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10-1-2019

## Jefferson Digital Commons quarterly report: July-September 2019

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### Recommended Citation

Duinkerken, MSI, Kelsey; Copeland, LIBT, James; and Gordon, MSLIS, MEd, MA, Larissa, "Jefferson Digital Commons quarterly report: July-September 2019" (2019). *Jefferson Digital Commons Reports*. Paper 28.

<https://jdc.jefferson.edu/jdcreports/28>

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# Jefferson Digital Commons Quarterly Report: July-September 2019

Fall is officially here and with it is a time to reflect on the summer months. Over July, August, and September the Jefferson Digital Commons had:

- **123,466** downloads
- **194** total works posted
- **198** countries visit the site
- **6,258** institutions access content



## In this Issue

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## **New Collection Alert: East Falls Oral Histories**

Stan Gorski, Director of the Gutman Library, retired this September after more than thirty years of service. Throughout his tenure he held numerous positions within the Library, established the campus's Archives & Special Collections, and became a resident expert on the School's history. This summer he sat down with librarian Kelsey Duinkerken to talk about the history of the East Falls campus, focusing on its institutional history (from Philadelphia Textile School to Philadelphia Textile Institute, Philadelphia College of Textiles and Science, Philadelphia University, and eventually Thomas Jefferson University), building expansion, library development, and special collections growth. All four conversations are now available under the [East Falls Oral History](#) section, both in audio and written form.



## **Articles:**

- [Therapeutic Challenge with a CDK 4/6 Inhibitor Induces an RB-Dependent SMAC-Mediated Apoptotic Response in Non-Small Cell Lung Cancer.](#)
- [Cigarette Smoke Initiates Oxidative Stress-Induced Cellular Phenotypic Modulation Leading to Cerebral Aneurysm Pathogenesis.](#)
- [A preexisting rare PIK3CA e545k subpopulation confers clinical resistance to MEK plus CDK4/6 inhibition in NRAS melanoma and is dependent on S6K1 signaling](#)
- [Temporal Trends in Incidence, Sepsis-Related Mortality, and Hospital-Based Acute Care After Sepsis.](#)
- [Pepducins as a potential treatment strategy for asthma and COPD.](#)
- [Human GUCY2C-Targeted Chimeric Antigen Receptor \(CAR\)-Expressing T Cells Eliminate Colorectal Cancer Metastases.](#)
- [Evaluation of Hepatocellular Carcinoma Transarterial Chemoembolization using Quantitative Analysis of 2D and 3D Real-time Contrast Enhanced Ultrasound.](#)
- [Laryngeal Preservation Strategies in Locally Advanced Laryngeal and Hypopharyngeal Cancers.](#)
- [Second-harmonic generation microscopy analysis reveals proteoglycan decorin is necessary for proper collagen organization in prostate.](#)

