

IUPUI Open Access Publishing Fund

2015

Annual Report

The IUPUI Open Access Fund underwrites reasonable publication charges for articles published in fee-based, peer-reviewed journals that are openly accessible. This fund addresses changes in scholarly communications while increasing the impact of and access to scholarship created by IUPUI faculty. The fund was established in 2013 as a two-year pilot.

A second round of the fund was supported for July 2015 – June 2016 for \$50,000.00. Financial support for the Open Access Publishing Fund has been provided by key stakeholders on the campus including University Library, Office of the Vice Chancellor for Research, Ruth Lilly Medical Library, School of Informatics and Computing, School of Science, School of Dentistry, School of Engineering & Technology, School of Nursing, School of Public Health, and School of Public and Environmental Affairs. Fund stakeholders requested that the disbursement methods should encourage diverse participation across schools.

All published articles are archived in IUPUI ScholarWorks at:

<https://scholarworks.iupui.edu/handle/1805/6519>.

Other fund publishing reports are available from: <https://scholarworks.iupui.edu/handle/1805/11935>.

Learn more about the fund's scope and policies at:

<http://www.ulib.iupui.edu/digitalscholarship/openaccess/oafund>.

This report shares outcomes of applications to the fund that were received in the 2015 calendar year, January – December.

- Funds distributed or encumbered in 2015: \$31,924.25
- Requests for funds: 40
- Applications supported: 26
- Mean article processing fee: \$1,576.92
- Mean disbursement from OA fund: \$1,227.86

Supported Article Processing Fees by Author's School

School	Articles Supported	Fees Supported by OA Funds
Science	9	\$11,025.00
Medicine	5	5,907.25
Informatics & Computing	4	4,915.00
Nursing	3	4,904.00
Dentistry	1	1,478.00
Engineering & Technology	1	1,350.00
PETM	1	900.00
Philanthropy	1	450.00
	25	\$30,929.25

Supported Article Processing Fees by Publisher

Publisher	Articles Supported	Fees Supported
Public Library of Science (PLOS)	10	\$11,426.25
Nature Publishing Group	5	\$5,341.00
JMIR Publications	2	\$3,980.00
BioMed Central (BMC)	2	\$3,580.00
Dove Medical Press	1	\$2,079.00
Wiley	1	\$1500.00
Libertas Academica	1	\$1,478.00
Frontiers	1	\$885.00
Elsevier	1	\$510.00
Sciedu Press	1	\$150.00
	25	\$30,929.25

Bibliography of Supported Articles

1. Bartlett Ellis, R. J., Carmon, A. F., & Pike, C. (2016). A review of immediacy and implications for provider–patient relationships to support medication management. *Patient Preference and Adherence*, 10, 9–18. <https://doi.org/10.2147/PPA.S95163>
2. Berman, A. G., Clauser, C. A., Wunderlin, C., Hammond, M. A., & Wallace, J. M. (2015). Structural and Mechanical Improvements to Bone Are Strain Dependent with Axial Compression of the Tibia in Female C57BL/6 Mice. *PLOS ONE*, 10(6), e0130504. <https://doi.org/10.1371/journal.pone.0130504>
3. Chaturvedi, P., Chen, N. X., O’Neill, K., McClintick, J. N., Moe, S. M., & Janga, S. C. (2015). Differential miRNA Expression in Cells and Matrix Vesicles in Vascular Smooth Muscle Cells from Rats with Kidney Disease. *PLOS ONE*, 10(6), e0131589. <https://doi.org/10.1371/journal.pone.0131589>
4. Chaturvedi, P., Neelamraju, Y., Arif, W., Kalsotra, A., & Janga, S. C. (2015). Uncovering RNA binding proteins associated with age and gender during liver maturation. *Scientific Reports*, 5. <https://doi.org/10.1038/srep09512>
5. Cherukuri, Y., & Janga, C. S. (2016). Benchmarking of de novo assembly algorithms for Nanopore data reveals optimal performance of OLC approaches. *BMC Genomics*, 17(7), 95–105. <https://doi.org/10.1186/s12864-016-2895-8>
6. Daryanto, S., Wang, L., & Jacinthe, P.-A. (2016). Global Synthesis of Drought Effects on Maize and Wheat Production. *PLOS ONE*, 11(5), e0156362. <https://doi.org/10.1371/journal.pone.0156362>
7. Du, L., Chakraborty, A., Chiang, C.-W., Cheng, L., Quinney, S., Wu, H., ... Shen, L. (2015). Graphic Mining of High-Order Drug Interactions and Their Directional Effects on Myopathy Using Electronic Medical Records. *CPT: Pharmacometrics & Systems Pharmacology*, 4(8), 481–488. <https://doi.org/10.1002/psp4.59>
8. Eckert, N. R., Poston, B., & Riley, Z. A. (2016). Modulation of the Cutaneous Silent Period in the Upper-Limb with Whole-Body Instability. *PLOS ONE*, 11(3), e0151520. <https://doi.org/10.1371/journal.pone.0151520>

