

Curriculum Vitae
Joseph Mark LaVigne

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EDUCATION

MEDPREP Post-baccalaureate Premedical Program 22-23, University of Michigan, Ann Arbor, MI

University of Michigan, Ann Arbor, MI *August 2013-April 2016* Bachelor of Arts (B.A.), Latin Language and Literature & Moral and Political Philosophy

- First-Generation College Student Organization, Philosophy Club

Alpena Community College, Alpena, MI *August 2010-April 2013* Associate of Natural Science (A.A.S.), concentration in Biology-*Cum Laude*

- Phi Theta Kappa Honor Society, Sigma Zeta National Honor Society Secretary

RELEVANT WORK EXPERIENCE

Hematology and Oncology Breast Cancer Research | Clinical Subjects Coordinator

Ann Arbor, MI *November 2020-August 2022*

My tasks and responsibilities included but are not limited to the following:

- Managed multiple clinical trials in breast cancer for physician-initiated trials by organizing and maintaining research documents such as consent forms and clinical report forms, overseeing patient hybrid research-clinic visits and phlebotomy visits.
- Collected and managed data in databases and regularly conducted queries to ensure data integrity and data cleaning.
- Worked one-on-one with principal investigators as team members to ensure research activities were conducted within research visit limits.

Altering Lipids for Tolerance of Aromatase Inhibitor Therapy (ALTA), NCT04268134

- Over 150 hours conducting study visits with over 77 breast cancer patients, aligning study visits to out-patient clinic visits
- Conducted informed consents to participate in physician-initiated clinical trial
- Collected surveys and blood specimen from participants
- Managed data input, data queries, and Clinical Report Forms in a routine and timely manner.
- Distributed and collected study drug under supervision of physician for trial

Characterization of Circulating Tumor Cells (CTC) From Patients with Metastatic Breast Cancer Using the CTC-Endocrine Therapy Index, NCT01701050

- Coordinated study visits for over 120 breast cancer study participants with clinical visits
- Conducted informed consents to participate in physician-initiated clinical trial
- Collected surveys and blood specimen from participants
- Managed data input, data queries, and Clinical Report Forms in a routine and timely manner.

Pediatric Nephrology Clinical and Translational Research Program | Clinical Subjects Coordinator

Ann Arbor, MI *January 2019-October 2020*

I am a clinical subjects coordinator with data management experience. My tasks and responsibilities included but are not limited to the following:

- Performs editorial tasks, proof-read, citation management, and literature reviews for manuscripts to be submitted to scientific journals and technical reports.
- Creates Qualtrics surveys and REDCap databases for data management of multi-site observational studies as well as case report form design for data collection.

Nephrotic Syndrome Study Network (NEPTUNE) Study Subjects Coordinator and Data and Coordinating Center Lead

- Over 75 hours conducting study visits with over 15 pediatric patients, aligning study visits to out-patient clinic visits.
- Consents and assents patients to participate in prospective observational study.
- Manages patient study visit schedule and coordinates study visits with clinic staff and patients.
- Processes and prepares biological specimen by centrifuging and aliquoting for storage in biobank.
- Routinely screens and recruits new nephrotic patients by consenting and, when appropriate, assenting patients to participate in NEPTUNE.
- manages data input, data queries, and Clinical Report Forms in a routinely and timely manner.
- Supported the development of disease-specific patient reported outcomes to be administered for patient study visits.

Immunophenotyping in Childhood Nephrotic Syndrome Study Coordinator

- Manages regulatory documentation for study such as Internal Review Board application submission and amendments to participate in multi-site observational study.
- Recruited patients into rare disease study to participate for 6-month long study
- Used Data Direct, EMERSE, and established patient registries for patient recruitment
- collects blood specimen by coordinating with phlebotomy team and treating nephrologist
- Collects and enters data into study database by managing data input, queries, and Clinical Report Forms

Kidney Research Network Patient Advisory Board Coordinator

- Conduct patient-initiated group meetings to draw research interests from patients and family caregivers for patients with Nephrotic Syndrome.
- conducted a patient focus group to elucidate domains for a kidney health costs survey highlighting areas of overlooked financial expenditures.
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Tumor Necrosis Factor Clinical Trial Study