- Whole genome metagenomic analysis of the gut microbiome of differently fed infants identifies differences in microbial composition and functional genes, including an absent CRISPR/Cas9 gene in the formula-fed cohort
  - Clinical and Procedural Effects of Transitioning to Contact Force Guided Ablation for Atrial Fibrillation.
  - Persistent risk for new, subsequent new and recurrent hepatocellular carcinoma despite successful anti-hepatitis B virus therapy and tumor ablation: The need for hepatitis B virus cure.
  - Promoting Adherence to Influenza Vaccination Recommendations in Pediatric Practice.
  - Occupational Therapy's Role in Early Language Development of Babies and Young Children
  - Structural basis for the homotypic fusion of chlamydial inclusions by the SNARE-like protein IncA.
  - Comparison of Surgical Outcomes of the Posterior and Combined Approaches for Repair of Cervical Fractures in Ankylosing Spondylitis.
  - A comparison study of three posterior fixation strategies in transforaminal lumbar interbody fusion lumbar for the treatment of degenerative diseases
  - Discontinuation of proton pump inhibitor use reduces the number of endoscopic procedures required for resolution of walled-off pancreatic necrosis.
  - HTX-011 reduced pain intensity and opioid consumption versus bupivacaine HCl in bunionectomy: phase III results from the randomized EPOCH 1 study.
  - Intravenous meloxicam for the treatment of moderate to severe acute pain: a pooled analysis of safety and opioid-reducing effects.
  - m6A mRNA demethylase FTO regulates melanoma tumorigenicity and response to anti-PD-1 blockade
  - Commentary: The History of Neurosurgery at Albany Medical College and Albany Medical Center Hospital, Albany, New York.
- 
- Glucocorticoids and Airway Smooth Muscle: A Few More Answers, Still More Questions
  - Single-Cell Glia and Neuron Gene Expression in the Central Amygdala in Opioid Withdrawal Suggests Inflammation With Correlated Gut Dysbiosis
  - Galcanezumab in episodic migraine: subgroup analyses of efficacy by high versus low frequency of migraine headaches in phase 3 studies (EVOLVE-1 & EVOLVE-2).
  - Generation of Oligodendrocyte Progenitor Cells From Mouse Bone Marrow Cells.
  - Advances in Modern Clinical Ultrasound
  - Progress of In-stent Restenosis after Vertebral Artery Ostium Stenosis and Imaging Assessments
  - Trans-lymphatic Contrast-Enhanced Ultrasound in Combination with Blue Dye Injection is Feasible for Detection and Biopsy of Sentinel Lymph Nodes in Breast Cancer
  - A Systematic Review of the Efficacy of Motivational Interviewing on Occupational Performance
  - Effect of motor imagery on children with developmental disabilities

- Efficacy of alternative seating on attention, in-seat behavior, and occupational performance in children with Attention Deficit Hyperactivity Disorder
- A Systematic Review: Light Therapy for Individuals with Dementia and Implications for Practice
- The effect of mirror therapy on upper extremity functioning for patients poststroke: A systematic review
- Drug-induced dermatomyositis after lacosamide: A case report.
- Additive drug-specific and sex-specific risks associated with co-use of marijuana and tobacco during pregnancy: Evidence from 3 recent developmental cohorts (2003-2015).
- Reassessing the Duration of the Second Stage of Labor in Relation to Maternal and Neonatal Morbidity.
- Horizontal RNA transfer goes deep: platelet consumption and microRNA utilization by vascular smooth muscle cells.
- GPVI inhibitor as antitumor gateway drug.
- Matrix metalloproteinase activity in the lung is increased in Hermansky-Pudlak syndrome.
- Neural Foundations of Ayres Sensory Integration
- Outcomes of haploidentical vs matched sibling transplantation for acute myeloid leukemia in first complete remission.
- GRFS and CRFS in alternative donor hematopoietic cell transplantation for pediatric patients with acute leukemia.
- Management of cancer-associated anemia with erythropoiesis-stimulating agents: ASCO/ASH clinical practice guideline update.
- My Systems Thinking Before and After a Year of Social Systems Sciences
- Teach Men How to Fish and They'll Know How to Fish; Teach Them How to Learn and We Just Might Save the Ocean
- Does Prior Anterior Cruciate Ligament Reconstruction Affect Outcomes of Subsequent Total Knee Arthroplasty? A Systematic Review.
- SPG7 targets the m-AAA protease complex to process MCU for uniporter assembly, Ca<sup>2+</sup> influx, and regulation of mitochondrial permeability transition pore opening
- Myc-mediated transcriptional regulation of the mitochondrial chaperone TRAP1 controls primary and metastatic tumor growth.
- Multi-Institutional Dosimetric Evaluation of Modern Day Stereotactic Radiosurgery (SRS) Treatment Options for Multiple Brain Metastases.
- Extreme Peripheral Blood Plasmacytosis Mimicking Plasma Cell Leukemia as a Presenting Feature of Angioimmunoblastic T-Cell Lymphoma (AITL).
- The top 10 things to know about transfusion medicine before intern year: an evidence-based course for graduating medical students.
- Biochemical and clinical response after umbilical cord blood transplant in a boy with early childhood-onset beta-mannosidosis.
- Roles of GM-CSF in the Pathogenesis of Autoimmune Diseases: An Update.
- A comparative study of short-term efficacy and safety for thyroid micropapillary carcinoma patients after microwave ablation or surgery.

