Jefferson Digital Commons quarterly report: April-June 2018

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Jefferson Digital Commons Quarterly Report:
April–June 2018

The Jefferson Digital Commons has had another busy quarter! Over April, May, and June we had:

- **99,560** downloads
- **318** new works posted
- **196** countries visit the site
- **6,342** institutions access content

**New Feature: PlumX Metrics**

PlumX Metrics is now integrated with all articles in the JDC. PlumX provides individualized metrics on Usage, Captures, Mentions, Social Media, and Citations, allowing authors to measure the impact of their articles in multiple ways.

To find PlumX Metrics for an article, look for the PlumX box on the right-hand side of the page under the Download button. Hover over the PlumX button to see an overview of analytics or click on the box for more information:

**New Feature: CrossRef DOIs**

As a CrossRef member Thomas Jefferson University is now able to create DOIs for content published to the Jefferson Digital Commons. For now this capability is limited to **journals** and **newsletters**, but it will be available for more content types in the future.
College Restructuring

As of July 1, 2018 Thomas Jefferson University has a new college structure, which is now reflected in the JDC:

- Kanbar College of Design, Engineering and Commerce
- College of Health Professions
- College of Humanities and Sciences (*previously the College of Science, Health and the Liberal Arts*)
- College of Life Sciences (*previously the College of Biomedical Sciences *)
- College of Nursing
- College of Population Health
- College of Pharmacy
College of Rehabilitation Sciences (*new*)
Sidney Kimmel Medical College
School of Continuing and Professional Studies

Any questions about where content is now housed? Contact Kelsey Duinkerken
(kelsey.duinkerken@jefferson.edu)

