

Brice D. Thompson, N.D., M.S.
Chief Scientific Officer
Thaena, Inc.
5951 E 18th Street, Unit 110, Vancouver, WA 98661
Tel: (970) 396-5220
brice@thaena.com

ACADEMIC HISTORY

Degrees

- 2020 **Postdoctoral Scholar-Fellow**
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
- 2018 **N.D., Naturopathic Doctor**
National University of Natural Medicine, Portland, OR
- 2018 **M.S., Master of Science**
Focus on Integrative Medical Research
National University of Natural Medicine, Portland, OR
- 2013 **B.S., Horticultural Science**
Academic Honors
Colorado State University, Fort Collins, CO

PROFESSIONAL EXPERIENCE

Teaching Experience

- 2022 **Musculoskeletal, Orthopedics, Exercise Physiology & Rehabilitation – CLS6210, 0.42 credits**
National University of Natural Medicine, Portland, OR
- Developed course material and delivered lectures on pharmacologic management in chronic and acute musculoskeletal conditions
- 2022 **Reproductive Medicine Block – CLS7310, 0.5 credits**
National University of Natural Medicine, Portland, OR
- Developed course material and delivered lectures on pharmacologic management related to reproductive health
- 2022 **Rheumatology and Immunology – CLS7311, 0.17 credits**
National University of Natural Medicine, Portland, OR

- Developed course material and delivered a lecture on pharmacologic management in chronic and acute rheumatology and immunology conditions
- 2022 **NPLEX Pharmacology Review Intensive**
National University of Natural Medicine, Portland, OR
- Developed course material and delivered 5 lectures on pharmacologic therapies and mechanisms relevant for graduates taking NPLEX II Board Exam
- 2022 **Psychology and Mental Health – CLS7332, 0.5 credits**
National University of Natural Medicine, Portland, OR
- Developed course material and delivered 2 lectures on pharmacologic management in chronic and acute mental health conditions for naturopathic doctoral students
 - Developed course material and delivered 1 lecture on ADHD and related neurodivergent disorders covering pathophysiology, diagnosis, assessment, and management
- 2022 **Immunology – NS322, 4 credits**
National University of Natural Medicine, Portland, OR
- Developed course material and delivered lectures introducing principles of immunology for undergraduate students
 - Covered topics: immune development, physiology of the immune system, immune system in health and disease, infectious diseases and the immune system, autoimmunity, allergic conditions
- 2021 **Pharmaceutical Formulation: Principles and Dosage Forms TA – PCEUT531, 4 credits**
University of Washington, Department of Pharmaceutics, Seattle, WA
- Managed student content and virtual delivery methods for course instructors
 - Assisted in the delivery of laboratory methods used for compounding pharmaceuticals
- 2021 **Research Capstone III – RES690, 3 credits**
National University of Natural Medicine, Portland, OR
- Mentored masters' students in developing a research topic and performing literature reviews
- 2021-
present **Integrative Immunology – CM699/RES702, 4 credits**
National University of Natural Medicine, Portland, OR

- Developed course material for primarily virtual delivery of immunological concepts for DAOM students
- Covered topics: Innate immunity, adaptive immunity, antigen presentation, autoimmunity, allergies, vaccines, cancer immunology, psychoneuroimmunology, and microbiome

2021 **Design and Analysis of Medical Studies TA – PHRMCY514, 2 credits**

University of Washington, Department of Pharmacy, Seattle, WA

- Developed course material related to study design and statistical methodologies for PharmD students
- Tutored students on critical appraisal of literature and application to medical practice

2021 **Alternative and Complementary Medicines TA – PHARM501, 1 credit**

University of Washington, Department of Pharmacy, Seattle, WA

- Developed and delivered case presentations for PharmD students highlighting natural product-drug interactions and appropriate use of common dietary supplements
- Assisted with developing course material (exams, lectures, assignments, etc.)

2015-17 **Integrative Immunology TA – CM699, 4 credits**

National University of Natural Medicine, Portland, OR

- Delivered two lectures on HIV immunopathology and Innate Immunity
- Assisted in course preparation, grading, and course website (blackboard) maintenance
- Held group and individual tutoring sessions as well as general office hours

2015-18 **Nutritional Immunology TA – GSN589E, 4 credits**

National University of Natural Medicine, Portland, OR

- Delivered one lecture on Innate Immunity
- Assisted with grading and course website (blackboard) maintenance
- Held individual tutoring sessions and general office hours

Clinical Experience

2022 **Flora Medicine – Portland, OR**

Part-time Provider

Focus on adjunctive integrative gut health and treatment of recurrent *Clostridioides difficile* infections with Fecal Microbiota Transplant (FMT) therapy

2017-18 **Outside In – Portland, OR**

Preceptorship

Provided primary care services to homeless youth and other marginalized communities, with a focus on the LGBTQIA+ community

Reference: Sheryl Estlund, ND; sestlund@nunm.edu

- 2018 **Neurology, Oregon Health and Sciences University – Portland, OR**
Preceptorship
Management and treatment of outpatient neurological diseases
Reference: Meredith Frederick, MD; Meredith.frederick@bannerhealth.com
- 2017 **Portland Urgent Care – Portland, OR**
Preceptorship
Acute care management
Reference: Charlie Wong, MD
- 2017 **Avalon Natural Medicine & Aesthetics – Portland, OR**
Preceptorship
Naturopathic primary care with a focus on aesthetic and functional medicine
Reference: Alison Schulz, ND

