

Yo, Walter I. Silva Ortiz, Decano Asociado y Presidente del Comité Graduado de Ciencias Biomédicas de la Escuela de Medicina de la Universidad de Puerto Rico, CERTIFICO QUE:

El Comité Graduado, en su reunión ordinaria del 4 de noviembre de 2009, y habiendo considerado las inquietudes y recomendaciones de la facultad y estudiantes graduados relacionadas a las disposiciones que se establecen en el documento titulado "Compact Between Biomedical Graduate Students and Their Research Advisors", acordó que:

Dicho documento:

- Tendrá efectividad inmediata.
- Se distribuirá a la facultad y estudiantes graduados activos en el Programa Graduado.
- Se continuará su distribución como uno de los reglamentos que se entregan a los estudiantes nuevo ingreso en las actividades de la Semana de Orientación cada año académico.
- Se mantendrán copias disponibles en el Decanato Asociado para referencia futura de los estudiantes y facultad.
- El Programa Graduado velará por que se cumplan las disposiciones allí establecidas.

Y PARA QUE ASÍ CONSTE, expido la presente Certificación, en San Juan, Puerto Rico, hoy 22 de enero de 2010.



Walter I. Silva Ortiz, Ph.D. Presidente



Compact Between Biomedical Graduate Students and Their Research Advisors

These guiding principles, known as the Compact Between Biomedical Graduate Students and Their Research Advisors, are intended to support the development of a positive mentoring relationship between the pre-doctoral student and their research advisors. A successful student-mentor relationship requires commitment from the student, mentor, graduate program, and institution. This document offers a set of broad guidelines which are meant to initiate discussions at the local and national levels about the student-mentor relationship.

Compact Between Biomedical Graduate Students and Their Research Advisors

Pre-doctoral training entails both formal education in a specific discipline and an apprenticeship in which the graduate student trains under the supervision of one for more investigators who are qualified to fulfill the responsibilities of a mentor. A positive mentoring relationship between the pre-doctoral student and the research advisor is a vital component of the student's preparation to become not only an independent and successful research scientist but also an effective mentor to future graduate students.

Individuals who pursue a biomedical graduate degree are expected to take responsibility for their own scientific and professional development. Faculty who advise students are expected to fulfill the responsibilities of a mentor, including the provision of scientific training, guidance, instruction in the responsible conduct of research and research ethics, and financial support. The faculty advisor also performs a critical function as a scientific role model for the graduate student.

Core Tenets of Pre-doctoral Training

Institutional Commitment

Institutions that train biomedical graduate students must be commitment to establishing and maintaining high-quality training programs with the highest scientific and ethical standards. Institutions should work to ensure that students who complete their programs are well-trained and possess the foundational skills and values that will allow them to mature into independent scientific professionals of integrity. Institutions should provide oversight for the length of study, program integrity, stipend levels, benefits, grievance procedures, and other matters relevant to the education of graduate students. Additionally, they should recognize and reward their graduate training faculty.



Program Commitment

Graduate programs should endeavor to establish graduate training programs that provide students with the skills necessary to function independently in a scientific setting by the time they graduate. Programs should strive to maintain scientifically relevant course offering and research opportunities. Programs should establish clear parameters for outcomes assessment and closely monitor the progress of graduate students during their course of study.

Quality Mentoring

Effective mentoring is crucial for graduate school trainees as they begin their scientific careers. Faculty mentors must commit to dedicating substantial time to graduate students to ensure their scientific professional and must commit to dedicating substantial time to graduate students to ensure their scientific, professional and personal development. A relationship of mutual trust and respect should be established between mentors and graduate students to foster healthy interactions and encourage individual growth. Effective mentoring should include teaching the scientific method, providing regular feedback in the form of praise and constructive criticism to foster individual growth, teaching the "ways" of the scientific enterprise, and promoting students' careers by providing appropriate opportunities. Additionally, good graduate school mentors should be careful listeners, actively promote and appreciate diversity, possess and consistently exemplify high ethical standards, recognize the contributions of students in publications and intellectual property, and have a strong record or research accomplishments and financial support.

Provide Skills Sets Counseling that Support a Broad Range of Career Choices

The institutions, training programs, and mentor should provide training relevant to academic, industrial, and research careers that will allow their graduate students to appreciate, discuss, and develop their career choices. Effective and regular career guidance activities should be provide, including exposure to academic and non-academic career options.

