

Brice D. Thompson, N.D., M.S.

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EDUCATION AND TRAINING

Postdoctoral Scholar-Fellow, 2018–2020

Building Research Across Inter-Disciplinary Gaps (BRIDG) T90 Program
Mentor: Yvonne Lin, PhD; School of Pharmacy, Department of Pharmaceutics
University of Washington, Seattle, WA
Relevant coursework: Pharmaceutical Formulations, Medicinal Chemistry, Drug Disposition
Science, Concepts in Pharmacokinetics, Concepts in Pharmaceutics, Clinical Pharmacokinetics,
Epidemiology, Biostatistics in Clinical Studies

N.D., Naturopathic Doctor, 2018

National University of Natural Medicine, Portland, OR

M.S., Integrative Medical Research, 2018

Thesis: Effects of Berberine on Insulin-Like Growth Factor 1 Receptor in Colorectal Cancer Cells
National University of Natural Medicine, Portland, OR

B.S., Horticultural Science, 2012

Academic Honors
Colorado State University, Fort Collins, CO

ACADEMIC APPOINTMENTS

Associate Dean of Biomedical Sciences, 2026–Present

School of Naturopathic Medicine
National University of Natural Medicine, Portland, OR

Associate Professor, 2026–Present

School of Naturopathic Medicine
National University of Natural Medicine, Portland, OR

Assistant Professor & Clinical Research Investigator, 2025–2026

School of Naturopathic Medicine
National University of Natural Medicine, Portland, OR

Adjunct Faculty, School of Naturopathic Medicine, 2022–2025

National University of Natural Medicine, Portland, OR

Adjunct Faculty, School of Undergraduate and Graduate Studies, 2021–2025

National University of Natural Medicine, Portland, OR

Adjunct Faculty, College of Classical Chinese Medicine, 2021–2025

National University of Natural Medicine, Portland, OR

RESEARCH EXPERIENCE

Graduate Teaching and Research Assistant, 2020–2021

Department of Pharmaceutics, University of Washington, Seattle, WA

Postdoctoral Scholar-Fellow, 2018–2020

Department of Pharmaceutics, University of Washington, Seattle, WA

Research Associate I, 2013–2014

Portland Veterans Administration / Oregon Health and Sciences University, Portland, OR

Research Associate I, 2012–2013

Department of Microbiology, Immunology, and Pathology, Colorado State University, Fort Collins, CO

Laboratory Assistant, 2007–2012

Department of Microbiology, Immunology, and Pathology, Colorado State University, Fort Collins, CO

INDUSTRY EXPERIENCE

Chief Scientific Officer/Director of Manufacturing + Science, 2022–2025

Thaena Inc., Vancouver, WA

GRANTS AND FUNDING

Active/Current

Completed

T90 AT008544, NIH/NCCIH, 2018–2020

Building Research Across Inter-Disciplinary Gaps (BRIDG)

Role: Post-doctoral Scholar-Fellow (PI: Booth-LaForce, C)

Research Fellowship Grant, Naturopathic Medical Student Association, 2017–2018

Industry-Sponsored Research

AV1-SIBO Pilot Study

Title: An Open-Label Pilot Trial of a Multi-Component Nutritional Supplement in Hydrogen-Dominant Small Intestinal Bacterial Overgrowth

Funding Source: SFI Health, Reno, NV

Amount: \$150,000

Role: Clinician/Site PI

PI: Joshua Goldenberg, ND

Period: Jun 2025-Feb 2026

Agoge Safety & Tolerability Study

Title: Safety Evaluation of THC-Free Hemp Protein Isolate

Funding Source: Agoge/Sonoran University of Health Sciences/Arizona State University

Award Number: SLFRF

Amount: \$45,000

Role: Co-PI/Clinical Investigator
Period: Oct 2024-Dec 2025

Zimmerman MRF Grant

Title: Gotu Kola and Endothelial Function in Elderly Adults
Funding Source: MRF
Role: Clinical Investigator
PI: Ben Zimmerman, PhD
Period: Jun 2025-Dec 2025