**Articles:**

- α-Catenin-dependent cytoskeletal tension controls Yap activity in the heart.
- Double-Row Repair Technique for Bursal-Sided Partial-Thickness Rotator Cuff Tears
- Expression of Carbonic Anhydrase III, a Nucleus Pulposus Phenotypic Marker, is Hypoxia-responsive and Confers Protection from Oxidative Stress-induced Cell Death.
- Spectrophotometric analysis of thrombolytic activity: SATA assay
- Targeting CDK6 and BCL2 Exploits the "MYB Addiction" of Ph+ acute lymphoblastic leukemia
- Functional Studies of CCAAT/Enhancer Binding Protein Site Located Downstream of the Transcriptional Start Site.
- Profiles of miRNA Isoforms and tRNA Fragments in Prostate Cancer.
- Sex-dependent effects of developmental lead exposure on the brain
- Cyclin D1-mediated microRNA expression signature predicts breast cancer outcome
- Antimicrobial stewardship and infection prevention-leveraging the synergy: A position paper update.
- MINTbase v2.0: a comprehensive database for tRNA-derived fragments that includes nuclear and mitochondrial fragments from all The Cancer Genome Atlas projects.
- Optimal management of post-traumatic radioulnar synostosis
- cAMP Signaling Enhances HIV-1 Long Terminal Repeat (LTR)-directed Transcription and Viral Replication in Bone Marrow Progenitor Cells.
- Monitoring and management of hypertension with obesity in adolescents.
- Age related diffusion and tractography changes in typically developing pediatric cervical and thoracic spinal cord
- Invasive trichosporonosis treated with voriconazole
- Inhibition of DNA methyltransferase leads to increased genomic 5-hydroxymethylcytosine levels in hematopoietic cells.
- Mud-splattered fundus
- "My bitterness is deeper than the ocean": understanding internalized stigma from the perspectives of persons with schizophrenia and their family caregivers.
- Electrophysiological Signatures of Spatial Boundaries in the Human Subiculum.
• Gel manicures and ultraviolet A light: A call for patient education.
• PUMA amplifies necroptosis signaling by activating cytosolic DNA sensors.
• Perceptions about Authentic Leadership Development: South African Occupational Therapy Students' Camp Experience
• Large, long range tensile forces drive convergence during
• Preclinical comparison of proteasome and ubiquitin E1 enzyme inhibitors in cutaneous squamous cell carcinoma: The identification of mechanisms of differential sensitivity
• Trametinib prevents mesothelial-mesenchymal transition and ameliorates abdominal adhesion formation
• Plasma inflammatory cytokines and survival of pancreatic cancer patients.
• Multi-institution analysis of racial disparity among African-American men eligible for prostate cancer active surveillance
• Contrast-enhanced ultrasound identifies early extrahepatic collateral contributing to residual hepatocellular tumor viability after transarterial chemoembolization.
• Ophthalmic manifestations of Heimler syndrome due to PEX6 mutations.
• Scaling up rehabilitation - Towards an international policy agenda.
• Rehabilitation: The health strategy of the 21st century.
• Strengthening health-related rehabilitation services at national levels.
• Pim-1 Kinase Phosphorylates Cardiac Troponin I and Regulates Cardiac Myofilament Function.
• A rare case of Clostridium septicum aortitis with colon adenocarcinoma
• Limited immune surveillance in lymphoid tissue by cytolytic CD4+ T cells during health and HIV disease.
• CD8+ T-cell responses in vaccination: Reconsidering targets and function in the context of chronic antigen stimulation
• Synchronous gastric and duodenal metastases from head and neck squamous cell carcinoma: a unique presentation of upper gastrointestinal bleeding.
• Abrogation of transforming growth factor-β-induced tissue fibrosis in TBRIcaCol1a2Cre transgenic mice by the second generation tyrosine kinase inhibitor SKI-606 (Bosutinib).
• Ketamine and remote hyperalgesia
• Allometry and Ecology of the Bilaterian Gut Microbiome
• Metastatic deaths in retinoblastoma patients treated with intraarterial chemotherapy (ophthalmic artery chemosurgery) worldwide.
• Recurrent hotspot mutations in HRAS Q61 and PI3K-AKT pathway genes as drivers of breast adenomyoepitheliomas.
- A 6-week hip muscle strengthening and lumbopelvic-hip core stabilization program to improve pain, function, and quality of life in persons with patellofemoral osteoarthritis: a feasibility pilot study.
- Implementation of an evidence-based intervention to improve the wellbeing of people with dementia and their carers: study protocol for 'Care of People with dementia in their Environments (COPE)' in the Australian context.
- Regional microglia are transcriptionally distinct but similarly exacerbate neurodegeneration in a culture model of Parkinson's disease.
- The Association of Hyponatremia with Race, Ethnicity, and Gender in Patients Admitted for Acute Decompensated Heart Failure Diagnoses
- PALINA: A phase II safety study of palbociclib in combination with letrozole or fulvestrant in African American women with hormone receptor positive HER2 negative advanced breast cancer
- Submillimeter retinoblastoma monitoring following transpupillary thermotherapy using hand-held optical coherence tomography
- Multimodal pain management protocol versus patient controlled narcotic analgesia for postoperative pain control after shoulder arthroplasty
- The genetic basis of hyaline fibromatosis syndrome in patients from a consanguineous background: a case series.
- Incontinentia pigmenti in a child with suspected retinoblastoma.
- Corticosteroid Administration to Prevent Complications of Anterior Cervical Spine Fusion: A Systematic Review.
- Development and Validation of a 28-gene Hypoxia-related Prognostic Signature for Localized Prostate Cancer.
- DNA Checkpoint and Repair Factors Are Nuclear Sensors for Intracellular Organelle Stresses-Inflammations and Cancers Can Have High Genomic Risks.
- Parafoveolar retinoblastoma regression with foveal preservation following intra-arterial chemotherapy documented on hand-held optical coherence tomography in a newborn.
- The Association of Hyponatremia with Race, Ethnicity, and Gender in Patients Admitted for Acute Decompensated Heart Failure Diagnoses
- Triad3a induces the degradation of early necrosome to limit RipK1-dependent cytokine production and necroptosis.
- First results on survival from a large Phase 3 clinical trial of an autologous dendritic cell vaccine in newly diagnosed glioblastoma.
- Co-targeting HGF/cMET Signaling with MEK Inhibitors in Metastatic Uveal Melanoma.
- Not So Fast: Cultivating miRs as Kinks in the Chain of the Cell Cycle.
- Dysregulated GPCR Signaling and Therapeutic Options in Uveal Melanoma.
- Sigma1 Targeting to Suppress Aberrant Androgen Receptor Signaling in Prostate Cancer.
- Stroke Severity Affects Timing: Time From Stroke Code Activation to Initial Imaging is Longer in Patients With Milder Strokes.
- Blood rheological abnormalities in sickle cell anemia.
- Comorbidities in aging patients with sickle cell disease.
- Sickle cell disease: Classification of clinical complications and approaches to preventive and therapeutic management.
- COX-2 expression mediated by calcium-TonEBP signaling axis under hyperosmotic conditions serves osmoprotective function in nucleus pulposus cells.
- miR-181a increases FoxO1 acetylation and promotes granulosa cell apoptosis via SIRT1 downregulation.
- The mitochondrial protease HtrA2 restricts the NLRP3 and AIM2 inflammasomes.
- New targets for resolution of airway remodeling in obstructive lung diseases.
- Epidermodysplasia verruciformis: Inborn errors of immunity to human beta-papillomaviruses
- A new mini-navigation tool allows accurate component placement during anterior total hip arthroplasty.
- Beyond Concurrent Chemoradiation: The Emerging Role of PD-1/PD-L1 Inhibitors in Stage III Lung Cancer.
- CRISPR Knockout of the HuR Gene Causes a Xenograft Lethal Phenotype.