- Quality Assurance in Telehealth: Adherence to Evidence-Based Indicators.
- Patient Registries in Idiopathic Pulmonary Fibrosis.
- Functionalization of CD36 Cardiovascular Disease and Expression Associated Variants by Interdisciplinary High Throughput Analysis.
- Adopting the direct anterior approach: experience and learning curve in a Chinese patient population.
- Mdivi-1, a mitochondrial fission inhibitor, modulates T helper cells and suppresses the development of experimental autoimmune encephalomyelitis.
- Appropriate Therapeutic Drug Monitoring of Biologic Agents for Patients With Inflammatory Bowel Diseases.
- Unilateral enophthalmos.
- Electrocardiogram and cardiac testing among patients in the emergency department with seizure versus syncope.
- Bitter Taste Receptors for Asthma Therapeutics.
- A glance at imaging bladder cancer.
- Syntaphilin Ubiquitination Regulates Mitochondrial Dynamics and Tumor Cell Movements.
- How to Untie a Protein Knot.
- IP3 receptor isoforms differently regulate ER-mitochondrial contacts and local calcium transfer
- Symmetrical Peripheral Gangrene Associated with Low Output Cardiac Failure.
- Effects of the 2017 clinical practice guidelines on hypertension in children and adolescents: A commentary
- Equine or porcine synovial fluid as a novel ex vivo model for the study of bacterial free-floating biofilms that form in human joint infections
- Assessment of the risk and characterization of non-melanoma skin cancer in Kindler syndrome: study of a series of 91 patients.
- Prevalence of Dyskinesia and OFF by 30-Minute Intervals Through the Day and Assessment of Daily Episodes of Dyskinesia and OFF: Novel Analyses of Diary Data from Gocovri Pivotal Trials.
- Gangliosides: Treatment Avenues in Neurodegenerative Disease.
- When an Infected Meniscus Portends a Perforated Viscus
- Do Employees From Less-Healthy Communities Use More Care and Cost More? Seeking to Establish a Business Case for Investment in Community Health.
- Inspiration for the Future: The Role of Inspiratory Muscle Training in Cystic Fibrosis.
- Use of Plasmapheresis and Immunosuppressants to Treat Diffuse Alveolar Hemorrhage in a Patient with Granulomatosis with Polyangiitis.
- STAT3 Genotypic Variant rs744166 and Increased Tyrosine Phosphorylation of STAT3 in IL-23 Responsive Innate Lymphoid Cells during Pathogenesis of Crohn's Disease
- Fetal fibronectin testing for reducing the risk of preterm birth.
- Primary Care Providers' Attitudes and Practices Regarding Cancer Screening in Older Adults.



- Single institution implementation of permanent <sup>131</sup>Cs interstitial brachytherapy for previously irradiated patients with resectable recurrent head and neck carcinoma
- Patient experience and challenges in group concept mapping for clinical research.
- Codelivery of Genistein and miRNA-29b to A549 Cells Using Aptamer-Hybrid Nanoparticle Bioconjugates.
- Feasibility Pilot Outcomes of a Mammography Decision Support and Navigation Intervention for Women With Serious Mental Illness Living in Supportive Housing Settings.
- Apoptosis signal-regulating kinase 1 inhibition attenuates human airway smooth muscle growth and migration in chronic obstructive pulmonary disease.
- Co-use of tobacco and marijuana during pregnancy: Pathways to externalizing behavior problems in early childhood.
- Development and Validation of a Prostate Cancer Genomic Signature that Predicts Early ADT Treatment Response Following Radical Prostatectomy.
- MAPK Reliance via Acquired CDK4/6 Inhibitor Resistance in Cancer.
- A Narrative Review on Contrast-Enhanced Ultrasound in Aortic Endograft Endoleak Surveillance.
- Structural basis of mitochondrial transcription.
- Letter to the Editor: Ketamine for pain management: Let's not neglect practical concerns
- Outcomes of Bilateral Shoulder Arthroplasties: A Comparison of Bilateral Total Shoulder Arthroplasties and Bilateral Reverse Shoulder Arthroplasties.
- Surgical stress and cancer progression: the twisted tango.
- Non-parametric combination analysis of multiple data types enables detection of novel regulatory mechanisms in T cells of multiple sclerosis patients.
- Cleavage and Sub-Cellular Redistribution of Nuclear Pore Protein 98 by Coxsackievirus B3 Protease 2A Impairs Cardioprotection.
- Eosinophilic dermatosis of hematologic malignancy responding to dupilumab in a patient with chronic lymphocytic leukemia.
- The Bone Extracellular Matrix as an Ideal Milieu for Cancer Cell Metastases.
- Identification of monocyte-like precursors of granulocytes in cancer as a mechanism for accumulation of PMN-MDSCs.
- No meaningful drug interactions with doravirine, lamivudine and tenofovir disoproxil fumarate co-administration.
- Neurological conditions associated with spinal cord injury
- Perioperative use of renin-angiotensin system inhibitors and outcomes in patients undergoing cardiac surgery.
- Medical evaluation and management of male and female voiding dysfunction: a review.
- A Neurotheological Approach to Spiritual Awakening
- Evidence to date: ranibizumab and its potential in the treatment of retinopathy of prematurity
- Development of Substrate Degradation Enzyme Therapy for Mucopolysaccharidosis IVA Murine Model.