PUBLICATIONS AND SCHOLARLY WORK

Peer-Reviewed Articles

1. Hoxmeier JC, **Thompson BD**, Broeckling CD, et al. Analysis of the metabolome of *Anopheles gambiae* mosquito after exposure to *Mycobacterium ulcerans*. *Sci Rep*. 2015;5:9242. doi:10.1038/srep09242
2. Ellenikiotis H, Chen KF, Soleimani-Meigooni DN, Rothen ML, **Thompson BD**, Lin YS, Milgrom P. Pharmacokinetics of 38 Percent Silver Diamine Fluoride in Children. *Pediatr Dent*. 2022;44(2):114-121.
3. Calder P, Ortega EF, Meydani S, Adkins Y, Stephensen C, **Thompson BD**, Zwickey H. Nutrition, Immunosenescence, and Infectious Disease: An Overview of the Scientific Evidence on Micronutrients and on Modulation of the Gut Microbiota. *Advances in Nutrition*. 2022;13(5):S1-S26. doi:10.1093/advances/nmac052
4. Nakama C, **Thompson BD**, Szybala C, McBeth A, Dobner P, Zwickey H. The Continuum of Microbial Ecosystems along the Female Reproductive Tract: Implications for Health and Fertility. *Pathogens*. 2022;11(11):1244. doi:10.3390/pathogens11111244
5. Follestad P, Filbin P, **Thompson BD**, Dobner P, Jaffe A, Perlmutter A, Zwickey H. Gut–Mind Interactions in Psychedelic Healing: A Case Study Assessing the Effects of Huachuma and Ayahuasca on the Mind and Microbiome. *JRM*. 2025;15(1):53-79. doi:10.14200/jrm.2025.0006

Book Chapters

1. Zwickey H and **Thompson BD**. Immune Function and Assessment. In *Textbook of Natural Medicine* 5th ed. Pizzorno JE and Murray MT (Eds.), Elsevier/Churchill Livingstone. 2020. ISBN: 978-0-323-52380-6.
2. Lin YS, Thummel KE, **Thompson BD**, Totah RA, Cho CW. Sources of Interindividual Variability. In: Nagar S, Argikar UA, Tweedie D, (eds). *Enzyme Kinetics in Drug Metabolism. Methods in Molecular Biology*, vol 2342. Humana, New York, NY. 2021. doi:10.1007/978-1-0716-1554-6_17

PRESENTATIONS

Invited Talks

- 02/2026 Gut Instincts: How GLP-1s are Reshaping Weight Loss
Invited Speaker, Aesthetic Medicine Conference, National University of Natural Medicine, Portland, OR

- 09/2023 IBS, the Microbiome, and Drugs
Invited CE Speaker, GastroANP Conference, Seattle, WA
- 09/2022 Autoimmunity and Microbial Metabolites
Invited Speaker, 2022 Thaena Symposium, Thaena Inc., Portland, OR
- 06/2022 Post-COVID Immunology and Pharmacology Update
Invited Speaker, 2022 Autoimmune Disorders Conference, National University of Natural Medicine, Portland, OR
- 12/2021 Microbiome-mediated Drug Interactions
Invited Speaker, Thaena Symposium, Thaena Inc., Portland, OR

Conference and Departmental Presentations

- 05/2024 PrEP, PEP, and DoxyPEP Update for Students & Faculty
National University of Natural Medicine, Portland, OR
- 10/2021 A Review of: Modeling Pharmacokinetics and Pharmacodynamics of Therapeutic Antibodies: Progress, Challenges, and Future Directions
Department of Pharmaceutics, University of Washington, Seattle, WA
- 09/2021 COVID-19 Vaccine Info Session
Co-Presenter with Heather Zwickey, PhD; National University of Natural Medicine, Portland, OR
- 09/2021 COVID-19 and Vaccine Info Session
Co-Presenter with Heather Zwickey, PhD; National University of Health Sciences, Lombard, IL
- 06/2021 Postbiotic Metabolomics
Department of Pharmaceutics, University of Washington, Seattle, WA
- 12/2020 Effect of Resveratrol on CYP3A4-mediated Metabolism
Department of Pharmaceutics, University of Washington, Seattle, WA
- 11/2020 A Review of: Vaccines and Therapeutic Antibodies against COVID-19
Department of Pharmaceutics, University of Washington, Seattle, WA

