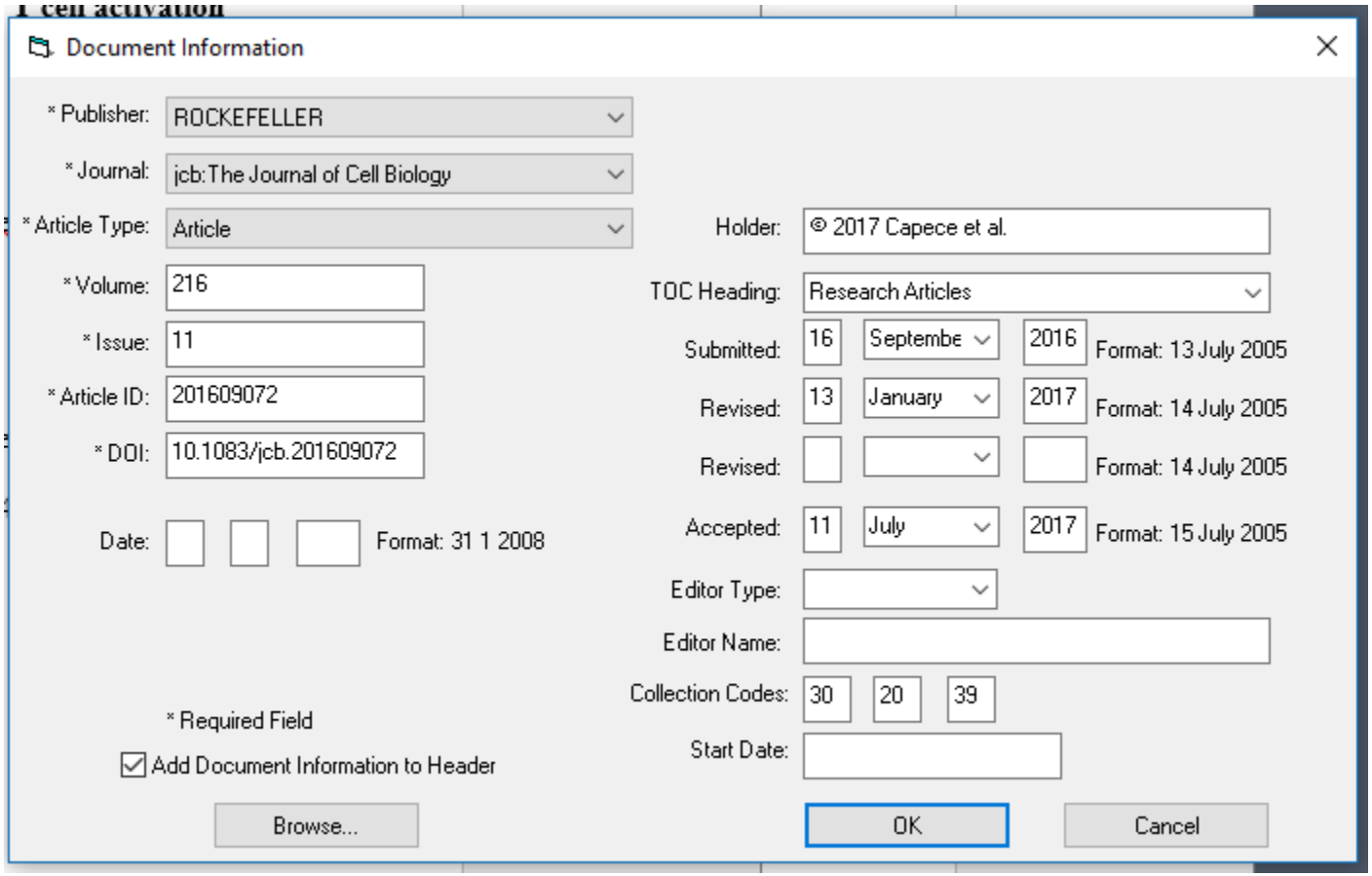
Production – eXtyles metadata import

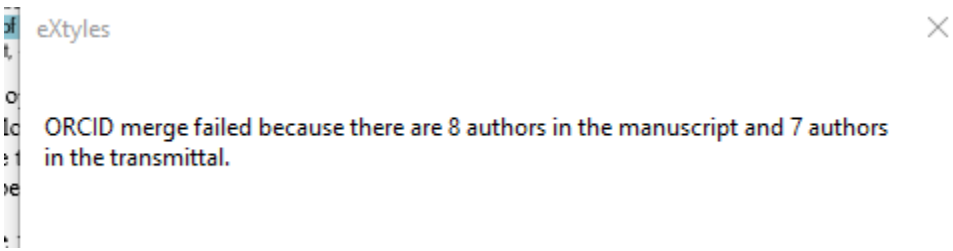


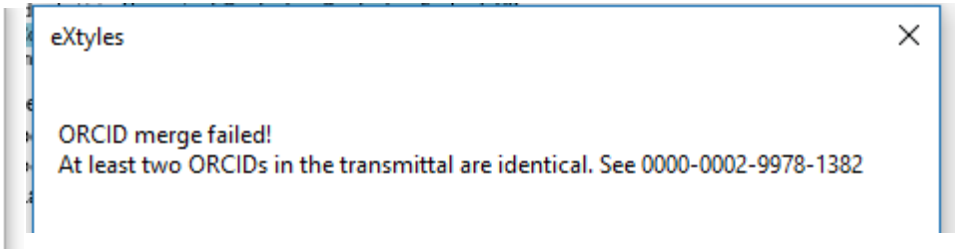
Production – eXtyles ORCID integration

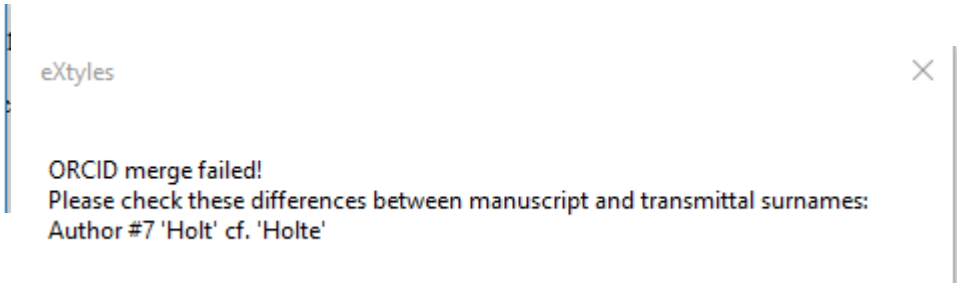
Author processing

- Compares author list in metadata with Word file
- Merges iD with the correct author name

Failure examples







Production – eXtyles ORCID integration

Warning examples

eXtyles

ORCID merge completed successfully!
Please check these differences between manuscript and transmittal surnames:
Author #1 'Urbančič' cf. 'Urbancič'

eXtyles

ORCID merge completed successfully!
All manuscript and transmittal author names match exactly.
Note: the order of names differs between the manuscript and transmittal files.

