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- 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- Where I used the published or unpublished work of others, this is clearly attributed.

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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 thesis/dissertation is based on work done jointly with others, I have made clear what I contributed (see next page).

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Advisor Name: Thirumala-Devi Kanneganti

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Declaration of Personal Contributions to Previously Published Articles with Several Authors Incorporated into the ET/D
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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:

- **Chapters 2, 3, and 4**
  - **My significant contributions:** Conceptualization, Methodology, Validation, Formal Analysis, Investigation, Resources, Data Curation, Writing - Original Draft as well as Review & Editing, Visualization, Project Administration. All co-first authors shared these responsibilities equally.

- **Chapter 4**
  - **Citation:** Lee E, Karki R, Kanneganti T-D. The NLRC4 inflammasome requires IRF8-dependent production of NAIPs. Cell Stress. 2018 May 22;2(6):144–6.
  - **My significant contributions:** Conceptualization, Writing - Original Draft as well as Review & Editing, Visualization, Project Administration.
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