

Research Emphasis for Medical and Doctor of Nursing Practice (DNP) Students

Renee Stapleton, MD PhD
Amy O'Meara, DrNP WHNP-BC AGNP-C
UVM LCOM and CNHS

Rationale



1. Broken Pipeline

2. MD and DNP student research at UVM

- Outstanding opportunities and projects
- No formalized process
- No longitudinal curriculum

3. Goals

- Increase exposure
- Better prepare graduates for potential research careers
- Improve skills for analyzing research literature in context of clinical practice

Research Emphasis Curriculum



1. 2-year series of seminars/workshops
 - Start Monday 3/20
 - 3rd Monday of every month, 5:30-7pm
 - MedEd 300
2. Regular journal clubs
3. Hands-on mentored research project
4. Opportunities to experience other areas of interest in research

Seminars and Workshops

	Topic	Date
1	<ul style="list-style-type: none"> Information about Research Emphasis Regulatory/ethical issues and requirements with human research (assignment to complete human subjects tutorial before 2nd seminar) Regulatory/ethical issues and requirements with animal research 	3/20/17
2	Formulating research questions and choosing study outcomes/endpoints	4/17/17
3	Quantitative study design: case-control and cohort studies, RCTs, randomization issues, sample size and power	5/15/17
4	<ul style="list-style-type: none"> Qualitative methods Mixed methods 	6/19/17
5	Studies using existing data; meta-analyses	7/17/17
6	Survey design	8/21/17
7	Recruiting subjects into prospective studies, including from a patient's perspective	9/18/17
8	<ul style="list-style-type: none"> Data collection, maintenance, and integrity Budget and billing compliance 	10/16/17
9	From Soup to Nuts: Research Throughout the LCOM And CNHS	11/20/17
10	Animal and cell culture models	12/18/17
11	Basic laboratory techniques	1/15/18
12	Adverse event monitoring and reporting/DSMBs	2/19/18
13	Data analysis/biostatistics and interpretation	3/19/18
14	Results presentation in oral and poster formats	4/16/18
15	Funding opportunities and obtaining funding	5/21/18
16	Scientific writing and publishing	6/18/18
17	Career development for aspiring researchers	7/16/18
18	Quality improvement & patient safety research	8/20/18
19	Medical education research	9/17/18
20	Scholarship in every day work (turning what you do each day including teaching, mentoring, etc. into scholarship)	10/15/18
21	The difference between investigator-initiated and industry-sponsored research What is the FDA and how does it work?	11/19/18
22	Research personnel panel <ul style="list-style-type: none"> Clinical investigator Basic science investigator Research coordinator Investigational Pharmacy 	12/17/18
23	Working with vulnerable populations; health disparities research	1/21/19
24	Mock IRB	2/18/19

Eligibility and Requirements

1. Anyone can participate – optional
2. Requirements for completion
 - Initial “application” and survey; periodic evaluations
 - Attend at least 20/24 monthly seminars
 - Attend at least 4 journal clubs
 - Complete an independent research project
 - Give us your feedback
3. Will receive completion document at or before graduation

Email me with questions

A thick, solid red horizontal bar with slightly tapered ends, positioned below the title.

renee.stapleton@uvm.edu