Trainings

- 2020/21 **Responsible Conduct of Research-Human Subjects Learners Training**
CITI Program, University of Washington, Seattle, WA
- 2020/21 **CITI Good Clinical Practice – Good Clinical Practice and ICH (GCP)**
CITI Program, University of Washington, Seattle, WA
- 2019/20 **Institute of Translational Health Science (ITHS) Introduction to Clinical Research Bootcamp**
Principal Investigator and Research Staff Tracks
University of Washington, Seattle, WA
- 2019/20 **Biomedical Research Integrity Training**
University of Washington, Seattle, WA
- 2019 **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
- 2018/19 **Introduction to the Principles and Practice of Clinical Research**
National Institutes of Health, Clinical Center, Bethesda, MD
- 2017 **Teaching Strategies & Course Development**
National University of Natural Medicine, Portland, OR

Professional Employment

- 2022-Present **Provider**
Flora Medicine, Portland, OR

- 2022-Present Direct Supervisor: Piper Dobner, ND – piper@floramedicine.com
Chief Scientific Officer
Thaena, Inc., Vancouver, WA
- 2022-Present Direct Supervisor: Andrea McBeth, ND – andrea@thaena.com
Adjunct Faculty
*School of Naturopathic Medicine
National University of Natural Medicine, Portland, OR*
- 2021-Present Direct Supervisor: Kelly Baltazar, ND – kbaltazar@numm.edu
Adjunct Faculty
*School of Undergraduate and Graduate Studies
National University of Natural Medicine, Portland, OR*
- 2021-Present Direct Supervisor: Andrew Erlandsen, ND – aerlandsen@numm.edu
Adjunct Faculty
*College of Classical Chinese Medicine
National University of Natural Medicine, Portland, OR*
- 2020-2021 Direct Supervisor: Andy McIntyre, MS, LAc – amcintyre@numm.edu
Graduate Teaching and Research Assistant
*Department of Pharmaceutics
University of Washington, Seattle, WA*
- 2018-2020 Direct supervisor: Yvonne Lin, PhD – yvonlin@uw.edu
Postdoctoral Scholar-Fellow
*Department of Pharmaceutics
University of Washington, Seattle, WA*
- 2013-2014 Direct supervisor: Cathryn Booth LaForce, PhD – ibcb@uw.edu
Research Associate I
*Portland Veterans Administration/Oregon Health and Sciences University
Portland, OR*
- 2012-2013 Direct supervisor: Melanie Harriff, PhD – harriffm@gmail.com
Research Associate I
*Department of Microbiology, Immunology, and Pathology
Colorado State University, Fort Collins, CO*
- 2007-2012 Direct supervisor: Karen Dobos, PhD – karen.dobos@colostate.edu
Laboratory Assistant
*Department of Microbiology, Immunology, and Pathology
Colorado State University, Fort Collins, CO*
Direct supervisor: Karen Dobos, PhD – karen.dobos@colostate.edu

AWARDS AND HONORS

- 2012 Academic Honors, Colorado State University
2016 President's Award, Naturopathic Medical Student Association

PUBLICATIONS AND PRESENTATIONS

Publications

Hoxmeier JC, **Thompson BD**, Broeckling CD, et al (2015) Analysis of the metabolome of *Anopheles gambiae* mosquito after exposure to *Mycobacterium ulcerans*. *Sci Rep* 5: <https://doi.org/10.1038/srep09242>

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.

Lin YS, Thummel KE, **Thompson BD**, Totah RA, Cho CW. (2021) 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. https://doi.org/10.1007/978-1-0716-1554-6_17

Ellenikotis 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.

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](https://doi.org/10.1093/advances/nmac052)

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](https://doi.org/10.3390/pathogens11111244)

Invited Manuscript Reviewer for

Journal of Alternative and Complementary Medicine
Journal of Complementary and Integrative Medicine

Presentations

- 09/2022 Autoimmunity and Microbial Metabolites
Invited speaker for 2022 Thaena Symposium
Thaena, Inc. (Portland, OR)

- 06/2022 Post-CoVID Immunology and Pharmacology Update
Invited speaker for 2022 Autoimmune Disorders Conference
National University of Natural Medicine (Portland, OR)

- 12/2021 Microbiome-mediated Drug Interactions
Invited speaker for Thaena Symposium
Thaena, Inc. (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
National University of Natural Medicine (Portland, OR)
- 09/2021 CoVID-19 and Vaccines
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)
- 04/2020 Effect of Resveratrol on Cytochrome P450 3A4 Metabolism in Healthy Volunteers
2020 International Congress on Integrative Medicine and Health (Cleveland, OH)
Poster Presentation, *Cancelled due to SARS-CoV-2 Pandemic*
- 01/2020 Natural Medicine: Supplements, Herbs and Natural Products in The Original Guide to Men's Health by the Washington State Urology Society
<https://podcasts.apple.com/us/podcast/episode-24-natural-medicine-supplements-herbs-natural/id1458307251?i=1000459094418>

GRANTS AND SCHOLARSHIPS

- 2017-18 Research Fellowship Grant
Naturopathic Medical Student Association
- 2018-20 T90 AT008544, NIH/NCCIH
Building Research across Inter-Disciplinary Gaps (BRIDG)
Role: Post-doctoral Scholar-Fellow (PI: Booth-LaForce, C)

LICENSES AND CERTIFICATIONS

- 2022 Naturopathic Doctor (N.D.)
Oregon Board of Naturopathic Medicine (OR Credential: 4226)
- 2018 Naturopathic Doctor (N.D.)
Washington Department of Health (WA Credential: NT60901770)
- 2007 Eagle Scout

PROFESSIONAL ASSOCIATIONS

American Association of Naturopathic Physicians (AANP)
Washington Association of Naturopathic Physicians (WANP)
Oregon Association of Naturopathic Physicians (OANP)
American Association of Family Practitioners (AAFP)

SERVICE

2014-18 Board of Directors, Naturopathic Medical Student Association
2018-20 Research Advisor, American Association of Naturopathic Physicians