



## ET/D Declaration of Authorship

Nicole A. Vita

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### Declaration for Entire ET/D

In accordance with the University of Tennessee Health Science Center [Honor Code](#) and the requirements for integrity and honesty laid out in the College of Graduate Health Sciences' [Electronic Thesis & Dissertation \(ET/D\) Learning Portal](#), I (named above), declare that this thesis/dissertation titled "Computer-Aided Drug Discovery for *Helicobacter pylori*" and the work presented therein are my own. I confirm that:

- This work was done wholly or mainly while being a candidate for a terminal degree at the University of Tennessee Health Science Center.
- There is clear and full disclosure in the thesis/dissertation for any part that was previously submitted for a degree or any other qualification at this University or any other institution or that has been accepted for publication.
- Where I used the published or unpublished work of others, this is clearly attributed.
- Where I have quoted or paraphrased text or have reprinted or modified images, tables, or other data from the work of others, the source is always given, and quotation marks are used for text, following fair use guidelines. Except for such acknowledged instances, this thesis/dissertation is entirely my own work.
- I have acknowledged all other main sources of help (e.g., lab assistance, joint work on projects, consultations/discussions with colleagues/experts, funding).
- Where the thesis/dissertation is based on work done jointly with others, I have made clear what I contributed (see next page).

Richard E. Lee

\_\_\_\_\_  
Advisor Name

 **Lee, Richard E**  
to me, Nicole, Larry ▾  
Confirmed, all statements are accurate  
Richard Lee

Sun, Nov 20, 2:29 PM (20 hours ago)

\_\_\_\_\_  
Digital reply with confirmation

## Declaration for Previously Published Articles with Several Authors Incorporated into the ET/D. (Includes in press and accepted articles.)

If this declaration is not applicable, please indicate here:

Articles with several authors incorporated into my ET/D and my contributions to them:

### Chapter: 2

**Citation:** Nicole A. Vita, Shelby M. Anderson, Michael D. LaFleur, and Richard E. Lee. "Targeting Helicobacter pylori for antibacterial drug discovery with novel therapeutics". *Current Opinions in Microbiology* 2022, **70**:102203. **DOI:** <https://doi.org/10.1016/j.mib.2022.102203>

**My significant contributions:** Conceptualization, formal analysis, investigation, data curation, writing - original draft, writing - review and editing, and visualization.

### Chapter: 3

**Citation:** Alex K. Mugengana\*, Nicole A. Vita\*, Autumn Brown Gandt\*, Kevin Moran, George Agyapong, Lalit K. Sharma, Elizabeth C. Griffith, Jiuyu Liu, Lei Yang, Ekaterina Gavrish, Kirk E. Hevener, Michael D. LaFleur, and Richard E. Lee. "The Discovery and Development of Thienopyrimidines as Inhibitors of Helicobacter pylori That Act through Inhibition of the Respiratory Complex I". *ACS Infectious Diseases* 2021, **7** (5), 1044-1058. Copyright 2021 American Chemical Society. \* Co-first authors. **DOI:** <https://doi.org/10.1021/acsinfecdis.0c00300>

**My significant contributions:** Conceptualization, methodology, software, validation, formal analysis, investigation, resources, data curation, writing - original draft, writing - review and editing, and visualization