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2018 Digital Commons Annual Report

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Providence St. Joseph Health

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Digital Commons Annual Report
System Library Services
Providence St. Joseph Health
2018

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Overview
In July 2018 Providence St. Joseph Health launched Digital Commons. Digital Commons is our new system-wide institutional repository which collects and presents Providence St. Joseph Health research and other scholarly activity in one convenient, easily navigable location. Digital Commons is primarily a citation-level database with regards to journals, with links to full-text provided. In 2018, 1470 article, posters, presentations, and other documents were added to Digital Commons. There were 3978 individual metadata page hits and 816 downloads. 26 profiles were added to the Expert Gallery, highlighting researchers and experts at PSJH.

Readership Distribution
Global readership indicates the potential reach and impact of materials held in Digital Commons.
Digital Commons items were accessed by readers from 27 countries around the world.

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Top 20 Items (Metadata)

There was a total of 3978 metadata page hits. These were the top 20 items by metadata page hits. They represent a wide variety of the different topics covered by Digital Commons.

1. Caring Cards: Preventing Patient Harm Through the Heart of Nursing. [212 metadata page hits]
2. Updated efficacy of first or second-line pembrolizumab plus in metastatic triple negative breast cancer and correlations with baseline lymphocyte and naïve CD4+ T-cell count. [87 metadata page hits]
3. RADS4 N-terminal domain is a DNA sensor that couples ATP hydrolysis with branch migration of Holliday junctions. [71 metadata page hits]
4. Tumor infiltrating lymphocyte recruitment after peri-lymphatic IRX-2 cytokine immunotherapy in resectable breast cancer and head and neck carcinoma. [68 metadata page hits]
5. Ixekizumab improves patient-reported outcomes up to 52 weeks in bDMARD-naïve patients with active psoriatic arthritis (SPIRIT-P1). [67 metadata page hits]
6. Potential Mechanism for Some Postoperative C5 Palsies: An Anatomical Study. [65 metadata page hits]
7. Anti-Inflammatory Effects of Intra-Articular Hyaluronic Acid: A Systematic Review. [43 metadata page hits]
8. Filipino nurses in the United States. [36 metadata page hits]
10. Suzanne Noël: Dermatologic Surgeon and Cosmetic Surgery Pioneer. [35 metadata page hits]
11. SGLT2 Inhibition for the Prevention and Treatment of Diabetic Kidney Disease: A Review. [34 metadata page hits]
12. Amplifying IFN-γ Signaling in Dendritic Cells by CD11c-Specific Loss of SOCS1 Increases Innate Immunity to Infection while Decreasing Adaptive Immunity. [33 metadata page hits]
15. Perilymphatic IRX-2 cytokine therapy to enhance tumor infiltrating lymphocytes and PD-L1 expression preceding curative-intent therapy in early stage breast cancer [31 metadata page hits]
16. Endoscopic resection of giant fibrovascular esophageal polyps. [30 metadata page hits]
17. Neurovascular Relationships of S2AI Screw Placement: Anatomic Study. [30 metadata page hits]
18. Aromatherapy: Using Essential Oils to Decrease Post Operative Nausea and Vomiting in Adult Ambulatory Surgery Patients [29 metadata page hits]
19. Rational Urine Drug Monitoring in Patients Receiving Opioids for Chronic Pain: Consensus Recommendations. [29 metadata page hits]
20. 'Trifecta' outcomes of robot-assisted partial nephrectomy in solitary kidney: a Vattikuti Collective Quality Initiative (VCQI) database analysis. [28 metadata page hits]

Top 20 Items (Full-Text Downloads)

There was a total of 816 full-text downloads. These were the top 20 items by full-text downloads. They represent a wide variety of different topics covered by Digital Commons, especially considering Digital Commons is primarily a citation-level database.

1. Aromatherapy: Using Essential Oils to Decrease Post Operative Nausea and Vomiting in Adult Ambulatory Surgery Patients [41 full-text downloads]
2. Cell death as a trigger for morphogenesis. [34 full-text downloads]
3. Transcriptional regulatory networks underlying gene expression changes in Huntington's disease. [34 full-text downloads]
4. Tumor infiltrating lymphocyte recruitment after peri-lymphatic IRX-2 cytokine immunotherapy in resectable breast cancer and head and neck carcinoma [33 full-text downloads]
5. Surgical Interventions for Advanced Parameningeal Rhabdomyosarcoma of Children and Adolescents. [27 full-text downloads]
7. Emerging Cellular Therapies for Glioblastoma Multiforme. [24 full-text downloads]
9. The Current Trend of the Translational Research Paradigm. [23 full-text downloads]
10. Lenalidomide consolidation benefits patients with CLL receiving chemoimmunotherapy: results for CALGB 10404 (Alliance). [22 full-text downloads]
11. Addressing the targeting range of the ABILHAND-56 in relapsing-remitting multiple sclerosis: A mixed methods psychometric study. [20 full-text downloads]
14. Co-expression of CD39 and CD103 identifies tumor-reactive CD8 T cells in human solid tumors. [15 full-text downloads]