- Recruiting patients for proof of concept precision medicine study.
- Used Data Direct, EMERSE, established patient registries, and physician referral to recruit patient.
- Conducts study visits over 10 weeks.
- Collects and enters data into study database
- managed data input, queries, and Clinical Report Forms

Patient Reported Outcomes Consortium Lead Coordinator and Data Manager

- built REDCap database used in the distribution of Patient Reported Outcome and parent proxy measures in NIDDK multi-site observational studies in multiple languages for Food and Drug Administration validation purposes.
- Wrote, edited, and provided feedback for manual of procedures for database instruction, including data collection practices, and data quality control.
- Manages regulatory documentation including Internal Review Board amendments and Clinical Report Forms for data collection.
- Assists in Technical Report drafting, citation management, and writing for sponsors and drug development companies and collaborators by thorough reporting for scientific integrity.
- Recruits locally, regionally, and nationally using online campaigns, physician referrals, and collaborations with The Nephrotic Syndrome Foundation and NephCure Kidney International.
- Conducted over 40 interviews of pediatric and adult patients with Minimal Change Disease and Focal Segmental Glomerulosclerosis to identify and key concepts that are incorporated to disease specific patient reported outcome measures.
- Conducted over 15 cognitive interviews with adults and children in person or over the phone to verify that aspects of questionnaires are salient and relevant to the patient experience.
- Distributed surveys in clinic and online to patients with rare kidney disease to develop and validate patient reported outcomes to meet Food & Drug Administration qualifications to be used in health care, observational studies.

CureGN Patient Advisory Board & Secondary Study Coordinator

- Conduct patient-initiated discussions to draw research interests from patients and family caregivers for patients with Nephrotic Syndrome
- Supported the development of disease-specific patient reported outcomes to be administered for patient study visits.

C-PROBE (Clinical Phenotyping Resource and Biobank Core)

- Conducted over 100 study visits with patients and patient caregivers to retain longitudinal retention and increase patient participation by conducting baseline visits and consent and assent at kidney biopsy visits.
- Inputs data into VELOS and REDCap database after study visits to keep database current for researchers.

RELEVANT VOLUNTEER EXPERIENCE

Frankel Cardiovascular Center | Research Staff Ann Arbor, MI *September 2018-December 2019 Clinical Outcomes Bicuspid Aortic Valve Clinic Registry*

- Mined patient charts to identify characteristics of patients that required surgery for bicuspid aortic valve and returned for a redo-sternotomy of a thoracic aortic aneurysm or dissection to help determine the approach of thoracic aortic aneurysm for bicuspid aortic valve patients undergoing aortic valve surgery.
- Researched natural history of thoracic aortic aneurysm in bicuspid aortic valve patients by performing literature review of scientific papers to contribute to research team efforts of the bicuspid aortic valve registry.

Frankel Cardiovascular Center | Research Staff Ann Arbor, MI *April 2018-September 2018 Clinical Outcomes Comfort Initiative Pilot Study*

- Conducts surveys in pain management study by approaching first time aortic surgical patients in clinic to participate in study to improve patient experience before and after aortic surgery.
- Performs IRB amendments of study in order to aggregate data from a larger pool of patient participants by editing and formatting both IRB and survey documents in order to amass the maximum amount of data.
- Manages data by entering, cleaning, and reviewing information collected by subjects for analysis.
- Coordinates efforts between Child Life Specialists, CVC staff, project manager, and clinic staff by announcing in weekly reminders and calendar updates to approach patient in clinic.

Dawn Farms Addiction Treatment Center | Volunteer Ann Arbor, MI *January 2017-May 2023*

- Established rapport with rehabilitation residents by collaborating in household tasks, resulting in a healthy living environment and transforming daily habits to cultivate healthy lifestyles.
- Recruited volunteers from local charities to participate in daily operations at rehabilitation facility, resulting in support and new relationships for residents to build and engage in new communities.
- Engaged rehabilitation residents through over 200 hours in conversation about past and current experiences, therefore developing an individualized set of tools to achieve long-term sobriety.