Poster Presentations

- 04/2020 Effect of Resveratrol on Cytochrome P450 3A4 Metabolism in Healthy Volunteers
2020 International Congress on Integrative Medicine and Health, Cleveland, OH
(Cancelled due to SARS-CoV-2 Pandemic)

Media and Podcasts

- 01/2020 Natural Medicine: Supplements, Herbs and Natural Products
The Original Guide to Men's Health, Washington State Urology Society Podcast

TEACHING EXPERIENCE

Courses Taught

- Minor Surgery** (CS627, 2 cr), 2025–Present
National University of Natural Medicine, Portland, OR

Didactic preparation for hands-on minor surgery lab and procedural clinical shifts, covering surgical principles, wound management, and peri-procedural considerations.

Pharmacology I, II, and III (CS612, CS622, CS632, 2 cr each), 2025–Present

National University of Natural Medicine, Portland, OR

Pharmacology course series covering the pharmacological management of conditions across organ systems, with emphasis on mechanisms of action, drug interactions (including herb-drug and nutrient-drug interactions), adverse effects, and integration of pharmaceutical agents into naturopathic clinical practice.

Clinical Biochemistry I & II (BS511, BS512, 4 cr each), 2025–Present

National University of Natural Medicine, Portland, OR

Two-course sequence in clinical biochemistry for first-year naturopathic medicine students, updated and delivered as part of the foundational biomedical science curriculum.

Fundamentals of Pharmacology (CS520, 2 cr, Online and In-person), 2025–Present

National University of Natural Medicine, Portland, OR

Designed and delivered the introductory pharmacology course for first-year ND students as part of a curriculum redesign to improve sequencing and student outcomes; offered in both online and in-person formats.

Evidence Informed Practice Seminar Series (CE516, BM614, CM634, 0.5 cr each), 2025–Present

National University of Natural Medicine, Portland, OR

Designed and delivered a three-part course series progressing from critical appraisal of clinical research through research ethics and bias to writing a case report for publication.

Gastroenterology & Proctology (CLS6230, 4 cr), 2024–Present

National University of Natural Medicine, Portland, OR

Course Director; designed, facilitated, and coordinated guest lecturers for primary care GI and proctology topics, including development of an AI-integrated case-based learning module.

Structure & Function I, II, & III (BAS5110, 5120, 5130, 1.58 cr), 2023–2024

National University of Natural Medicine, Portland, OR

Delivered lectures on anatomy and physiology of immune, gastrointestinal, and neurological organ systems for first-year ND students.

Integrative Immunology (CM699/RES702, 4 cr), 2021–Present

National University of Natural Medicine, Portland, OR

Primary course instructor covering innate and adaptive immunity, antigen presentation, autoimmunity, allergies, vaccines, cancer immunology, psychoneuroimmunology, and the microbiome for Doctor of Acupuncture students.

Immunology (NS322, 4 cr), 2022

National University of Natural Medicine, Portland, OR

Primary course instructor for undergraduate pre-med immunology, introducing foundational principles of immune function and regulation.

Pharmacology Lead, Naturopathic Doctorate Curriculum, 2022–Present

National University of Natural Medicine, Portland, OR

Developed and delivered pharmacology content across 11 integrated clinical courses (EENT, Dermatology & Minor Surgery, Hematology & Oncology, MSK/Orthopedics/Rehab, Reproductive Medicine, Rheumatology & Immunology, Psychology & Mental Health,

Neurology, Pediatrics & Geriatrics, Therapeutic Modalities II, and NPLEX Pharmacology Review).

