I. A. Vision, Mission and Goals

Executive Summary

The South Carolina College of Pharmacy (SCCP) was formed in 2004 to integrate the Colleges of Pharmacy at the University of South Carolina (USC) and the Medical University of South Carolina (MUSC). Integration promotes the most efficient use of state resources to advance pharmacy education and research and provide for the pharmaceutical care needs of South Carolina.

The South Carolina College of Pharmacy vision statement is: “Improving Health through Leadership and Innovation in Pharmacy Education, Research, and Patient Care.” The College has defined an aspiration vision to achieve quality of programs comparable to “TOP-10” colleges of pharmacy.

The SCCP is an education and research enterprise that makes the best use of state resources, student tuition, grant funds, and endowment funds to:

1. Educate pharmacy students to become leaders in meeting the pharmacy care needs of our citizens and the public we serve.
2. Conduct exceptional and innovative research to improve health care by discovering the molecular basis of disease, understanding the actions of drugs, developing new drugs, improving the safety and efficacy of drugs, guiding population-level drug policy, and enhancing pharmacy education.
3. Provide pharmacy services that serve as models to advance the practice of pharmacy and to improve health care.
4. Serve the life-long learning needs of practicing pharmacists through excellence in continuing education.
5. Educate future professional, academic, and research leaders through the highest quality graduate, residency, and fellowship programs.
Explanation of how Mission and Vision are linked. Short assessment of where unit stands with respect to achieving the Mission.

The vision speaks to the three components of an academic health science college – education, research, and patient care. Society has needs and expectations for pharmacy professionals and for pharmaceutical care. These needs dictate that one of the primary missions of the SCCP is the instruction of pharmacy students to produce new pharmacists. The SCCP is compelled to produce excellent pharmacists for society. We recognize that a profession must innovate and experiment to advance and improve. There is a need to continually improve health care and this is achieved through research, discovering new medicines, understanding diseases, and creating new models of health care. Finally, the health professions have their foundation in service to society. A health science college must provide service to maintain relevance and provide the best training environment for students.

Long-term goals for the South Carolina College of Pharmacy

1. Education
   a. Provide the highest quality professional pharmacy education by instilling requisite knowledge, competencies and values in graduates of the Doctor of Pharmacy program
   b. Achieve graduate level research training programs leading to a PhD that are qualitatively and quantitatively comparable to TOP-10 pharmacy colleges
   c. Offer residency and postdoctoral training programs that are recognized among the best in the country.
   d. Attract and enroll highly qualified, motivated students from diverse backgrounds in the College's education programs.
   e. Achieve greater than 90% satisfaction with the Doctor of Pharmacy program and the SCCP by students, faculty, alumni, and employers.

2. Research
   a. Increase the level of scholarship, particularly external research funding and the number of peer reviewed publications to be comparable with TOP-10 colleges of pharmacy
   b. Become recognized as a leader in discovering the molecular basis of disease, in the understanding of the actions of pharmaceutical agents, in developing new therapeutic agents, and in developing new vehicles for delivering drugs.
c. Become recognized nationally for pharmacoepidemiology, outcomes research, pharmacotherapeutics, pharmacy education research, and research advancing medication safety and the role of pharmacists in health care.

3. Outreach
   a. Improve the practice of pharmacy and thus patient care in community, health-system, and other pharmacy settings in South Carolina.
   b. Communicate effectively with internal and external stakeholders regarding pharmaceutical issues, SCCP goals, programs, and events.
   c. Develop donor and alumni programs to increase external support of SCCP education, research, and academic programs.
   d. Increase interaction with and support of state and national pharmacy organizations.

B. Goals, Initiatives, and Action Plans

1. Provide the highest quality professional pharmacy education by instilling requisite knowledge, competencies and values in graduates of the Doctor of Pharmacy program.

   This goal addresses the core mission of the SCCP, to produce pharmacists. The quality of education that students receive corresponds with the quality of health care that graduates will provide.

   o Initiative 1(a): Create a curriculum that offers the best instruction from faculty on the various SCCP campuses and is comparable to the curriculum of the best colleges of pharmacy.
     ▪ Action: Develop a process to facilitate faculty cooperation and collaboration in building and offering a joint PharmD curriculum.
     Indicators: Implementation of full 4-year joint curriculum.
     Assessment: The joint curriculum will be completed in May 2010 when the first SCCP class graduates.
     ▪ Action: Select or create a key performance measure that would indicate whether the SCCP curriculum is comparable in quality to the best colleges of pharmacy.
     Indicator: A new key performance measure is selected and tracked.
     Assessment: Pillar goals related to this goal include: student satisfaction with the PharmD program, and the number of students seeking a residency, fellowship, or graduate education,
Indicator: Annual NAPLEX pass rate greater than 95%
Assessment: The NAPLEX pass rate for SCCP will be determined in late 2010. It has been above 95% for previous graduating classes at USC and MUSC

Indicator: 4-year graduation rate 95% or greater
Assessment: Graduation rate for first SCCP class anticipated to be 96%.
Indicator: Average student evaluation score for all SCCP instructors (1-5 scale) should be ≥ 4.2
Assessment: 2009 average student score was 4.39
  - Action: Survey graduates and alumni at regular intervals after employment to determine satisfaction with the program.
  - Indicators: > 90% of graduates and alumni should indicate satisfaction with the SCCP program.
  - Assessment: 91% of graduating class indicated satisfaction with their program.

