May 31, 2015

Dear Awards Committee,

It is my honor and pleasure to nominate Lynn L. Moore, DSc for the Robert Dawson Evans Faculty Special Recognition Teaching Award. Dr. Moore is the Co-Director of the Graduate Program in Nutrition and Metabolism and Associate Professor of Medicine in the Section of Preventative Medicine and Epidemiology. Dr. Moore has been my partner in building the Nutrition and Metabolism graduate program, essentially from scratch, over the past 5 years. When I was asked by Dr. Coleman to take over this program (previously called ‘Medical Nutrition’ and based in Family Medicine, now renamed and based in DOM), I sought a colleague who would bring needed multidisciplinary expertise to complement my focus on basic science. Dr. Moore, whose research focuses on Nutritional Epidemiology, was recommended by a colleague. As we spoke, it became increasingly apparent that Lynn had the experience, expertise, enthusiasm and genuine interest in teaching graduate students that I sought. She had already had substantial course development and teaching experience in the medical school curriculum, and prior to that as a faculty member at Dartmouth School of Medicine. Over the past few years, Dr. Moore has far exceeded my initial high expectations by going above and beyond the call of duty to develop needed new courses, to support and motivate our graduate students to develop their intellectual and creative potential with highly disciplined critical thinking skills.

I have heard a number of lectures and seminars that Dr. Moore has delivered. These are consistently comprehensive, well-organized and thoughtful. She patiently describes and frames the research questions under discussion, and actively encourages student questions and participation. She is also always willing to provide additional guidance to struggling students and to give advice to students on the data analyses for their theses.

Dr. Moore, a well-funded and accomplished faculty member with a research program that addresses diet and health, was willing to dedicate substantial time and effort to creating and implementing two new courses in our program: Clinical Nutrition Research (NU620, 3 credits), Research Design and Statistical Methods for Biomedical Sciences (NU709, 2-3 credits). Both Master’s and Doctoral students are required to take these courses. For Clinical Nutrition Research, rather than providing the standard lecture format that chronicles the impact of various nutrients and over- or under-nutrition on disease risk and has exams that primarily require memorization, Dr. Moore’s approach is to teach through the analysis of primary research papers in a field. Students learn to define hypotheses, develop experimental designs, and interpret statistical data. For example, this year a
substantial part of the course focused on the controversial topic of sodium, blood pressure and cardiovascular risk. By delving deeply into the key papers in this and other fields, Dr. Moore not only provides basic knowledge of how diet may affects disease pathogenesis, but engages the students to think proactively and provides them with skills to analyze any paper in the NEJM. With this training, they are prepared actively engage in research as a member of a research team in academia and industry (Master’s students) or puts them on a path toward becoming an independent investigator (Doctoral students).

Dr. Moore and I also co-teach Nutrition and Metabolism Seminar (NU700, 2 credits), a labor-intensive course (for both students and faculty) in which students learn an important professional skill, how to give a research talk. As faculty for this course, we help students select a topic and 2 papers that must be integrated. Each presentation is critiqued to help the student develop a final (perfected) public presentation. Many students report that this course is the most valuable in our program, and its success depends on many hours of 1:1 teaching as each presentation. The students, half of whom focus on basic molecular or biochemical aspects of nutrition and metabolism, benefit from the complementary perspective that Dr. Moore brings to this class.

When we first started formulating the Nutrition and Metabolism Graduate program we merely required that students take a standard statistics course. Dr. Moore quickly realized that these did not prepare them to critique primary research papers. Thus she developed a course (NU709) that taught the basics of experimental design and biostatistics for our students. When the Program in Biomedical Sciences (PiBS) curriculum identified a need for its students to learn statistical analysis, Dr. Moore volunteered to expand her course to encompass additional topics to engage a range of student interests in basic science and molecular medicine. She taught and organized guest lectures when needed to discuss topics such as biostatistical issues in the interpretation of microarrays and the design of mouse and cell culture experiments. This course was first included as a required one in the PiBS curriculum this year (FC709) and the course evaluations, which I just reviewed, were excellent.

Today no student, including those that focus on basic nutrition and metabolism, graduates from our program without a thorough understanding and appreciation of the perils of bias and confounding in experimental design. They also gain respect for the analytical complexities involved. This integrative approach distinguishes our program and would not have been possible without Dr. Moore’s substantial efforts, and her sophisticated and in depth knowledge of nutrition, metabolism, and metabolic disease.