9. Firestone, K., Awonusi, D., Panfair, D., Roland, D., Ramamurthy, A., & Kusmierczyk, A. R. (2016). YPL260W, a high-copy suppressor of a copper-sensitive phenotype in yeast, is linked to DNA repair and proteasome function. *Plant Gene*, 5, 38–48. <https://doi.org/10.1016/j.plgene.2015.11.002>
10. Fontanilla, C. V., Gu, H., Liu, Q., Zhu, T. Z., Zhou, C., Johnstone, B. H., ... Du, Y. (2015). Adipose-derived Stem Cell Conditioned Media Extends Survival time of a mouse model of Amyotrophic Lateral Sclerosis. *Scientific Reports*, 5, 16953. <https://doi.org/10.1038/srep16953>
11. Georgianos, P. I., & Agarwal, R. (2015). Relative Importance of Aortic Stiffness and Volume as Predictors of Treatment-Induced Improvement in Left Ventricular Mass Index in Dialysis. *PLOS ONE*, 10(9), e0135457. <https://doi.org/10.1371/journal.pone.0135457>
12. Hollingshead, N. A., Meints, S., Middleton, S. K., Free, C. A., & Hirsh, A. T. (2015). Examining influential factors in providers' chronic pain treatment decisions: a comparison of physicians and medical students. *BMC Medical Education*, 15, 164. <https://doi.org/10.1186/s12909-015-0441-z>
13. Jashnsaz, H., Nguyen, T., Petrache, H. I., & Pressé, S. (2015). Inferring Models of Bacterial Dynamics toward Point Sources. *PLOS ONE*, 10(10), e0140428. <https://doi.org/10.1371/journal.pone.0140428>
14. Konrath, S., Falk, E., Fuhrel-Forbis, A., Liu, M., Swain, J., Tolman, R., ... Walton, M. (2015). Can Text Messages Increase Empathy and Prosocial Behavior? The Development and Initial Validation of Text to Connect. *PLOS ONE*, 10(9), e0137585. <https://doi.org/10.1371/journal.pone.0137585>
15. Lu, X., Wang, L., & McCabe, M. F. (2016). Elevated CO₂ as a driver of global dryland greening. *Scientific Reports*, 6, 20716. <https://doi.org/10.1038/srep20716>
16. Molkov, Y. I., Bacak, B. J., Talpalar, A. E., & Rybak, I. A. (2015). Mechanisms of Left-Right Coordination in Mammalian Locomotor Pattern Generation Circuits: A Mathematical Modeling View. *PLoS Comput Biol*, 11(5), e1004270. <https://doi.org/10.1371/journal.pcbi.1004270>
17. Panfair, D., Ramamurthy, A., & Kusmierczyk, A. R. (2015). Alpha-ring Independent Assembly of the 20S Proteasome. *Scientific Reports*, 5, 13130. <https://doi.org/10.1038/srep13130>
18. Priest, C., Knopf, A., Groves, D., Carpenter, J. S., Furrey, C., Krishnan, A., ... Wilson, J. (2016). Finding the Patient's Voice Using Big Data: Analysis of Users' Health-Related Concerns in the ChaCha Question-and-Answer Service (2009–2012). *Journal of Medical Internet Research*, 18(3), e44. <https://doi.org/10.2196/jmir.5033>
19. Sawesi, S., Rashrash, M., Phalakornkule, K., Carpenter, J. S., & Jones, J. F. (2016). The Impact of Information Technology on Patient Engagement and Health Behavior Change: A Systematic Review of the Literature. *JMIR Medical Informatics*, 4(1), e1. <https://doi.org/10.2196/medinform.4514>
20. Song, H. D., & Zhu, F. (2015). Conformational Changes in Two Inter-Helical Loops of Mhp1 Membrane Transporter. *PLOS ONE*, 10(7), e0133388. <https://doi.org/10.1371/journal.pone.0133388>
21. Srinivasan, Blackburn, C., Mohamed, M., Blum, J., & Sivagami, V. (2015). Literature-Based Discovery of Salivary Biomarkers for Type 2 Diabetes Mellitus. *Biomarker Insights*, 39. <https://doi.org/10.4137/BMI.S22177>
22. Stubblefield, W. B., Alves, N. J., Rondina, M. T., & Kline, J. A. (2016). Variable Resistance to Plasminogen Activator Initiated Fibrinolysis for Intermediate-Risk Pulmonary Embolism. *PLOS ONE*, 11(2), e0148747. <https://doi.org/10.1371/journal.pone.0148747>
23. Wu, X., Yang, K., Zhao, Y., Sun, H., Li, G., & Ge, H. (2015). Cobalt-catalysed site-selective intra- and intermolecular dehydrogenative amination of unactivated sp³ carbons. *Nature Communications*, 6, 6462. <https://doi.org/10.1038/ncomms7462>
24. Yan, J., Kim, S., Nho, K., Chen, R., Risacher, S. L., Moore, J. H., ... for the Alzheimer's Disease Neuroimaging Initiative. (2015). Hippocampal transcriptome-guided genetic analysis of correlated

episodic memory phenotypes in Alzheimer's disease. *Applied Genetic Epidemiology*, 6, 117.
<https://doi.org/10.3389/fgene.2015.00117>

25. Young, J., Lee, M., Sands, L. P., & McComb, S. (2015). Nursing activities and factors influential to nurse staffing decision-making. *Journal of Hospital Administration*, 4(4), p24.
<https://doi.org/10.5430/jha.v4n4p24>