**CREATE Day Presentations:**

- Heading for Adulthood: OT Interventions to Increase Function in Adolescents with TBI
- Occupational Therapy and Military Personnel: Working Together to Win the War Against PTSD's Effects on Leisure Participation
- Opening Doors: Breaking Through the Chain of Stigma and Improving Community Reintegration
- Back in the Driver's Seat: Returning to Driving After a Central Nervous System Injury

**Department of Surgery Resident Research Day:**

- TJUH Department of Surgery Opioid Reduction Quality Initiative
- GCC as a Therapeutic Target in Colorectal Cancer Stem Cells
- Identifying Patient Care Opportunities with Structured Review of Patient Safety Indicators
- Are General Surgery Residents Really Burned Out and Does It Affect Patients?
- Non-response to Neoadjuvant Chemoradiation in Locally Advanced Resectable Esophageal Cancer Predicts Poor Survival as Compared to Primary Esophagectomy
• Understanding Neurologic Recovery After Murine Brain Injury: Secondary Lung Injury, Blast and Blunt Brain Trauma, and Treatment with Antioxidants
• Delivering Surgical Care at a Tertiary Hospital in Malawi: Exploring Surgical Care Delivery in Low Resource Environment, from Casualty to Cancer

**Dissertations:**

• Discovering the Mechanism Regulating EphB/ephrin-B Dependent Interaction at Synapses: with an Emphasis on NMDAR-EphB Interaction and Ephrin-B3-PSD-95 Interaction
• Which Dopamine Neurons Live or Die in Parkinson's Disease: A Balancing Act Between Protective Astrocytes and Deleterious Microglia
• Computational and Systems Biology Studies of Human Trna Fragments and Micro RNA Isoforms and Their Involvement in Race Disparities in Triple-Negative Breast Cancer
• Novel Therapeutic Approaches for Recessive Dystrophic Epidermolysis Bullosa
• Dsg2 Enhances Oncogenic Cellular Signaling in an Autocrine and Paracrine Manner