- Initiative 1(b): Implement a curriculum revision process for the PharmD program.
  - Action: Construct and implement a curriculum revision plan
  - Indicators: A comprehensive plan is written and communicated to faculty, staff, and students.
  - Assessment: A curriculum revision plan has not yet been written. It should be completed in Sprint 2010.

- Initiative 1(c): Develop and implement programs to enhance training in community pharmacy practice.
  - Action: Form a core group of 6 community pharmacy faculty members
  - Indicator: Number of faculty members practicing in community pharmacy.
  - Assessment: Three community faculty members were hired and 3 practice laboratory instructors.

  - Action: Create an elective track in community pharmacy practice
  - Indicator: Creation of a community pharmacy track
  - Assessment: A community pharmacy track was created and implemented

  - Action: Create a community pharmacy residency program.
  - Indicators: Establishment of a community pharmacy residency program.
  - Assessment: A community pharmacy residency was established with two residency positions.
o Initiative 1 (d): Establish a satellite campus for the Doctor of Pharmacy program at the Greenville Hospital System (GHS) University Medical Center to serve students in the Upstate.
  • Action: Create a plan for pharmacy education in the Upstate. Identify physical facilities and upstate instructional and support staffs as well as revenue needed to support the program.
  • Indicators: Creation of a master plan for the Upstate.
  • Assessment: A plan was created and distributed to involved parties. Physical facilities planning is now progressing with GHS staff.

  • Action: By fall 2010 offer the 3rd and 4th year of the PharmD program on the GHS campus.
  • Indicators: 3rd-year students are in Greenville for the 3rd year of the program in Fall 2010
  • Assessment: Due to delays in securing space this has been pushed back to August 2011.

  • Action: By 2012 offer the full 4-year program in Greenville. Secure additional funds to support this expansion.
  • Indicators: A plan is constructed to offer the full, 4-year program, including request for new resources.
  • Assessment: Due to delays in securing space this has been pushed back to August 2013.

2. Develop graduate level research training programs leading to a Ph.D. that are qualitatively and quantitatively comparable to TOP-10 pharmacy colleges

Graduate education and research are necessary parallel programs. The top colleges of pharmacy in the United States all have large, high quality graduate programs (60-120 students). Graduate programs create an environment for inquiry by attracting the best students and faculty members.

  o Initiative 2(a): Increase the size of the graduate program to 40 students in the short-term and 60 students in the next few years.
    • Action: Secure funding for 40 graduate students through research grants, external fellowship funds, and college and university funds (for both USC and MUSC campuses).
      • Increase the number of graduate faculty
      • Re-establish a top tiered outcomes research PhD program
      • Include graduate student funding in research grants
      • Participate in the Integrated Biomedical Sciences PhD program
      • Develop a dual Ph.D./Pharm.D. program
- Expand the joint PharmD/MBA program to the Columbia campus
  - Action: Develop a graduate student recruitment plan. Include supplementation of stipends for outstanding applicants.
  - Action: Solicit private gifts to establish endowment funds to support graduate education.
  - Action: Create a policy to incentivize faculty to recruit graduate students.
  - Indicators: By 2011 have 40 graduate students in the PhD program.
    Number of students in the dual-degree programs
  - Assessment: At present, there are 35 graduate students in the SCCP (both campuses). We have been recruiting new research faculty who can expand our graduate program.
    A dual PhD/PharmD program is now offered. The PharmD/MBA program is offered on the MUSC campus and is being created on the USC campus. Two students have entered the PharmD / MS Clinical Research program.

  - Initiative 2(b): Increase the quality of graduate programs in the SCCP.
    - Action: Conduct an internal assessment program to determine quality of graduate programs and provide recommendations for quality improvement.
    - Action: Conduct an external review of SCCP graduate programs
    - Action: Develop a comprehensive plan to improve graduate education.
    - Action: Revise the graduate curriculum to a more integrated approach, expanding opportunities for students on both campuses.
    - Action: Apply for graduate training grants
    - Indicators: Rating of graduate program by internal survey
      Rating of graduate program by external assessors
    - Assessment: Graduate program quality assessment has not yet been conducted.

3. Offer residency (in association with our health system and community partners) and postdoctoral training programs that are recognized among the best in the country.

