

Michele K. Dubé

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EDUCATION

Dartmouth College, The Dartmouth Institute for Health Policy & Clinical Practice, Lebanon, New Hampshire
M.S., Public Health, Health Services Research Track, 2013

Northeastern University, Boston, Massachusetts, 1996
M.S., Chemistry

University of New Hampshire, Durham, New Hampshire, 1986
B.S., Chemistry
Minor in English, Dean's List, Analytical Chemistry Award

CERTIFICATIONS

Lean Six Sigma Black Belt Certification, 2014
EpicCare Ambulatory Electronic Medical Record, 2013
EpicCare Inpatient Electronic Medical Record, 2013
Lean Six Sigma Green Belt Certification, 2013
ISO 9001:2000 Internal Auditor, 2002

PROFESSIONAL DEVELOPMENT TRAINING

IRB Training Certification, 2022
DLINQ Camp Design Online Course Development Training, 2020
Renee Wells Inclusive Practitioner Program, 2020
CTLR Pedagogy Development Winter Term Workshops, 2015-2024
The Posse Foundation Posse Plus Retreat, 2018-2024
The Posse Foundation Mentor Training, 2019
The Best Teacher's Institute Training, 2017
Design of Experiments and Basic Statistics Training, 2009
ISO 14001/OHSAS 18001 Standards Review Training, 2006
Process and Value-Added Auditing for Beginners, 2006
Practical Audit Training, 2005
American Chemical Society Leadership Training, 2001
Design of Experiments, 2000
Kepner-Tregoe Problem Solving and Decision Making, 2000

EXPERIENCE

Middlebury College	Middlebury, Vermont
<i>STEM MiddSIP Assistant and Director</i>	2018-present
<ul style="list-style-type: none">▪ From 2018-2019, assisted Professor Susan DeSimone with STEM MiddSIP, the Middlebury summer STEM immersion program for incoming LA 4 and 5 Posse scholars▪ Received Posse Foundation mentor training in June of 2019▪ Obtained van license to transport the MiddSIP scholars▪ Mentor/advise LA Posse scholars in STEM areas of study▪ Travel to LA annually in December to assist Admissions in selecting the newest group of STEM LA Posse▪ Organized, directed, and participated in the summer 2020 virtual MiddSIP session for the LA 6 STEM Posse scholars▪ Since 2021, organize, direct, and participate in both remote and in-person MiddSIP sessions for LA STEM Posse scholars▪ Attend regular onsite Posse and mentor meetings throughout the academic year	

Middlebury College	Middlebury, Vermont
<i>Laboratory Instructor</i>	2014-present
<ul style="list-style-type: none">▪ Responsible for instruction of General Chemistry II and Advanced General Chemistry laboratories▪ Produce and present pre-lab lecture detailing critical points of laboratory and clarifying protocol▪ Prepare all reagents needed for laboratory experiments▪ Manage laboratory supplies and chemical waste	

- Conduct office hours and help sessions to provide opportunities for students to ask questions
- Assist in the development and documentation of new laboratory experiments to support class topics
- Evaluate and report on student laboratory progress
- Manage laboratory Teaching Assistants and Graders
- Member of Health Professions Committee from 2016-2019 (responsible for evaluating current student and alumni readiness for medical, dental, or veterinary schools)
- Member of Laboratory Safety Committee from 2016-2017
- Member of three senior thesis committees from 2017-2020
- Currently an Academic Advisor for several Chemistry majors
- Author letters of recommendation for current and former students
- Participate in search committees for hiring of Chemistry & Biochemistry Dept. faculty
- Assist in curriculum redesign for Chemistry & Biochemistry Dept.

Precision Pipette Services

N. Chittenden, Vermont

Owner

2019-2021

- With the assistance of Tim Allen, was responsible for the biannual cleaning, servicing, and calibration of the approximately 300 micropipettes used in Bicentennial Hall, Middlebury College

Dartmouth-Hitchcock Medical Center

Lebanon, New Hampshire

Senior Value Measurement Analyst, Department of Value Reporting and Analytics

2013-2014

- Acted as an internal consultant to provide leading edge value measurement, analysis, and reporting based on organizational priorities
- Developed analytical and reporting methods that supported improvements in value (cost and quality), patient safety, and patient satisfaction
- Facilitated incorporation of actionable metrics in all processes
- Expanded the capabilities of clinicians, managers, and administrators by providing them with the resources to accomplish specific objectives and by teaching modern measurement concepts
- Independently managed all aspects of assigned reporting projects
- Responsible for infection reporting necessary to meet state hospital regulations

Dartmouth College

Hanover, New Hampshire

Research Analyst, Office of Institutional Research

2012-2013

- Performed data analysis for Dartmouth College Health Improvement Project
- Assisted in student survey data management for collaboration between President's Office and Office of Institutional Research
- Implemented statistical tools (STATA and EXCEL) to clean and sort collected data
- Used charts, graphs, and other methods of graphical display to translate complex data into a visually user-friendly format
- Created dashboards to assist in the interpretation of data

Omya Inc.

