

Criteria for Scoring Past Research Accomplishments
 TC Jenkins Department of Biophysics, Johns Hopkins University
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Scientific field and research questions within the field: Why is the scientific area/field studied important? Are the specific questions candidate set out to address fundamental to the field or incremental? Are the questions relevant to the larger scientific community?

| | 3 (Exceptional) | 2 (Solid) | 1 (Weak) | 0 |
|--------------------|--|--|--|---------------|
| Field Definition | Clearly defines the field and articulates its importance to basic and/or applied understanding of biology. | Field definition and its importance is at times vague. | Vague | Not addressed |
| Research Questions | Clearly articulates the question(s) they sought to answer and explains their fundamental importance to the field | Questions studied are justified as fundamental but at times poorly expressed or unconvincing | Justification for questions studied is vague | Not addressed |

Candidate's contributions: How did the candidate contribute to the project (main driver, collaborator)? What challenges did the candidate face during the project? How did the candidate overcome these challenges?

| | 3 (Exceptional) | 2 (Solid) | 1 (Weak) | 0 |
|---------------|---|--|--|---------------|
| Contributions | Main intellectual and technical driver of the project | Significant intellectual or experimental contributions | Minor intellectual or experimental contributions | Not addressed |
| Challenges | Challenging project. Candidate was instrumental in overcoming project-related challenges. | Project somewhat challenging | Project not very challenging | Not addressed |

Scientific advancements: What were the major findings resulting from the candidates work? How did these findings help advance the field? How did these findings impact related fields or the broader scientific community? What new questions arise from the candidate's work?

| | 3 (Exceptional) | 2 (Solid) | 1 (Weak) | 0 |
|----------------------|---|--|---|---------------|
| Findings Significant | Clearly articulates research findings and their significance. | Findings and/or their significance are, at times vague | Findings are vague and/ or not clearly related research questions | Not described |

This document was adapted from search criteria used by Yale MB&B Fall 2020.