826michigan | Tutor and After School Program Leader Ann Arbor, MI *January 2017-December 2019* ● Over 90 hours tutored elementary age students to write fiction and non-fiction during after school program and in school writing club, thus improving literacy and writing skills.

- Over 40 hours designed and edited literatures such as books, zines, and regalia by collaborating with education director and interns to distribute to students and tutors.
- Over 10 hours leading after school programs on-site at family writing events to promote collaborative thinking, problem solving, and improve communication skills through writing activities.

PUBLICATIONS

Carlozzi, Massengill, Trachtman, Walsh, Singhal, LaVigne, Miner, Desmond, Lynam, and Gipson, *Identifying the most important aspects of health-related quality of life for children and adults with FSGS and MCD*, 2021, *Kidney Med*, 3[4], P484-97 [doi.org/10.1016/j.xkme.2021.01.013]

PRE-PRESS

Desmond, Lindner, LaVigne [17th], Gipson, and Massengill, *Association between Psychiatric Disorders and Glomerular Disease*, 2021, Research Square, v1(3), [doi.org/10.21203/rs.3.rs-71472/v1] (pre-press)

Computer Skills: (EPIC) MiChart, REDCap, R, Python, SQL, Microsoft Excel, Microsoft Word, Qualtrics, Data Direct, EMERSE, DropBox, Google Drive

Lab Skills and Techniques: gel electrophoresis, IR spectroscopy, H-NMR spectroscopy, Thin-layer chromatography

Languages: English (fluent), French (elementary), Hindi (elementary), Latin

OTHER WORK EXPERIENCE

The Fine Art Conservation and Restoration Laboratory of Michigan, LLC | Conservation Technician

Ann Arbor, MI *September 2017-October 2018*

- Researched methods and techniques of preservation of original materials such as adhesives and medium of paintings and documents to conserve original material and subject matter.
- Managed data by generating over 10 condition reports documenting treatment of art objects with thorough evaluation before, during, and after treatment with written and photographic documentation, resulting in complete records for private collectors.
- Maintained work environment conducive to proper conservation laboratory standards by organizing equipment and controlling environmental qualities to protect and to achieve a safe, healthy space for employees and art objects.

Digital Conversion Unit, University of Michigan | Scanning Technician and Digitization Assistant Ann Arbor, MI *June 2017-December 2018*

- Performed data management by harvesting bibliographic metadata from library catalog, reviewed and updated project files in tracking database, digitally preserved books, and transferred image files across network drives for over 100,000 books.
- Produced digitization statistics for accurate production metrics and tracking of image files through quality review, post processing, and ingest into Google Books and HathiTrust.

Conservation and Preservation Departments, University of Michigan | Conservation Technician and Book Repair Assistant Ann Arbor, MI *April 2017-May 2018*

- Managed data by generating over 70 condition reports, documenting treatment of book and paper objects before, during, and after treatment with written and photographic statistics resulting in complete records for curators, conservators, professors, and librarians for future treatments and exhibitions.
- Collaborated with conservators in the treatment of special and circulating library collections materials such as repair and rehousing of items, encapsulation of brittle newspaper, repaired paper originals, and hinged and matted works of art on paper to ensure longevity of book and paper objects.

Alpena Community College | Laboratory Technician Assistant

Alpena, MI *September 2012-December 2012*

- Maintained impeccable standards in managing material and chemical inventories, safely disposing of waste, and accurately calibrating laboratory equipment for three introductory biology courses and two introductory chemistry courses.
- Performed experiments in advance by implementing laboratory techniques and assessing preliminary trial measurements in comparison to trial estimations in order to project procedural complications and to facilitate student laboratory experiences.

INTERNSHIP

Frederick Douglass Community Center | Supervisor and Camp Program Coordinator Toledo, OH *June 2016-October 2016*

- Supervised student organization by delegating operational and event planning tasks to university students, producing student leaders and resulting in two community picnics attended by over 300 people.
- Organized community collaborative projects by recruiting university students and disadvantaged community members, resulting in community wellness and improved connections within the city and The University of Toledo