Proctor, Vermont

Analytical Chemist

1996-2013

- Developed and validated new methods to optimize laboratory performance
- Standardized methods and instrumentation between North American quality control laboratories in coordination with international quality group, Product Development Department, and vendors
- Developed, initiated, and managed North American inter-laboratory repeatability and reproducibility studies
- Optimized and validated laboratory methods to ensure agreement of test results
- Trained personnel on new/revised methods and instrumentation
- Provided technical support to sales, marketing, and customers
- Conducted internal audits for North American quality control plant laboratories
- Standardized laboratory methods and instrumentation within North American sites
- Participated in international analytical, audit, and plant laboratory working groups

TEACHING EXPERIENCE

Community College of Vermont

Middlebury and Rutland, Vermont

Adjunct Chemistry, French and English Faculty

1996-2001 and 2009-2010

- Chose texts, prepared and presented lectures and assignments
- Conducted laboratories and demonstrations to illustrate class concepts
- Evaluated student lecture and laboratory performance

Castleton State College
Adjunct Faculty, Physics Laboratory

Castleton, Vermont
2009-2010

- Presented lectures on laboratory topics
- Conducted laboratories to illustrate class concepts
- Evaluated student laboratory performance

INSTRUMENTAL EXPERIENCE

XRF, TGA, AA, HPLC, UV/VIS, SEM, Zymark laboratory robotics, viscometer, moisture analyzer, particle size analyzer, autotitrator

AFFILIATIONS

ASTM International, E29 Committee Membership and Subcommittee Secretary, 2001-2008

American Chemical Society, Local Section: Chair, Chair-Elect, Secretary, Awards Chair, Northeast Regional Meeting Activities Chair, 1996-2013; member since 1986

Sigma Xi, Member, 2007 - present

SKILLS

Software: R, LabArchives, Labster Direct, Canvas, Moodle, EpicCare EMR, STATA, Access, Brio, Minitab, Blackboard, Outlook, Excel, PowerPoint, MS Word, Lotus Notes, Labvantage LIMS

Language: Fluent in French

Cultural Competency: Extensive professional travel outside of US (Europe, Mexico, Canada)

POSTER PRESENTATIONS

Dubé, M., Gelb, D., Hagler, T., & Havidich, J. (2012, September). *Evaluating the impact of legislation and community activism on the prevention of childhood obesity*. Poster presented at The Dartmouth Institute for Health Policy and Clinical Practice ECS 111 poster session, Lebanon, NH.

Ayer, S., Hoffman, A., & **Johnson, M.** (2011, December). *Exercise vs. antidepressants for depression: A systematic review*. Poster presented at The Dartmouth Institute for Health Policy and Clinical Practice ECS 102 poster session, Lebanon, NH.

PAPERS

Greaney, M.D., Marshall, D.L., Bailey, B.A., & Acworth, I.N. (1993). Improved method for the routine analysis of acetylcholine release *in vivo*: Quantitation in the presence and absence of esterase inhibitor. *J. Chrom.*, 622, 125-135.

Ressler, C., **Greaney, M.D.**, Tatake, J.G., Brettman, L.R., & Ballow, M. (1990). Immunological cross-reactivity *in vitro* between sulfamethoxazole and various other sulfa and related drugs. *J. Allergy Clin. Immunol.*, 85, 156ff.

CONFERENCE PRESENTATIONS

Greaney, M.D., Marshall, D.L., During, M.J., Bailey, B.A., & Acworth, I.N. (1992, October). *Ultrasensitive measurement of acetylcholine release in the conscious human hippocampus and anesthetized rat striatum using microdialysis*. Paper presented at Society for Neuroscience conference, Anaheim, CA.

Marshall, D.L., **Greaney, M.D.**, Erfurth, A., & Wurtman, R.J. (1992, October). *Effect of choline on basal acetylcholine release in vivo*. Paper presented at Society for Neuroscience conference, Anaheim, CA.

Garipey, K.C., Ullucci, P., Acworth, I.N., Bailey, B.A., & **Greaney, M.D.** (1992, March). *A sensitive and specific analysis for methylenedianiline in urine by HPLC with coulometric electrochemical detection*. Poster presented at The Pittsburgh Conference and Exposition, New Orleans, LA.