15. Randomized phase II trial of autologous dendritic cell vaccines versus autologous tumor cell vaccines in metastatic melanoma: 5-year follow up and additional analyses. [15 full-text downloads]

16. Risk Factors for Readmission in Patients with Heart Failure [14 full-text downloads]

17. Digitizing omics profiles by divergence from a baseline. [13 full-text downloads]

18. Updated efficacy of first or second-line pembrolizumab plus in metastatic triple negative breast cancer and correlations with baseline lymphocyte and naïve CD4+ T-cell count [13 full-text downloads]


PlumX
Digital Commons includes PlumX Metrics, which allows us to see how users interact with our research items. There were 12,335 social media interactions from Facebook and Twitter. The article with the most active social media presence was Multiscale Analysis of Independent Alzheimer’s Cohorts Finds Disruption of Molecular, Genetic, and Clinical Networks by Human Herpesvirus in Neuron whose co-authors include Cory Funk, Matthew Richards, and Paul Shannon of Institute for Systems Biology with 798 tweets on Twitter and 925 Facebook mentions. Articles from PSJH were cited 3636 times. The article with the most citations was Treating Axial Spondyloarthritis and Peripheral Spondyloarthritis, Especially Psoriatic Arthritis, To Target: 2017 Update of Recommendations by an International Task Force in Annals of the Rheumatic Diseases whose co-authors include Philip Mease of Swedish Medical Center with 60 citations.

Expert Gallery
Twenty-six profiles were added to Expert Gallery. There was representation from all Clinical Institutes and Areas of Special Focus, minus Mental Health. Profiles were also created for caregivers in Nursing, Biostatistics, and System Library Services.

The approach has been that Library staff create profiles, which are then reviewed by the Expert or their staff. Initially, attempts were made to replicate the Expert’s entire CV. Due to staffing considerations and a concern of a lack of content for many items this approach has been revamped to focus on selected works. The harvester function in Expert Gallery is used to add material to the profile, and the Expert is invited to send up to ten additional works for inclusion. If an Expert would like a more robust profile, they are invited to take ownership and add to the initial profile themselves or with their staff’s assistance. Expert Gallery has required more staff time than originally expected. Currently there is a large representation from Nursing, and more parity is desired in the upcoming year.

Noteworthy Projects
2018 was the inaugural year for Digital Commons. One FTE Digital Asset Librarian was hired to manage the program and research metric tracking for Clinical Care and Personalized Health. Digital Commons was designed and launched with the assistance of consultants at BePress. A specialized taxonomy was
created for Digital Commons. Extensive outreach was done across Providence St. Joseph Health to create awareness of Digital Commons. Workflow procedures were created and documented. All 2018 articles, blog posts, books, and book chapters were added. Additionally, many presentations and posters were added.

In addition to projects associated with the startup and launch of Digital Commons, several projects unique to 2018 were created:

- **Nursing – New Knowledge, Innovation, Improvement** was started to showcase work done by Nursing in support of the Magnet credentialing process. Currently, this collection showcases posters from the St. Vincent Medical Center’s Nursing Bootcamp. This collection is intended for expansion and can have subsections for different hospitals within PSJH.
- **Earle A. Chiles Research Institute Collection** gathers work from EACRI, which focuses on oncology and immunotherapy. EACRI has been very active in the development of this collection and this is a good model of how Library Services and different organizations within PSJH can collaborate to build collections. A test project was having posters available with a QR code for a conference. Difficulties arose with posters needing to be available starting only the day of the conference presentation. Given the lack of control locally with updating the Digital Commons website, the feasibility of this project needs to be reexamined.
- Digital Commons hosted the schedule and repository for the **2018 Pacific Northwest Chapter of the Medical Library Association Annual Meeting**. This initial step into conference hosting was met with praise from participants and can be used as a model to encourage PSJH organizations to use this service of Digital Commons.

**Internal Presentations and External Conferences**

Digital Commons gave 19 internal presentations or more informal conversations. Organizations reached were:

- Earle A. Chiles Research Institute
- CCPF
- Public Relations staff
- Neurosciences
- Quality at Swedish
- Nursing Research Leadership Council
- Clinical Program Services Brain Tumor Focus Group
- CPS
- Movement Disorders Group
- GME
- Brain Academy/Providence Brain & Spine
- Video/Surgical Services at Providence St. Vincent

Digital Commons was presented at three external conferences:


Looking Ahead to 2019
After a successful launch and initial year we look forward to expanded growth, outreach, and impact in 2019. Goals for 2019 include:

• Add all articles, books, and book chapters from 2017
• Continue outreach and PR strategies
• Have targeted outreach to Institute for Systems Biology and John Wayne Cancer Institute, following the model created with Earle A. Chiles Research Institute
• Add a minimum of 24 new Expert Gallery profiles
• Create a group profile using Expert Gallery
• Launch a trial collection of capstone projects for University of Providence’s graduate health sciences programs, with an eye to expanding to the larger RN-to-BSN program
• Host one internal event or conference on Digital Commons
• Present a minimum of two sessions related to Digital Commons at external conferences