Criteria for Scoring Future Research Plans from Faculty Candidates

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Significance of the scientific problem: Which specific questions does the candidate seek to answer? If the hypothesis is tested, do we care about the answer? Are the questions fundamental to the field or incremental? Are the questions relevant to the larger scientific community?

	3 (Exceptional)	2 (Solid)	1 (Weak)	0 .
Importance of Problem	Clearly articulates the importance of the larger problem. Seeks a biological insight and/or technological advance that has broad significance to the scientific community.	problem and offers	only vaguely justifies the	Not addressed
ten and	Clearly articulates research questions and why they are fundamental to the field. Questions are deep and challenging to answer.	Good likelihood that research will be fundamental to the field		Not addressed

Focus and approach: What will the candidate do to answer their questions? Is the plan logical? Will the results address the hypothesis? If the approach succeeds, will it result in understanding of a biological problem at the molecular level?

	3 (Exceptional)	2 (Solid)	1 (Weak)	0
Clear and appropriate	will provide an insightful perspective on the problem. Candidate makes clear case that	logically related to the scientific question and are	tangential or irrelevant. Some important details	Unclear and/or illogical
han	Seeks a complete and quantitative understanding at the cellular and/or molecular level	Central focus is on molecular and/or cellular	somewhat mechanistic.	Not mechanistic

Innovation and scope: Is the perspective pioneering? Are new methods used or proposed? Are the aims well balanced between short-term/feasible and longer term/ambitious?

	o (Exceptional)	· · · ·	1 (Weak)	0
Innovation	the applicant are central to	and/or methodological		Not addressed
Scope	Ambitious and unified long- term project with clear and feasible increments described.		overly ambitious or excessively	Trivial or absurdly excessive

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