



## ET/D Declaration of Authorship

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, Jeffrey Michael Rybak, declare that this dissertation titled "Challenging the Paradigm of Clinical Triazole Resistance in *Aspergillus fumigatus*" 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.
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- 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 dissertation is based on work done jointly with others, I have made clear what I contributed (see next page).

**Student Name:** Jeffrey Michael Rybak

See digital reply with confirmation.

**Advisor Name:** Phillip D. Rogers

See digital reply with confirmation.

**Declaration of Personal Contributions to Previously Published Articles  
with Several Authors Incorporated into the ET/D  
(This also includes in press and accepted articles.)**

Please provide below the Chapter number of the incorporated article(s), the List of References citation, and your significant contributions as first or second author, or indicate Not Applicable. If part of your accepted submission to the journal was a statement of author contributions, you may quote that and at the end indicate [As submitted and accepted by *Journal title*.]

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

- **Chapter 1**
- **Citation:** Rybak JM, Fortwendel JR, and Rogers PD. Emerging threat of triazole-resistant *Aspergillus fumigatus*. *J Antimicrob Chemother*. 2019 Apr 1;74(4):835-842.
- **My significant contributions:** Conceptualization, Methodology, Validation, Formal Analysis, Investigation, Writing – Original Draft as well as Review and Editing, Visualization, and Partial Project Administration.
  
- **Chapter 2**
- **Citation:** Rybak JM, Ge W, Wiederhold NP, Parker JE, Kelly SL, Rogers PD and Fortwendel JR. Mutations in *hmg1*, challenging the paradigm of clinical triazole resistance in *Aspergillus fumigatus*. *MBio*. 2019 Apr 2;10(2). pii: e00437-19.
- **My significant contributions:** Conceptualization, Methodology, Validation, Formal Analysis, Investigation, Writing – Original Draft as well as Review and Editing, Visualization, and Partial Project Administration.
  
- **Chapter 3**
- **Citation:** Rybak JM, Ge W, Wiederhold NP, Parker JE, Kelly SL, Rogers PD and Fortwendel JR. Mutations in *hmg1*, challenging the paradigm of clinical triazole resistance in *Aspergillus fumigatus*. *MBio*. 2019 Apr 2;10(2). pii: e00437-19.
- **My significant contributions:** Conceptualization, Methodology, Validation, Formal Analysis, Investigation, Writing – Original Draft as well as Review and Editing, Visualization, and Partial Project Administration.
  
- **Chapter 4**
- **Citation:** Rybak JM, Ge W, Wiederhold NP, Parker JE, Kelly SL, Rogers PD and Fortwendel JR. Mutations in *hmg1*, challenging the paradigm of clinical triazole resistance in *Aspergillus fumigatus*. *MBio*. 2019 Apr 2;10(2). pii: e00437-19.
- **My significant contributions:** Conceptualization, Methodology, Validation, Formal Analysis, Investigation, Writing – Original Draft as well as Review and Editing, Visualization, and Partial Project Administration.

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