Mentoring is also an essential role for educators. Dr. Moore voluntarily took on the responsibility for mentoring what we call the ‘inherited ones’ – existing doctoral students from the Medical Nutrition Program who wished to work in nutritional epidemiology but did not have mentors or in many cases, had not taken comprehensive exams in a timely fashion, had significant gaps in their knowledge and more than the usual number of problems pursuing their graduate education and research. Dr. Moore has patiently mentored two of these students (Susan Chadid, Jabed Mustafa) who both had significant health issues to overcome. She has simultaneously mentored four ‘new students’ (i.e. students that we recruited to our revamped program). Ridda Hussain entered our program with a Master’s degree and with Dr. Moore’s guidance and time contraints due to a family illness in her family, graduated in 4 years. Her thesis defined and analyzed risk factors for sarcopenia in people with obesity in the Framingham cohort. Justin, who started our program as a Biochemistry major five years ago and switched interests to population science, is now finishing up his thesis, an analysis of dietary variables and blood pressure in adolescents and has already published two papers. He has two published first author papers in 2015, in JAMA Pediatrics and J. Hypertension. His own comments are in a letter appended to this one.
Dr. Moore recently took on the responsibility for mentoring two students who had unexpected problems with their initial research mentors: Melanie Mott and Sanae ElShourbagy are now on track with their theses. Dr. Moore was also instrumental in guiding other Doctoral and Master’s students by identifying mentors and projects as a committee mentor or chair (please see table below). Having served on a number of these committees myself, I can testify to the substantial effort, as well as very high standards, that Dr. Moore applies to these mentoring and teaching roles. Suffice it to say, that these efforts speak to Dr. Moore’s dedication to graduate education and her talent for guiding students with innate abilities to overcome obstacles and achieve their goals.

Successful educators also must be superb mentors, and Dr. Moore has a long track record of successful mentorship of M.D. Fellows, Residents, and students at BUSM, as indicated in the Table below. It is notable that virtually all of these former mentees have gone on to careers and academia or other research-related jobs.

<table>
<thead>
<tr>
<th>Past Mentees</th>
<th>Affiliation</th>
<th>Years</th>
<th>Current Position</th>
<th>Institutional Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uyen-Sa Nguyen, MPH trainee, Epidemiology &amp; Biostatistics</td>
<td>1990-1994</td>
<td>Assistant Professor</td>
<td>U Mass Medical School</td>
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<tr>
<td>Siu-Sun Yao, MD, Internal Medicine Resident</td>
<td>1992-1994</td>
<td>Attending MD; Assistant Professor, Clin Med</td>
<td>St Lukes, Roosevelt, NY; Columbia Univ. College of Physicians and Surgeons</td>
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<tr>
<td>Jaime L. Stern, MD, Internal Medicine Resident</td>
<td>1994</td>
<td>Clinical Associate Professor of Medicine</td>
<td>UPMC Montefiore Hospital Pittsburgh, PA</td>
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<tr>
<td>Quirino Orlandi, MD, Internal Medicine Resident</td>
<td>1994-1995</td>
<td>Cardiologist</td>
<td>Minneapolis Heart Institute</td>
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<tr>
<td>Steven Woolley, DSc, Pre-doctoral trainee, Epidemiology</td>
<td>1999</td>
<td>Senior Scientist</td>
<td>Institute of Living, Hartford Hospital, Hartford, CT</td>
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<tr>
<td>Augustino Visioni, MD, MPH trainee, Epidemiology</td>
<td>2001-2003</td>
<td>Neurosurgeon</td>
<td>Maryland Brain &amp; Spine, Annapolis, MD</td>
<td></td>
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<tr>
<td>Joshua Sharfstein, MD, Pediatrics Fellow</td>
<td>2001-2003</td>
<td>Associate Dean, Public Health Practice and Training</td>
<td>Johns Hopkins Bloomberg School of Public Health</td>
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<tr>
<td>Mahesh Maskey, MD, MPH trainee, Epidemiology</td>
<td>2001-2003</td>
<td>Nepali Ambassador to China</td>
<td>Government of Nepal</td>
<td></td>
</tr>
<tr>
<td>Mammadova, MD, MPH trainee, Epidemiology</td>
<td>2001-2002</td>
<td>Project Management Specialist</td>
<td>USAID</td>
<td></td>
</tr>
<tr>
<td>Lakshmi Kalagotla, MD, Pediatrics Fellow</td>
<td>2002-2003</td>
<td>Pediatrician</td>
<td>MGH Revere HealthCare Center</td>
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<tr>
<td>M. Mustafa Qureshi, MBBS, MPH trainee</td>
<td>2003-2004</td>
<td>Senior Postdoctoral Associate</td>
<td>Boston Medical Center</td>
<td></td>
</tr>
<tr>
<td>Linda Luong, MD, Preventive Medicine Fellow</td>
<td>2004-2005</td>
<td>Family Medicine Physician</td>
<td>Orchard Family Medicine, PC Winchester, VA</td>
<td></td>
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<tr>
<td>Jonathan Berz, MD, Preventive Medicine Resident/Internal Medicine Fellow</td>
<td>2007-2009</td>
<td>Internist; Assistant Professor Medicine</td>
<td>Boston Medical Center; BU School of Medicine</td>
<td></td>
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<tr>
<td>Erin Coglianese, MD, Cardiology Fellow</td>
<td>2007-2010</td>
<td>Assistant Professor Medical Director, Medical Cardiac Support</td>
<td>Loyola University Health System</td>
<td></td>
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<tr>
<td>Rida Hasnain, PhD, PhD Candidate, Nutrition and Metabolism (Primary Mentor)</td>
<td>2009-2014</td>
<td>Nutrition Consultant</td>
<td>Church and Dwight, Inc.</td>
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<tr>
<td>Sherman Bigornia, PhD, PhD trainee, Nutrition and Metabolism (Chair Thesis committee)</td>
<td>2008-2012</td>
<td>Postdoctoral Research Associate</td>
<td>NIH Center for Population Health &amp; Health Disparities, UMass Lowell</td>
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<tr>
<td>Jen-Pin Chuang, MD, Master’s trainee in Nutrition &amp; Metabolism</td>
<td>2011-2012</td>
<td>Superintendent, Ministry of Health</td>
<td>Tainan Hospital, Taiwan</td>
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<tr>
<td>Anyu Hu, Masters trainee, Nutrition &amp; Metabolism</td>
<td>2012-2014</td>
<td>Data analyst</td>
<td>Boston University School of Public Health</td>
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In addition to her work with the Nutrition and Metabolism Graduate program, Dr. Moore has
actively participated in curricular development and education efforts in the Medical School and the Division of Graduate Medical Sciences. A few key examples are listed below:

- **2011-present** Member, Curriculum committee for medical school electives, Medical Education Committee, BUSM
- **2011-2013** Chair, Biostatistics curriculum development committee, Program in Biomedical Sciences, Division Graduate Medical Sciences, BUSM
- **2011-2012** Member, Fundamentals in Biomedical Sciences II Curriculum Development Committee, Division of Graduate Medical Sciences, BUSM
- **1999-2009** Boston University Engineering/Medical Integrated Curriculum Admissions Committee
- **1999-2009** Boston University 7-Year Medical Education Program Admissions Committee

Dr. Moore also contributes a number of key committees in our program:

- **2012-present** Member, Curriculum Committee, Nutrition and Metabolism Graduate Program, Graduate Medical Sciences
- **2009-2015** Chair, Admissions Committee, Nutrition and Metabolism Graduate program, Graduate Medical Sciences, Boston University School of Medicine
- **2009-2011** Member, Curriculum Committee, Nutrition and Metabolism Graduate program, Graduate Medical Sciences, Boston University School of Medicine

In summary, Dr. Moore is a dedicated and highly effective educator in the DOM, GMS and BUSM. She has made and continues to make many innovative contributions to the education of M.D.’s and PhD trainees. As illustrated in the letter from one of her doctoral students, appended below, Dr. Moore’s extraordinary efforts are greatly appreciated by her students. Informal feedback from students in her courses is consistently positive, as are the formal evaluations. The students think that Dr. Moore has high standards and challenges them to work hard think critically, and is fair and consistent in her grading and feedback. I greatly value Lynn’s boundless energy and willingness to think about the needs to students and fellows, to volunteer to develop new courses that are needed to build our multi-disciplinary program from the ground up, and teach much more than her fair share (note: teaching is for no salary – only administrative efforts to our program are compensated) with creativity and an eye to the needs of the millennial generation.

Our Nutrition and Metabolism Master’s program is earning a good reputation and is attracting more faculty who work in clinical and epidemiological aspects of nutrition- and metabolism-related research, complementing our strengths in molecular and biochemical aspects of nutrition and metabolism. The translational medical researcher of the future will have to speak many languages and have flexible skills. Dr. Moore educational contributions facilitate this path within DOM and BUSM. Our new program now earns money and we look forward to further developing and enhancing this training program in the coming years, and provide paid teaching opportunities for DOM research faculty, a critically important opportunity as it becomes more and more difficult to survive on research grants to support salaries.