**From the Archives:**

• Ariel: Volumes 1-13

**Grand Rounds and Lectures:**

• Murmur: A Guide to Common Valvular Diseases for the Primary Care Physician
• 2018 John H. Gibbon Jr. Lecture: Cancer Clinical Trials - A Surgeon's Perspective
• The Role of Providers in the National Opiod Epidemic: The Medicine Forum Grand Rounds
• Ethics, Science, Technology and Medicine Lessons from History
• HOPE for North Philadelphia: Esperanza Health Center
• ESRD: Conservative Management and Advanced Care Planning
• Death in Pregnancy: A Case for Limited Autonomy?
• Pediatric Concussion: What Science Tells Us About the Art of Management
• Male Stress Urinary Incontinence, Erectile Dysfunction, Peyronie's Disease
• Jackie Robinson, Baseball and America: A Personal Recollection
• Mistreating Health Inequities in the Genomic Age
• Screening for Lung Cancer
• Clinical Database to Prospective Clinical Trial - A 'New' Paradigm for Bench to Bedside?
• Medication Assisted Treatment (MAT) for Opiate Use Disorder
• Postmenopausal Bleeding
• The Legend of George J. Willauer MD (1896-1977)
• Bernard J. Miller, MD, ScD (Hon.) (1918-2007): The Life and Scientific Contributions of a Crucial Figure in the Development of the Heart-Lung Machine
• Osteoporosis: The Bare Bones of Integrative Treatment
• Optimizing Utilization of ACE Inhibitors
• South Philly High Intro & A Practical Approach to Sports Physicals
• The Dirty White Coat
• Anticoagulation Update
• Amplifying the Patient Voice: Advancing Quality and Improving Care
• Atypical Presentation of Upshaw Schulman Syndrome: A Case Report
• EPIC Pediatric Obesity: Evaluation, Treatment and Prevention in Community Settings
• Autism Screening in the Primary Care Setting
• Innovation in the Treatment of the Thoracic Aorta and Dissection
• GENERATION 5 High Sensitivity Troponin
• Adjustment Disorder
• Integrated Behavioral Health
• Management of Sinus Disease
• Maternal Versus Infant Vitamin D Supplementation During Lactation: A Randomized Controlled Trial
• The Pelvic Muscle Exam: A Critical Element for Mastery by the Gynecologist
• Poop Happens... Except When it Doesn't: Constipation, Fecal Impaction, and Fecal Incontinence in Older Adults
• Opioid Prescription Knowledge, Attitudes, and Practices at TJUH
• Everything You Ever Wanted to Know About Cardiology But Were Afraid to Ask
• Identifying the micro from the peta: tales of big data in the micro world
• Big Data Analysis and Genetic Liability to Neuropsychiatric Disease
• Noncoding RNAs Regulating Differentiation and Cancer
• Diet and Inflammation in Rheumatic Diseases
• Foot and Ankle Issues for the PCP
• César Roux (1857-1934): Surgeon, Innovator, Educator
• William Stewart Halsted: Our Surgical Legacy
• Working to Make Philadelphians Healthier
• 26th Annual Dr. Raymond C. Grandon Lecture: Vital Directions for Health and Healthcare for the Nation
• Obstetrics Visiting Teaching Fellowship in West Africa
• Obesity: Cesarean Health by Incision Placement (O-CHIP) - A Randomized Controlled Trial
• 20 Years of Mindfulness Research: From Self-Report Surveys to Cell Signaling Pathways
• Community-Based Population Health Research: A Report from the Field
Master of Public Health Capstones:

- Development of the Evaluation of an Interprofessional Hotspotting Curriculum
- A Management Toolkit for Master of Public Health (MPH) Students
- The Influence of Protective Factors on Perceived Impact of Adverse Childhood Experiences
- Healthcare Interpreter Services (HIS) In the Pennsylvania Medicaid Program: A Policy Proposal
- Prescription Overdose Prevention through Pre-Professional Education and Discussion: A Health Education Approach to the Opioid Epidemic
- “What Happened?” Exploring the Complexities of Clinical Inertia in the Treatment of People with Type 2 Diabetes
- An analysis of how the human papillomavirus (HPV) vaccine is represented in the online news media environment
- Mailed Fecal Immunochemical Test (FIT) Kits to Increase Screening Uptake in the University of Pennsylvania’s Community Service Area
- Exploring Asian Indian and Pakistani Views about Cancer and Participation in Cancer Research: An Assessment of a Culturally Tailored Educational Intervention
- Challenges of Screening for Prostate Cancer: A Secondary Analysis Using HINTS Data
- The Validation of the Patient Jefferson Teamwork Observation Guide (JTOG) Tool
- An Examination of the Cumulative Effect Model of Adverse Childhood Experiences: Are All ACEs Created Equal?
- Mindfulness and Relapse Prevention among New Mothers during Recovery for Opioid Misuse
- Access Gaps in Dental Procedure Coverage for Medicare Beneficiaries and Dental Coverage Perceptions in Philadelphia
- Using Green Spaces to Improve Neighborhood Social Cohesion and Overall Well-Being: A Philadelphia Urban Community’s Perspective
- Evaluating the Impact of a Community Health Worker in the Heart Smarts Corner Stores