- Efficacy and safety of intravenous golimumab plus methotrexate in patients with rheumatoid arthritis aged < 65 years and those ≥ 65 years of age.
- Endovascular management and the risk of late failure in the treatment of ureteroarterial fistulas
- Identification of Emergency Care-Sensitive Conditions and Characteristics of Emergency Department Utilization.
- Blunted Evoked Prouroguanylin Endocrine Secretion in Chronic Constipation.
- CMUT/CMOS-based Butterfly iQ – A Portable Personal Sonoscope
- Artificial Intelligence in Ultrasound Imaging: Current Research and Applications
- Clinical Value of Ultrasonography for Monitoring Angular Pregnancy in First-trimester
- Applications in Molecular Ultrasound Imaging: Present and Future
- Cytoplasmic DAXX drives SQSTM1/p62 phase condensation to activate Nrf2-mediated stress response.
- Commentary: Using Directional Deep Brain Stimulation to Co-activate the Subthalamic Nucleus and Zona Incerta for Overlapping Essential Tremor/Parkinson's Disease Symptoms.
- From Vaccine Vector to Oncomodulation: Understanding the Complex Interplay between CMV and Cancer.
- Carotid dosimetry after re-irradiation with <sup>131</sup>Cs permanent implant brachytherapy in recurrent, resected head and neck cancer
- Effect on nurse and patient experience: overnight use of blue-depleted illumination
- "In a Perfect World, You Wouldn't Have to Work the System to Get the Things You Need to Survive": A Pilot Study About Trans Health Care Possibilities.
- What can AI do for you?
- Development of an Outpatient Palliative Care Protocol to Monitor Fidelity in the Emergency Medicine Palliative Care Access Trial.
- Non-Thermal Plasma-Induced Immunogenic Cell Death in Cancer: A Topical Review.
- Comparison of Two Commercial Matrix-Assisted Laser Desorption/Ionization-Time of Flight Mass Spectrometry (MALDI-TOF MS) Systems for Identification of Nontuberculous Mycobacteria.
- Optimal timing and route of nutritional support after esophagectomy: A review of the literature.
- Comparing record linkage software programs and algorithms using real-world data.
- Silymarin in non-cirrhotics with non-alcoholic steatohepatitis: A randomized, double-blind, placebo controlled trial.
- Eyelid chalazion or not?
- SLC36A1-mTORC1 signaling drives acquired resistance to CDK4/6 inhibitors.
- Vascular perfusion in persistent pupillary membrane of the iris.
- Heme and hemoglobin utilization by Mycobacterium tuberculosis.
- MAP7 Prevents Axonal Branch Retraction by Creating a Stable Microtubule Boundary to Rescue Polymerization.



