

**Annual Review of Probationary Tenure Track Faculty Member**  
[REDACTED]  
**2008 Review**

Brief Background

This report is written in accordance with The University of Iowa Provost's directions for the review of probationary faculty members, it focuses on the areas of (1) teaching effectiveness, (2) research productivity, and (3) potential. Dr. [REDACTED] is currently completing one-half year in rank as an Assistant Professor of [REDACTED] at The University of Iowa.

Method of Review

Dr. [REDACTED] was asked to submit an updated CV and a personal statement outlining his accomplishments in the past year, his own assessment of progress, a statement regarding mentoring provided to him, and a description of goals for the coming year. After review of materials, a written report was prepared and shared with the Dr. [REDACTED]. Finally, the Department Head met with Dr. [REDACTED] to discuss the review and to plan goals for the coming year.

Teaching

Dr. [REDACTED] was appointed Assistant Professor of [REDACTED] in June 2008 with the understanding that for the first year of his appointment, teaching would be optional. However, he was encouraged to accept opportunities to teach in the areas of his research expertise as they arise with the goal of establishing three new lectures per year in years 2-5 of his appointment. He was also informed of opportunities for small group sessions with graduate students in the Biosciences Program. Dr. [REDACTED] already has one rotating graduate student in his lab (11/08 – 02/09). He has also served as faculty host for one presentation in [REDACTED] (142-289).

Research

Since arriving at the University of Iowa, Dr. [REDACTED] has made rapid progress towards establishing himself as an independent investigator in the department. He has purchased equipment and supplies to start up his laboratory. At the time he was appointed, Dr. [REDACTED] had published ten peer-reviewed papers, and was first author on eight of them. He recently published another first-authored manuscript in [REDACTED] from his previous postdoctoral work at [REDACTED] and has one chapter in [REDACTED] (2<sup>nd</sup> Edition) that is in press and will be published in 2009. He has already established important collaborations with members of the UI research community, including: 1) [REDACTED] (Internal Medicine) – obtaining liver biopsies from hepatitis C-infected patients, to determine whether there is evidence of ER stress in these tissues in a way that correlates with clinical progression or prognosis; 2) [REDACTED] (Microbiology) – helping to understand how the ER stress response affects the differentiation of B lymphocytes into antibody-secreting plasma cells; 3) [REDACTED] (Internal Medicine) – determining whether chronic ER stress influences the expression of specific miRNAs that his group has shown are associated with hepatitis C-induced liver pathology; 4) [REDACTED] (Pediatrics) - understanding how ER stress regulated metabolic activity in the liver; 5) [REDACTED] (Internal Medicine) – assisting Dr. [REDACTED] in understanding the effects of cigarette smoke on cellular physiology, including ER stress.; and 6) [REDACTED] (Mathematics) – developing a mathematical model to describe how the ER stress response integrates information on the strength, nature, and persistence of the stressor into patterns of gene regulation.

Dr. [REDACTED] has submitted one NIH RO1 (\$1,875,000), one Carver Medical Research Initiative Grant (\$30,000), one NSF (\$800,000), and one NIH X02 (\$2,250,000) grant since joining the University of Iowa. Dr. [REDACTED] is listed as Principal Investigator on all of these submissions. Dr. [REDACTED] has demonstrated an impressive level of focus and persistence to submit this number of grants in such a short time since arriving at the University of Iowa. He is well ahead of the curve in this regard in comparison to his peers in rank.

Dr. [REDACTED] will present a poster at the Keystone Symposium: Omics Meets Cell Biology in Breckenridge, CO, in 2009.

#### Academic Service

In the short time that Dr. [REDACTED] has been here, he has taken an active role in departmental activities. He has assisted with [REDACTED] faculty recruitment, will present work before Dean Rothman as part of the [REDACTED] Departmental review [REDACTED] and has recently been charged with representing the department in the newly developed COM [REDACTED] Series. He also routinely attends departmental faculty meetings, departmental events, and seminars. He continues to serve on the [REDACTED] program, which he has served on since 1998,

#### Mentoring Statement

Since the time of Dr. [REDACTED]'s initial appointment, Dr. [REDACTED] has served as his mentor. They meet once a week or every other week in the context of a junior faculty lunch, where up to six faculty ([REDACTED]) go to lunch and discuss various topics. These include PI-student dynamics, obtaining funding, teaching, and others. These lunches were Dr. [REDACTED]'s idea, as he is also faculty mentor to Drs. [REDACTED] and [REDACTED]. Dr. [REDACTED] reports that he has found these to be a helpful mechanism for some of the "ins and outs" of faculty departmental life. Dr. [REDACTED] occasionally seeks Dr. [REDACTED]'s advice on administrative issues.

Dr. [REDACTED] has not sought Dr. [REDACTED]'s advice on grant review before submission instead relying on one person inside or outside UI with relevant experience in those areas vet the science and its presentation. In preparation of his Dr. [REDACTED]'s first grant, he felt that Dr. [REDACTED] provided a great deal of useful, constructive input on organization and overall tenor of his grant.

#### Summary

Dr. [REDACTED] has spent a significant amount of time writing grants and developing important collaborations since joining the faculty at the University of Iowa. Because of this, one of his significant challenges is finding enough time for bench work. Despite this, Dr. [REDACTED] was able to successfully complete rebuttal experiments for acceptance of his [REDACTED] manuscript from his postdoc. Now that a large number of grants have been submitted, Dr. [REDACTED] should begin to reemphasize active laboratory research and focus on mentoring students in his laboratory. He should also make sure to participate actively during the February and March graduate recruitment weekends, which will enhance attracting students to his laboratory. In the fall of 2009, Dr. [REDACTED] should also present his research to the Biosciences Program, which may also help attract rotating students.

#### Goals

Dr. [REDACTED] plans to obtain funding for his NIH grant on [REDACTED] in the coming 1-2 years and submit revisions of the grants if necessary. He would like to submit at least one

manuscript in 2009, on one or more of the following: 1) ER stress-mediated control of transcription factor networks; 2) the role of the ER stress response in alcoholic fatty liver disease; and/or 3) adaptation to ER stress during B lymphocyte development (collaboration with [REDACTED]). He also plans on obtaining preliminary data for the following projects: 1) ER stress-mediated control of gene expression by regulation of microRNAs (collaboration with [REDACTED]); and 2) the role of the UPR in protecting organisms from aging.

Dr. [REDACTED] is also interested in providing lectures in any one of the following electives: 1) [REDACTED] Principles in Molecular & Cell Biology; 2) 060:216 Mechanisms of Cellular Organization; 3) 650:270 Responsible Conduct in Research; and 4) 071:209 Receptors and Signal Transduction. Alternatively, he would be interested in coordinating a class on cellular stress responses. He also plans to recruit at least one Ph.D. student to his laboratory full-time during 2009. He hopes to have attracted 3-4 full-time graduate students to his laboratory by the end of his fourth year.

Dr. [REDACTED] has enthusiastically expressed interest in serving on a faculty search committee, student thesis committees, and serving as an ad hoc journal reviewer.

Dr. [REDACTED] was instructed to annotate the publications on his curriculum vitae and examples of this were provided. This will help to begin preparation for promotion and tenure and the University of Iowa.

I have received a copy of this review.