eXtyles

ORCID merge completed successfully!
Please check these differences between manuscript and transmittal given names:
Author #4 'Manuel' cf. 'Manuel C.'

Success!

eXtyles

ORCID merge completed successfully!
All manuscript and transmittal author names match exactly.

Production

JATS export

JCB_201609072.xml*

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41      </title-group>
42      <contrib-group>
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45          <name>
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47            <given-names>Tara</given-names>
48          </name>
49        </contrib>
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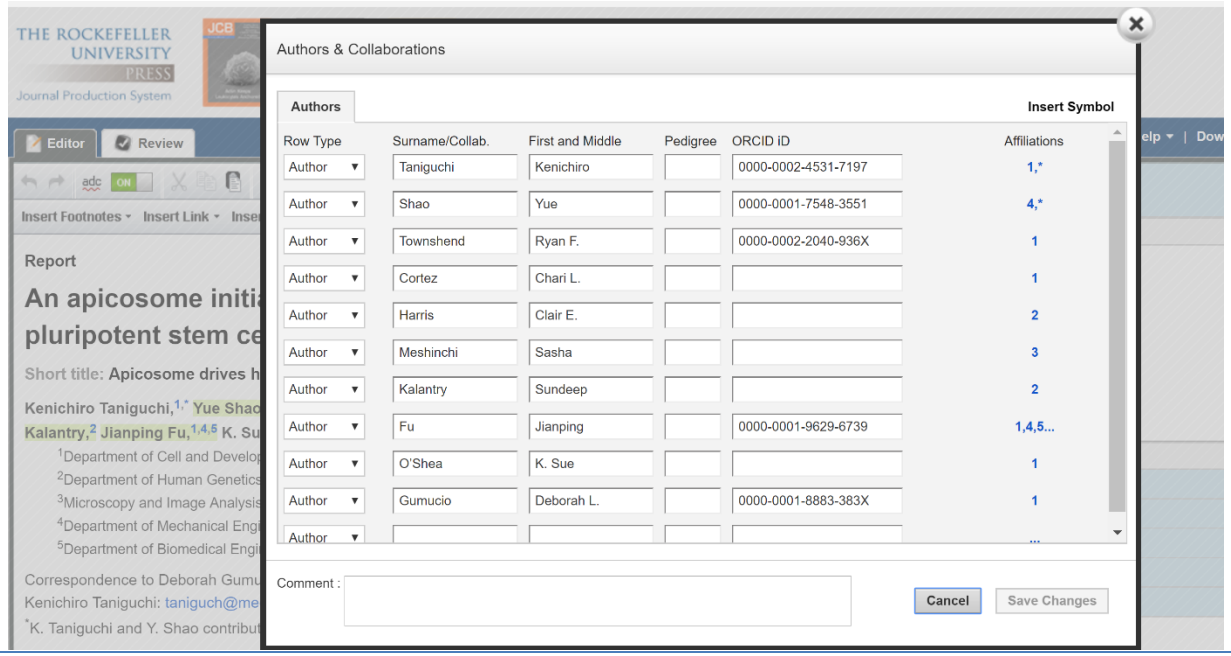
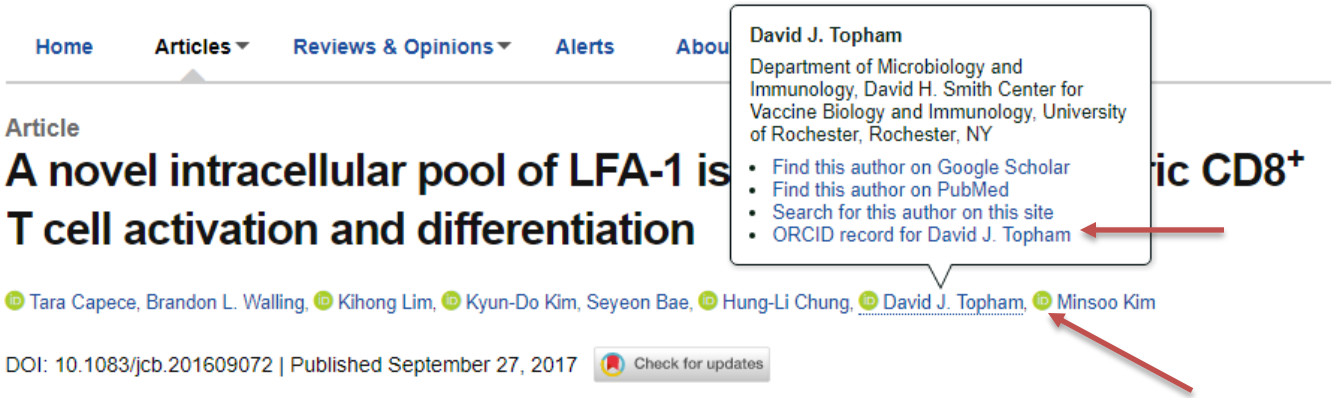
Proof



