David P. Basile, Ph.D.

Teaching and Teaching Scholarship Section

Item from Promotion and Tenure Dossier Checklist	Location
Teaching Statement	This section
Peer evaluation of teaching	
Meghan Palmer, Ph.D.	Appendices
Julie Vannerson, M.D.	Appendices
Student evaluation of teaching – X604 Concepts in Health and Disease	Appendices
Evidence of student learning	Curriculum Vitae
Evidence of undergraduate or graduate student research or mentoring	Curriculum Vitae
Evidence of quality of course development or innovation efforts – Cardiovascular Sciences Ph.D. minor	Appendices

Section III: Teaching and Performance

This section contains a summary of documentation provided for evidence of satisfactory teaching performance. As I described in Section II, Personal Statement, and in Section IV, C.V., I have been active in teaching activities since my arrival in 2005. These activities include 1) teaching in course work, 2) mentorship of graduate and undergraduate students 3) activities on the departmental graduate committee, 4) creation of a new graduate school minor in cardiovascular sciences.

1. Evidence of quality teaching and advising as evaluated by peers.

Since the time of my arrival, I have accepted every request to participate in the teaching mission. My classroom teaching has been in the form graduate student courses and as a facilitator in the Medical Student Course X604 (Concepts in Health and Disease). No formal peer evaluation process has been place for these courses. In 2008, when I was installed as the course director for G735 (Cardiovascular, Renal and Respiratory Function in Health and Disease), I sought to address the shortcomings for the lack of peer review. We initiated contact with the Medical Education and Curricular Affairs Office at the Indiana University School of Medicine, of which, part of its mission is to provide outside constructive evaluation for medical school courses. During the 2009 academic year, representatives from the MECA office spent several days evaluating the instructors in G735. After completion of the course, MECA representatives provided constructive feedback based on their observations. I have included in the appendix their reports pertaining to my own lectures from the following individuals:

Dr. Meghan Palmer
Dr. Julie Vannerson

2. Evidence of quality teaching and advising or mentoring as evaluated students.

Since the time of my arrival, only the Medical School Course X604 has provided formal evaluation from students. The numerical evaluations utilized in this course are provided for 2007, 2008 and 2009 in the appendix.

3. Evidence of undergraduate or graduate research and effective mentor relationships with students leading to documented learning outcomes

Evidence for quality mentoring of graduate students is highlighted in the CV, and supporting documentation is provided in the appendix. Primary evidence of quality mentoring of a graduate student derives from my supervision of Dr. Kimberly (Spurgeon) Pechman. Dr. Pechman began in my laboratory at the Medical College of Wisconsin and I became the Co-Chair of her committee when I moved to the IUSM. I was continuously involved in Dr. Pechman's progress during the period of 2005 until her graduation in 2007. Dr. Pechman is the first author on several published manuscripts related to the long term effects of acute renal failure, of which I am the senior author. Copies of these manuscripts are included in the appendix. She is currently a post-doctoral fellow in neurobiology and radiology at the Medical College of Wisconsin.

I have also had the pleasure of working with a large number of undergraduate students. A list of these trainees is provided in the C.V. In cases where undergraduate activity has been significant and successful, I have included these students as co-authors on manuscripts that include their work. I have indicated undergraduate involvement in research projects by highlighting their

name with a [U] in the publication list. Of note, Kelly Roethe (Marquette University) and Alisa Beal (IUPUI, in rank) have been listed as co-authors on publications (#13 and #34), while Ms Jasmina Spahic (IUPUI, in rank) is included on a manuscript in preparation (#36). In addition, Matthew Augustine (Valparaiso University), Christopher Lund (St. Norbert College) Jessica Friedrich (IUPUI, in rank), were included on abstracts presented at scientific meetings (Abstract #21, #23, #32).

4. Evidence of the nature and quality of course and curriculum development.

As listed in the CV, I am course director of 3 courses at IUSM. G735 was a new course that was developed to be part of the core curriculum of the graduate program in the Department of Cellular & Integrative Physiology as the IUSM graduate program moved to the IBMG program.

As a member of the Department Graduate Committee, I have worked with Dr. Johnathan Tune to lobby for an increased exposure to systems physiology course work in the curriculum at the Department level after the establishment of the IBMG program.

As part of this effort, Dr. Tune and I proposed the development of a graduate minor in cardiovascular sciences, which has recently been approved. The purpose of this minor was multi fold: 1) It offers students interested in cardiovascular biology, both inside and outside the Department of Cellular & Integrative Physiology, an opportunity to take a concentrated series of courses in their area of interest; 2) It will serve as a strong recruitment tool for potential graduate students and shine exposure on research opportunities at IUSM in this multidisciplinary area of interest, 3) It will provide a documented training program designed to improve the status of training grant applications targeting this area of research.

This minor required the development and approval of 2 new courses. One course is a journal club format course G831 entitled "Concepts and Controversies in Cardiovascular Science". I developed and wrote for approval of this course. The other course, G830 Advanced Cardiovascular Physiology, was designed and will be directed by Dr. Tune.

In support of these activities, I have included a copy of the course proposal for G831, a copy of the design for the proposed graduate minor in cardiovascular sciences. Dr. Michael Sturek, Chair of the Department of Cellular & Integrative Physiology, has solicited a letter from Dr. Simon Rhodes, Associate Dean of Graduate Studies, describing the implementation of this minor into the graduate program.

5. Number of graduate student committees served

As indicated in the CV, I have served on a number of graduate student dissertation committees. In addition to Dr. Pechman's committee, I have also served on the dissertation of committee of Dr. Holly Bauser and Dr. Matthew Di Stasi. I currently serve on the committees of two other students.

6. Information on teaching load

Since arriving at the IUSM, I have accepted every teaching opportunity that has been asked by my Chair. Between participating in X604 and G735, I participate in at least one course every semester, my teaching obligation seems appropriate for the nature of my position. With the addition of two new courses G831- (a new course offered annually), and F762 (Advanced Renal Physiology, offered biannually), my time commitment will increase accordingly.