Teaching Assistantships

Pharmaceutical Formulation: Principles and Dosage Forms (PCEUT531), 2021

University of Washington, School of Pharmacy, Seattle, WA

Design and Analysis of Medical Studies (PHRMCY514), 2021

University of Washington, School of Pharmacy, Seattle, WA

Alternative and Complementary Medicines (PHARM501), 2021

University of Washington, Department of Pharmacy, Seattle, WA

Integrative Immunology (CM699), 2015–2018

National University of Natural Medicine, Portland, OR

Nutritional Immunology (GSN589E), 2015–2018

National University of Natural Medicine, Portland, OR

CLINICAL EXPERIENCE

Flora Medicine, Portland, OR, 2022–2023 (practice sold 2023)

Part-time provider/owner. Focus on adjunctive integrative gut health and treatment of recurrent *Clostridioides difficile* infections with Fecal Microbiota Transplant (FMT) therapy.

Outside In, Portland, OR, 2017–2018 (>100 hrs)

Preceptorship: primary care services to marginalized communities with a focus on LGBTQIA+ health. Preceptor: Cheryl Estlund, ND.

Neurology, Oregon Health and Sciences University, Portland, OR, 2018 (50 hrs)

Preceptorship: outpatient neurological conditions. Preceptor: Meredith Frederick, MD.

Portland Urgent Care, Portland, OR, 2017 (50 hrs)

Preceptorship: acute care management.

Avalon Natural Medicine & Aesthetics, Portland, OR, 2017 (50 hrs)

Preceptorship: naturopathic primary care with a focus on aesthetic and functional medicine.

INSTITUTIONAL AND PROFESSIONAL SERVICE

Institutional Service

Chair, Programmatic Evaluation Committee, NUNM, 2025–Present

Co-Lead, Academic Sub-group, AI Taskforce, NUNM, 2025–Present

Faculty Compensation Model Development Committee, NUNM, 2025–Present

Institutional Curriculum Design, NUNM, 2024–Present

Professional Service

Research Advisor, American Association of Naturopathic Physicians, 2018–2020

Board of Directors, Naturopathic Medical Student Association, 2014–2018

Peer Review

Journal of Alternative and Complementary Medicine

Journal of Complementary and Integrative Medicine

PROFESSIONAL DEVELOPMENT AND TRAINING

Responsible Conduct of Research—Human Subjects Learners Training

CITI Program, University of Washington & National University of Natural Medicine, 2021–Present

CITI Good Clinical Practice (GCP) and ICH

CITI Program, University of Washington & National University of Natural Medicine, 2021–Present

Institute of Translational Health Science (ITHS) Introduction to Clinical Research Bootcamp

PI and Research Staff Tracks, University of Washington, Seattle, WA, 2019/20

Biomedical Research Integrity Training

University of Washington, Seattle, WA, 2019/20

Mary Frances Picciano Dietary Supplement Research Practicum

Office of Dietary Supplements, Bethesda, MD, 2019

ITHS REDCap Training

University of Washington, Seattle, WA, 2019

Systematic Review Workshop

National University of Natural Medicine, Portland, OR, 2019

NCCIH Fellows and Trainees Workshop

National Institutes of Health, Bethesda, MD, 2019

Introduction to the Principles and Practice of Clinical Research

National Institutes of Health, Clinical Center, Bethesda, MD, 2018/19

Teaching Strategies & Course Development

National University of Natural Medicine, Portland, OR, 2017

PROFESSIONAL MEMBERSHIPS

American Association of Naturopathic Physicians (AANP)

Oregon Association of Naturopathic Physicians (OANP)

American Association of Family Practitioners (AAFP)

LICENSES AND CERTIFICATIONS

Naturopathic Doctor (N.D.), 2018–Present

Oregon Board of Naturopathic Medicine (OR Credential: #4226)