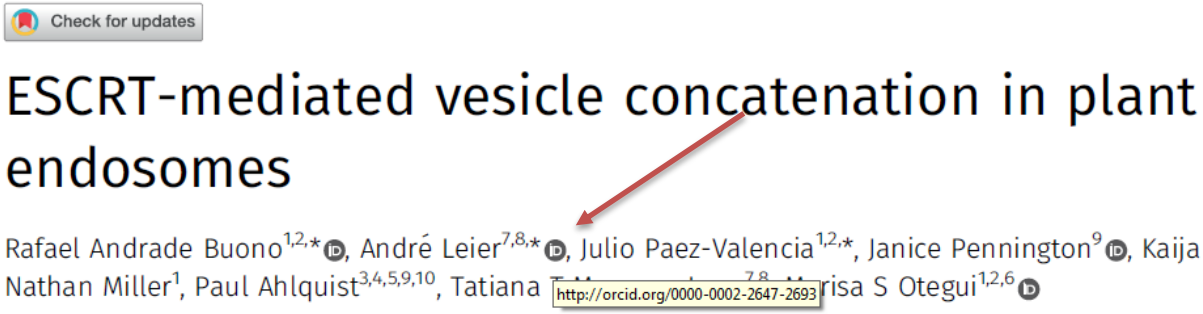
Row Type	Surname/Collab.	First and Middle	Pedigree	ORCID iD	Affiliations
Author	Taniguchi	Kenichiro		0000-0002-4531-7197	1,*
Author	Shao	Yue		0000-0001-7548-3551	4,*
Author	Townshend	Ryan F.		0000-0002-2040-936X	1
Author	Cortez	Chari L.			1
Author	Harris	Clair E.			2
Author	Meshinchi	Sasha			3
Author	Kalantry	Sundeep			2
Author	Fu	Jianping		0000-0001-9629-6739	1,4,5...
Author	O'Shea	K. Sue			1
Author	Gumucio	Deborah L.		0000-0001-8883-383X	1
Author					...

Published display

HTML



PDF



Crossmark display

Document is current

Any future updates will be listed below

A novel intracellular pool of LFA-1 is critical for asymmetric CD8 + T cell activation and differentiation

Crossref DOI link: https://doi.org/10.1083/jcb.201609072

Published:

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Authors

Capece, Tara http://orcid.org/0000-0001-9282-0273
Walling, Brandon L.
Lim, Kihong http://orcid.org/0000-0001-6665-6422
Kim, Kyun-Do http://orcid.org/0000-0001-6872-5583
Bae, Seyeon
Chung, Hung-Li http://orcid.org/0000-0002-7783-7306
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Reactions to requirement

- “I don’t know any authors or editors that care about ORCID” - Editor
- “Some of our AEs had no idea what ORCID was. Some still don’t use it or pay attention to it. Their assistants use it for grant applications and submissions.” -Editor

Challenges

- Duplicate and wrong iDs due to sharing of emails
- Private records. Why? How to fix?
- Is any workflow truly authenticated if anyone can create multiple or fake iDs?
- Handling requests to add iD in proof – route them through ORCID via EJP
- Many ORCID records appear to not auto-update

Next steps

- ORCID for reviewers and reviewer credit
- Possible requirement for hypothes.is
- CRediT tagging

Thank you!