## **Conferences:**

- 2019 Sepsis Symposium

## **From the Archives:**

- A Doctor's Story
- Building History of the East Falls Campus
- Library History of the East Falls Campus
- Institutional History of the East Falls Campus
- Special Collections History of the East Falls Campus

## **Grand Rounds and Lectures:**

- Evidence-Based Twin Delivery
- Updates in Stroke Diagnosis, Management, and Prevention
- Department of Surgery Recent Past & Future Town Hall
- NAFLD and NASH: Cutting Through the Fat
- Asthma Management: Applying the Evidence
- Image-Guided Procedures for Pelvic Pain
- Belly Basics 1: 1st Tri Prenatal Care
- End of Life Care for the Primary Care Doc
- Life Lessons from Working with Russell Ackoff
- Aspirin for Preeclampsia Prevention
- Medical Cannabis, Pain, and Spinal Cord Injury
- Quality and Safety in Obstetrics and Gynecology
- Interventions to reduce post-cesarean infections; a quality improvement study
- Hypertension: Approaches to Pharmacologic Management
- Journal Club
- Association Between Obesity and Opioid Usage for Pain Management in Postpartum Women
- Multiple Sclerosis for the Non-Neurologist
- Prediction of Neonatal Birth Weight Associated with Maternal Obesity and Diabetes
- Iron Deficiency of Pregnancy: Time for a New Paradigm
- Assessing (MSK) Knee Pain for the PCP
- Glucometer Workshop & Insulin Administration
- Research in the DFCM
- Inpatient versus outpatient transcervical Foley catheter use for cervical ripening: A randomized controlled trial
- Patient Centered Critical Care: A SWOT Analysis

## **Journals and Newsletters:**

- Gibbon Surgical Review, Volume 2, Issue 1

- Leadership Doctorates Newsletter, Volume 5, Number 2
- The Bulletin: Sidney Kimmel Medical College at Thomas Jefferson University, Volume 68, Issue 1, Spring 2019

### **Master of Population Health Capstones:**

- Digital Clinical Trials: A Multi-Stakeholder Analysis of the Challenges and Opportunities
- The Real World Realities of the EMR and Social Determinants of Health

### **Master of Public Health Capstones:**

- Adolescent Depression Treatment in Primary Care: A Systematic Review
- Assessment, Improvement, and Website Development of the Philadelphia Department of Prisons Discharge Packet
- Human Trafficking: A Curriculum for Public Health Students
- Methodology to Assess Diaper Changing Station Access in Philadelphia Restaurants: Pilot Study
- Learning From Past Mistakes – Opioids, Cannabis and the Treatment of Chronic Non-Cancer Pain Conditions
- Participant Experiences with the American Registry for Migraine Research: A Qualitative Study
- Breaking the Cycle of Addiction: Post Event Intervention Strategies
- A Design Thinking Educational Intervention to Augment Public Health Training

### **Posters:**

- Evidence Based Solutions: Creating Specialty Units
- Pharmacokinetics of intraperitoneal vancomycin in patients on automated peritoneal dialysis
- Experiential Learning and Injury Prevention: A Win-Win
- Characterizing Smoking-related Litter in Public Parks in Philadelphia
- Impact of Palliative Care Consultation on End of Life Care Measures: A Retrospective Analysis of Patients in the Oncology Care Model
- The Role of Diagnostic Bronchoscopy in Refractory Asthma Management
- Incidence rates of critical low glucoses (<40 mg>/dL) by POCT before and after new policies for treatment of clinically significant hypoglycemia (<54 mg>/dL): A comparison between two hospitals
- Improving NICU Discharge Readiness Through Standardization of Preparatory Practices

### **What People are Saying About the Jefferson Digital Commons:**

Name: Carl Decker

Country: US

Role: faculty

Resource URL: <https://jdc.jefferson.edu/radiologyfp/8/>

Comments: Great paper that provides an easy way to generate standardized method of liver measurement. As a practicing radiologist I use it 2-3 times per week.

Name: Karen

Country: US

Role: inventor

Resource URL: <https://jdc.jefferson.edu/jss/vol4/iss2/7/>

Comments: I stumbled upon this article by Dr. Holland while trying to put together my next invention of the Photon light because Photon Herbal Pets is my company name. I got the herbal part of the name by creating Tumorid, but I am still missing the Photon part of the equation. This is amazing that frequency and music can change the cells and microorganisms. Great.