Commitments of Graduate Students

- I acknowledge that I have the primary responsibility for the successful completion
 of my degree. I will be committed to my graduate education and will demonstrate this by
 my efforts in the classroom and the research laboratory. I will maintain a high level of
 professionalism, self-motivation, engagement, scientific curiosity and ethical standards.
- I will meet regularly with my research advisor and provide him/her with updates on the progress and results of my activities and experiments.



- I will work with my research advisor to develop a thesis/dissertation project. This will include establishing a timeline for each phase of my work. I will strive to meet the established deadlines.
- I will work with my research advisor to select a thesis/dissertation committee. I will
 commit to meeting with this committee at least annually (or more frequently, according to
 program guidelines). I will be responsive to the advice of and constructive criticism from
 my committee.
- I will be knowledgeable of the policies and requirements of my graduate program, graduate school, and institution. I will commit to meeting these requirements, including teaching responsibilities.
- I will attend and participate in laboratory meetings, seminars and journal clubs that are part of my educational program.
- I will comply with all institutional policies, including academic program milestones. I will comply with both the letter and spirit of all institutional safe laboratory practices and animal-use and human-research policies at my institution.
- I will participate in my institution's Responsible Conduct in Research Compliance Program, and practice those guidelines in conducting my thesis/dissertation research.
- I will be a good lab citizen. I will agree to take part in shared laboratory responsibilities
 and will use laboratory resources carefully and frugally. I will maintain a safe and clean
 laboratory space. I will be respectful of, and work collegially with all laboratory personnel.
- I will maintain a detailed, organized, and accurate laboratory notebook. I am aware
 that my original notebooks and all tangible research data are the property of my
 institution but that I am able to take a copy of my notebooks with me after I complete my
 thesis/dissertation.
- I will discuss policies on work hours, sick leave and vacation with my research advisor. I will consult with my advisor and notify fellow lab members in advance of any planned absences.
- I will discuss policies on authorship and attendance at professional meetings with my research advisor. I will work with my advisor to submit all relevant research results that are ready for publication in a timely manner prior to my graduation.



 I acknowledge that it is primarily my responsibility to develop my career following the completion of my doctoral degree. I will seek guidance from my research advisor, career counseling services, thesis/dissertation committee, other mentors, and any other resources available for advice on career plans.

Commitments of Research Advisors

- I will be committed to the life-long mentoring of the graduate student. I will be committed to the education and training of the graduate student as a future member of the scientific community.
- I will be committed to the research project of the graduate student. I will be help to plan and direct the graduate student's project, set reasonable and attainable goals, and establish a timeline for completion of the project. I recognize the possibility of conflicts between the interests of externally funded research programs and those of the graduate student, and will not let these interfere with the student's pursuit of his/her thesis/dissertation research.
- I will be committed to meeting one-on-one with the student on a regular basic.
- I will be committed to providing financial resources for the graduated student through, the requirements and deadlines of his/her graduate program as well as those of the institution, including teaching requirements and human resources guidelines.
- I will help the graduate student select a thesis/dissertation committee. I will assure that this committee meets at least annually 9or more frequently, according to program guidelines0 to review the graduate student's program.
- I will expect the graduate student to share common laboratory responsibilities and utilize resources carefully and frugally.
- I will not require the graduate student to perform task that are unrelated to his/her training program and professional development.
- I will discuss authorship policies regarding papers with the graduate student. I will acknowledge the graduate student's scientific contributions to the work in my laboratory, and I will work with the graduate student to publish his/her work in a timely manner prior to the student's graduation.



- I will discuss intellectual policy issues with the student with regard to disclosure, patent rights and publishing research discoveries.
- I will encourage the graduate student to attend scientific/professional meetings and make an effort to secure and facilitate funding for such activities.
- I will provide career advice and assist in finding a position for the graduate student following his/her graduation. I will provide honest letters of recommendation for his/her next phase of professional development. I will also be accessible to give advice and feedback on career goals.
- I will provide for every graduate student under my supervision an environment that is intellectually stimulating, emotionally supportive, safe, and free of harassment.
- Throughout the graduate student's time in my laboratory, I will be supportive, equitable, accessible, encouraging, and respectful. I will foster the graduate student's professional confidence and encourage critical thinking, skepticism and creativity.

I hereby certify that both (the student and the advisor) read and discuss with each other the document above, and we are committed in benefit of the research and the developing of the student training in the Graduate Program.

Advisor's Name and Signature	Student's Name and Signature
Department	Program
Date	Date

Aprobado: Comité Graduado (4-nov-2009)