Newsletters:

- A Word From The Writing Team (April 2018)
- A Word From The Writing Team (May 2018)
- A Word From The Writing Team (June 2018)
- Strategic Leadership Newsletter: Volume 4, Number 1
- Strategic Leadership Newsletter: Volume 4, Number 2
- Surgical Solutions: Volume 13, Number 1 - Spring 2018
Pathology Honors Program Student Research Symposium:

- Determining the Role of Point-of-Care Hemoglobin Testing in the Resuscitation of Acutely Hemorrhaging Patients
- Genome Editing Technology, CRISPR Cas-9, Provides a Potential Future for Xenotransplantation: Can Pigs Become Our New Organ Donors?
- A New Frontier in Breast Cancer Management: Oncotype DX
- Primary CNS small mature B-cell lymphoma with plasmacytic differentiation presenting as an amyloidoma: a case report and review of literature
- Ewing’s Sarcoma
- The Use of Liquid Biopsy in the Fight against Cancer
- Clinico-pathological features and PD-1/PD-L1 Expression in Primary Mediastinal Large B Cell Lymphoma
- Comparative analysis of tumor capsule thickness and other histologic features in encapsulated follicular variant of papillary thyroid carcinoma (EFVPTC) and noninvasive follicular thyroid neoplasm with papillary-like nuclear features (NIFTP)
- Implications of hobnail features in anaplastic thyroid carcinoma and precursor lesions
- Metastatic Lobular Breast Carcinoma in a Meningioma: A Case Study
- Acquired Resistance Mutations to EGFR Treatment in Non-Small Cell Lung Cancer
- The comparison of Spectral Domain Optical Coherence Tomography (SD-OCT) to histopathology in a patient with diffuse macular drusen

Posters:

- Implementation of an IV Workflow System to Reduce IV Preparation Errors
- Drug Abuse Manifesting as Persistent Hypoglycemia: A Case Report of Hidden Sulfonylurea Poisoning
- Unlocking the Doors to Patient Satisfaction in Pediatric Orthopaedics
- Drug Interaction Study Of Apixaban With Cyclosporine Or Tacrolimus: Results From A Phase 1, Randomized, Open-Label, Crossover Study In Healthy Volunteers
- Phone a friend (or a librarian): Learning and communication preferences among occupational therapy students at three universities
- A Week Devoted to Wellness in the Preclinical Phase: Lessons Learned
- Near-Infrared Spectroscopy’s Predictive Ability of Neurological Injury in ECMO Patients
- Optimizing vaccine immunotherapy for prostate cancer
- Visualization of fibronectin assembly using CRISPR and fluorescence imaging
- Incidence of Ocular Hypertension After Intravitreal Injection of 2 mg Triamcinolone Acetonide (IVT)
- Long-term visual outcomes in optic nerve sheath meningiomas following fractionated stereotactic radiotherapy
- Changing Characteristics Of The Surface P Wave With Aging, and Insights Into Inter-atrial Conduction - A Study Of 2,156 Patients Over 9 Decades Of Life
- Integrating a Behavioral Activation Approach within Occupation-Based Intervention to Reduce Depression in Older Adults with Low Vision
- Reflecting The Communities That We Serve: Embracing Diversity and Inclusion Initiatives In Occupational Therapy Education
- Effect of Manual Over scoring on Automated Analysis of Level 3 Home Sleep Tes>ng (HST) Results
- Understanding Patient Uncertainty as a Driver of Emergency Department Utilization: A Concept Mapping Approach
- Effect of Positive Patient Identification on Wrong Blood in Tube Errors: A single Center experience
- A Rare Case of Diffuse Alveolar Hemorrhage Secondary to Dabigatran Successfully Treated with Extracorporeal Membrane Oxygenation
- Partnering for Success! Occupational Therapy, Industrial Design, & Medicine: Creating Innovative Solutions
- Primary Care-OT for Older African Americans with Diabetes and Mild Cognitive Impairment: Intervention Approaches and Case Stories
- The Use of Online CBT-I at Jefferson Sleep Disorder Clinic: A Quality Improvement Study
- Prevention and screening of VTE in SCI patients at Thomas Jefferson University Hospital
- A Novel Diabetes Elective Course for Pharmacy Students
- Does Transition from CPAP to BiPAP Improve Symptoms of Aerophagia?
- Success and Limitations of Hepatitis C Screening in the Inpatient Setting
- Self-Directed Learning Modules Enhance Mastery of Diagnostic Imaging in Dissection-Based Anatomy Course for Physician Assistant Students
- Treatment of Obstructive Sleep Apnea with Maxillo-mandibular Advancement Surgery: Evaluation and Predictors of Success
- Increasing the Degree to Which Evidence-Based Practice is Carried Out by OTs at Magee Rehabilitation
What People are Saying About the Jefferson Digital Commons:

Name: Don Strasburger, DC
Country: US
Resource URL: http://jdc.jefferson.edu/jmbcim_lectures/98/
Comments: Cheers to Dr. Monti for developing an excellent crossover design to demonstrate the effectiveness of Neuro Emotional Technique (NET) as a stress reduction tool in the Cancer Survivor population. It is also exciting to see the changes that have taken place in the brain on fMRI, both in the limbic system and with cerebellar connections. I look forward to additional applications of NET in research. Thank you Dr. Tobia for your passion in working with the participants and helping them achieve such life-changing results!

Name: Don Taylor
Country: US
Role: researcher
Resource URL: http://jdc.jefferson.edu/cgi/viewcontent.cgi?article=1021&context=gibbonsocietyprofiles
Comments: Thanks for making this information available to the public. It has helped deepen my understanding of the history of anesthesia.

Country: US
Role: student
Resource URL: http://jdc.jefferson.edu/carah_papers/13/
Comments: Using this article as a BSW student, for a project about caregiver support

Name: Rachel Lintz
Country: US
Role: Amateur researcher
Resource URL: http://jdc.jefferson.edu/cgi/viewcontent.cgi?article=1012&context=jcbscommencement
Comments: Discovered this document while conducting family history research. My father was in the medical college class of graduates. Very happy to have found this copy online. Thank you very much for digitizing it!! It is a tremendous resource.

Name: T. Bradford Willis, DDS, MSD
Country: US
Role: researcher
Comments: I am working on a biographical sketch of Dr. John Richard Frazier (1861-1945) who practiced in Texas and Mexico for an entry in The Handbook of Texas. Thanks

Name: Dr. Harshavardhan GVJA
Country: India
Role: researcher
Resource URL: http://jdc.jefferson.edu/skmccommencement/76/
Comments: I am Director: Viral Vaccines at Bharat Biotech International Limited, Hyderabad, India. This article adds to my knowledge on Yellow Fever virus and its control. Thank you.

Name: Dela Posey
Country: US
Role: clinician
Comments: Used this to help prepare for an inservice.

Name: Susan J Cerri
Country: US
Role: researcher
Resource URL: http://jdc.jefferson.edu/jmc_catalogs/87/
Comments: I believe my great grandfather - Louis Franklin Burkley was a student for one year between 1891 and 1896. The story goes that he left when the school was closed for a semester due to cholera and he didn't return.