

MADELINE L. RHEAULT CURRICULUM VITAE



UNC CardioMetabolic Lab

Est. 2016

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QUALIFICATIONS & EXPERIENCE

EDUCATION

mm/yr	Degree	Subject(s)	Institution	Place	Supervisor(s)
08/02	MA	Exercise Physiology	University of North Carolina	Chapel Hill, NC, USA	Stoner, L
08/00	BS	Kinesiology	University of Wisconsin	Eau Claire, WI, USA	

HONORS/AWARDS

Yr	Description	Institute
22	Master's Abstract Presentation Winner	ACSM-NIP Special Interest Group
20	Mary Mero Scholarship in Kinesiology	University of Wisconsin – Eau Claire
20	<i>Summa Cum Laude</i>	University of Wisconsin – Eau Claire
17-20	Deans List, College of Arts and Sciences	University of Wisconsin – Eau Claire

PROFESSIONAL EXPERIENCE

University of North Carolina School of Nursing, Chapel Hill, NC 2021-Present
Interim Project Manager, Prenatal Heart Smart Study

- Responsible for study intake and scheduling for 45 pregnant mothers for an R01 research study focused on improving maternal heart health outcomes.
- Distributed study materials to all involved participants, including prepaid gift cards, for which reconciliation reports were drafted.
- Acted as primary manager for Redcap project page, including the creation of new records, data entry, and calendar/scheduling design.
- Maintained inventory of Actigraph devices for around 235 study participants and ordered and distributed new Actigraphs when necessary.

University of North Carolina, Chapel Hill, NC 2021-Present
Research Assistant, Cardiometabolic Lab

- Coordinated the recruitment, screening, and scheduling of participants for five major studies focused on lifestyle behaviors and cardiometabolic health outcomes
- Collected data using non-invasive techniques for assessing cardiovascular outcomes
- Developed study protocols for human subjects research
- Collaborated with students and investigators on five research projects

University of North Carolina, Chapel Hill, NC 2021-Present
Graduate Teaching Assistant, Lifetime Fitness Program

- Instructed of a variety of courses aimed at educating undergraduate students on the importance of lifelong physical activity and health
- Planned weekly lessons for 3-4 classes each semester
- Graded student assignments in a timely manner

University of Wisconsin, Eau Claire, WI 2018-2020
Teaching Assistant, Exercise Physiology Laboratory Techniques

- Mentored classes of 10-15 undergraduate students
- Instructed students on proper technique and utilization of various laboratory methods
- Supervised 3 practical exams over the course of each semester
- Hosted twice-weekly lab hours to assist students in furthering their understanding of lab techniques

University of Wisconsin, Eau Claire, WI 2020
Assistant Trainer, Cancer Recovery Program

- Worked 1-on-1 with cancer patients and survivors through rehabilitation programs, educating them on how to properly perform program exercises
- Oversaw workouts and made modifications to as needed based on any limitations due to disease.

University of Wisconsin, Eau Claire, WI 2017-2020
Assistant Trainer, Community Fitness Program

- Developed aerobic and resistance training exercise prescriptions for three older adult clients each semester
- Modified workouts and techniques as needed based on any limitations due to disease or injury.
- Educated clients with weekly presentations on the importance of staying physically active and maintaining functional fitness.

P.R.I.D.E. Program for Children, Eau Claire, WI 2019
Volunteer

- Guided children with disabilities through adapted physical education programs

PUBLICATIONS

PEER REVIEWED: MANUSCRIPTS

- 1 **Rheault, ML**, Vogt, GL, Juckett, B, Palzkill, V, Zavoral, H, Hannah, C, and Janot, JM, "Subjectively Measured Occupational Physical Activity and Barriers/Attitudes toward Physical Activity among Rural Communities" *Int J Res Ex Phys*, vol. 17, no. 1, 2021, pp. 1-11.

PRESENTATIONS

CONFERENCE

- 4 **Rheault ML**, Horiuchi M, Poles J, Stoner L. Time course of change in macro- and micro-vascular function with blood flow restricted resistance training. ACSM. San Diego, CA. May 31, 2022.
- 3 **Rheault ML**, Horiuchi M, Poles J, Stoner L. Time course of change in macro- and micro-vascular function with blood flow restricted resistance training . SEACSM. Greenville, SC. Feb 17, 2022.

NON-CONFERENCE

- 2 **Rheault ML**, "The Female Athlete Triad" Lecture. Presented at UW-Eau Claire, Eau Claire, WI, May 2020.
- 1 **Rheault, ML**, Rodriguez, J., "EKG Interpretation." Presented at University of Tsukuba Summer Institute Program, Tsukuba, Japan, June 2019.

RESEARCH EXPERIENCE AND EXPERTISE

LAB ROTATIONS/ASSISTANCE

Tenure	Lab	Supervisor	Project
2021-23	UNC Cardiometabolic Lab, UNC Chapel Hill	Dr. Lee Stoner	

RESEARCH MODALITY EXPERIENCE

Cardiometabolic	Endocrine	Applied
Near Infra-red Spectroscopy (NIRS)	Phlebotomy	Skinfold Caliper
Indirect Calorimetry (Max, RMR)		BodPod Plethysmography
Pulse Wave Analysis		Dual-energy X-ray absorptiometry (DEXA)
Pulse Wave Velocity		Bioelectric Impedance (BIA)
Heart Rate Variability		Ultrasound, Continuous Wave Ultrasound
Blood Pressure		Exercise Prescription
Electrocardiography (ECG)		Blood Lactate Testing

Impedance Cardiography (ICG)	VO2max Testing
Transcranial Doppler Ultrasound (TCD)	
Photoplethysmography (PPG)	

TEACHING

COURSES PREPARED AND ABLE TO TEACH

- Exercise Physiology Laboratory Techniques

TEACHING EXPERIENCE

Prefix	Title	Credit	Yr	Term	Enroll #
LFIT 111	Swim Conditioning	1	22	Fall	25
			22	Fall	21
			22	Sprg	13
			21	Fall	19
LFIT 115	Cycle Fitness	1	22	Fall	23
LFIT 110	Beginning Swimming	1	22	Sprg	19
			21	Fall	17
LFIT 114	Yoga/Pilates	1	22	Sprg	30
			21	Fall	27
LFIT 112	Walking For Fitness	1	22	Sprg	29

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MENTORSHIP

Outputs: T = thesis/dissertation, P = peer-review publication, C = conference presentation.

#	Level	Yr		Mentee				Cred	Outputs			Role
		From	To	Last	Initial	School	Dept.		T	P	C	
2	UG	22		Halton	J	UNC	EXSS	--	--	0	0	Mentor
1	UG	22		Li	Z	UNC	EXSS	--	--	0	0	Mentor

SERVICE PROFESSIONAL

PEER REVIEW

#	Journal
1	Translational Journal of the American College of Sports Medicine

REFERENCES

DR. SEONAE YEO

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