The Robert Dawson Evans Faculty Special Recognition Teaching Award ‘recognizes faculty members who make extraordinary contributions to the educational mission of our department over time’. Dr. Moore has a long and successful track record in this domain, exemplifying the qualities of leadership, commitment, creatively and academic service to advance the DOM’s mission to educate graduate students, medical students, and fellows over nearly 20 years. She truly deserves the recognition that will be afforded by this award.

Sincerely yours,
Susan K. Fried, Ph.D.
Professor of Medicine and Biochemistry
Director, Graduate Program in Nutrition and Metabolism, Graduate Medical Sciences
RE: Dr. Lynn L. Moore

Dear Awards Committee,

I am very pleased to be able to recommend Dr. Lynn Moore for the Robert Dawson Evans Faculty Special Recognition Teaching Award.

I first met Dr. Moore in 2010 when I began graduate school. She is the co-director of the Nutrition and Metabolism graduate program and has always been integrally involved with the program and all its students. I met her for the very first time as I was being interviewed by faculty for possible lab rotations in order to get started with my research. As a first year doctoral student without having any formal graduate research experience, I was quite anxious. Throughout the interview with Dr. Moore, I felt at ease and I knew that she was knowledgeable in her field, cared deeply about the future of the graduate program, and most of all, she went above and beyond to try and get to know me as an individual. I began my rotation in her research group and I’ve learned quite a lot. She offered guidance and reassured that someone with a predominantly basic science background can successfully transition into the entirely different world of nutrition epidemiology. She came up with creative ways to explain certain concepts that were foreign to me. She encouraged me to take classes offered on campus to strengthen my statistics and epidemiology foundations and to ask questions and stop by her office anytime I was stuck. Albeit her extremely busy schedule, she managed to find plenty of time to sit down and discuss my progress not only with my rotation but graduate student life in general.

I’ve learned throughout graduate school that the student-mentor relationship is delicate but quite a special one as well. There is a lot of stress for both the mentor and the student: mentors need to constantly ensure proper and timely progress of their mentees and concurrently apply for highly competitive and scare research funding. As a young investigator, tremendous pressures are placed on graduate students to meet and exceed expectations and be able to tackle their research projects independently as well as multitask other responsibilities such as: teaching, mentoring new graduate students, and actively volunteering to the graduate student community. I’ve been a teaching assistant for Dr. Moore’s classes since 2013 and it has been one of the most rewarding experiences I’ve ever had. Dr. Moore was tasked to create a class that teaches incoming first year graduate students the basic principles of research design and statistical methodology – no easy feat. Our unique program is a
gateway for students to choose any field they would like to perform their research in: from basic bench-
side laboratory science using cell and animal models to human clinical trials and observational
epidemiologic studies. Clearly, a research design and methodology class was needed. Dr. Moore could
have easily assigned me menial duties but she made sure I was integrally involved in the class creation
and the concepts that we wanted to teach within a condensed 10 week period. We knew it would take
long hours and lot of hard work and persistence. After this past spring semester, we have taught over 3
semester of the research design class and have expanded our class to be a part of all of the first year
curriculum for all of graduate students to take. We have received great feedback and Dr. Moore’s
dedication to quality student education and her innovation in creating a class that would cater to the
diverse graduate student community was the backbone to the success of the class. Amidst all of the
time that it took to create and implement a novel course, Dr. Moore was not only a constant source of
support and guidance but she made sure that my teaching responsibilities did not take time away from
my thesis and research progress.

Not only is Dr. Moore a strong presence as a teacher but she takes pride in being a great mentor as
well. She ensures that every student in the Nutrition and Metabolism graduate program has their needs
met and always makes time to meet with us one-on-one. Currently, she is the primary mentor for four
PhD students, in addition to being a part of thesis committees for two additional PhD candidates, and
has had many Masters students successfully complete and graduate under her tutelage. Having to get
to know four different student personalities, mentor them, and ensuring their academic growth and timely
progress is not an easy task. Dr. Moore finds a way to dedicate her time to all of us. She always
couraged and supported me to attend international conferences that she knows will help enhance my
graduate training and possibly help me find a career after graduate school. Even when funding is scarce,
that never deterred her from encouraging us to attend career development conferences.

Dr. Moore’s dedication, leadership, and love for her work is something I am lucky to see every day at the
office. Her positive attitude coupled with her work ethic makes her not only a superb scientist with an
excellent track record but also a caring and kind individual.

In summary, I highly recommend Dr. Moore for this award without hesitation and I know that she looks
forward to continuing the growth of our program and its students. Please contact me if you’d like further
information

With best regards,

Justin Buendia