Residency training is essential to produce high-quality pharmacy practitioners. There are residency programs in health-system pharmacy, community pharmacy, managed care pharmacy and other settings. Residencies produce general practitioners as well as specialists.
o Initiative 3(a): Increase the number of residency positions in South Carolina
  • Action: Promote the development of residency positions with selected health-systems in South Carolina. Identify faculty, administrative, and financial resources to support residency programs.
  • Action: Fund or co-fund community pharmacy residency programs.
  • Action: Develop partnerships with health systems and community pharmacies (independent and chain) to develop residencies.
  • Action: Conduct a state-wide residency planning conference to address major issues.
  Indicators: Number of community pharmacy and health-system residencies in South Carolina
  • Assessment: The SCCP actively participates in residency training at MUSC, VA Medical Center - Columbia, Palmetto -Richland, Greenville Hospital System, and with Kerr Drug. Formal affiliation with residency programs should be expanded. The College sponsors an academic preparation program for all residents. A state-wide residency planning conference has not been held.

o Initiative 3(b): Increase the quality of residency programs in South Carolina.
  • Action: Partner with residency programs to provide College expertise and resources. Provide an academic preparation program for residents throughout South Carolina.
  • Action: Participate in residency coordinating committees to assess and improve quality.
    • Appoint an SCCP Faculty member as Associate-Director of the MUSC Residency Program
    • Appoint an SCCP Faculty member as Coordinator / Liaison for Columbia-area residencies
  • Action: Assist residency programs in recruiting the best applicants and attain national presence.
  Indicators: Implementation and maintenance of the above programs.
  Assessment: An Associate-Director for MUSC and Columbia-area Liaison have been appointed. The SCCP offers a year-long Academic Preparation Program to all residency programs in the state. College faculty members assist in recruiting residents.

o Initiative 3(c): Increase the number of graduates who enter residency programs
  • Action: Develop and implement a plan to inform pharmacy students about residencies throughout their 4-year PharmD program.
  Indicators: Percent of PharmD graduates who go on to residency programs, fellowships, or graduate school
Assessment: A plan has been developed and implemented to increase student interest in residencies. Approximately 17% of graduates entered residency training, fellowships, or graduate school from the last graduating class. The number of graduates seeking a residency, fellowship, or graduate school should increase by 5% next year.

- **Initiative 3(d):** Increase the number of postdoctoral research trainees and the quality of the postdoctoral research training program
  - **Action:** Develop strategies that facilitate the professional development of postdoctoral research trainees.
  - **Action:** Develop and implement a plan for obtaining extramural funding for postdoctoral training.
  - **Indicators:** Increase in the number of postdoctoral research trainees and in the success of their transition to academic positions. Specific metrics have not yet been determined.
  - **Assessment:** The number of postdoctoral trainees and the quality of their training is determined by individual faculty. Increased research funding in the College has resulted in more postdoctoral research trainees being hired.

4. **Attract and enroll highly qualified, motivated and diverse students in the College’s education programs.**

The Doctor of Pharmacy program is a long and demanding course of study. Only the best students have a high likelihood of academic success. Pharmacists of the highest intellect and character are needed to effectively deal with the challenges of pharmacy practice of today. Students should be representative of the diversity in the State, as ethnic and cultural identity are linked to quality and access to care.

- **Initiative 4(a):** Develop a student recruitment program that attracts well prepared individuals who demonstrate patient empathy, professional attitudes and represent the racial and ethnic diversity of South Carolina.
  - **Action:** Implement the SCCP Diversity plan to achieve the long-term diversity goals.
  - **Action:** Develop and implement a revised student recruitment plan.
  - **Indicators:** Approval of a diversity plan with specific metrics for diversity goals.
  - **Assessment:** The SCCP faculty have approved a diversity plan and implemented a new recruitment plan. The total number of applicants to the college has increased this year. The last incoming class had 11% URM students compared with 7% the previous year. In the most recent survey, 92% of students indicated that the SCCP is welcoming to students with diverse backgrounds.
5. Achieve greater than 90% student, faculty, staff, alumni, and employer satisfaction with the doctor Doctor of Pharmacy program and the SCCP.

- Action: Create strategies to achieve a high satisfaction rate among students, faculty, alumni, and employers of our students.
- Action: Create or select instruments to measure student (graduating and enrolled), faculty, staff, alumni, and employer satisfaction.
- Indicators: Student and faculty satisfaction rates (goal above 90% for students and 75% for faculty)
- Assessment: Standardized surveys are used for faculty, students, and alumni. Surveys have been developed to measure student, faculty, and alumni satisfaction. Surveys are not yet developed for staff, and employer satisfaction. Graduating student satisfaction is 92% and for faculty is 71%.

6. Increase the level of scholarship, particularly external research funding and the number of peer reviewed publications to be comparable with TOP-10 colleges of pharmacy.

Growing and maintaining an active research program requires a consistent source of funds from external sources. Research is a primary mission of USC and MUSC, and the pharmaceutical sciences provide a path for unique research contributions of the SCCP.

- Initiative 6(a): Increase the number of peer reviewed publications authored by faculty members.
  - Action: Identify methods to increase faculty authorship of peer reviewed publications. Create a publication plan.
  - Indicators: Number of peer reviewed papers published during the calendar year. An external benchmark for TOP-10 colleges of pharmacy must be identified.
  - Assessment: In calendar year 2008 the faculty reported 87 peer-reviewed papers published. This will serve as a baseline for future years. External benchmarks are currently being sought. A draft publication plan has been written and it will be finalized this semester.
o Initiative 6(b): Secure increased external support for SCCP research programs from NIH and other competitive sources.
  - Action: Recruit and hire at least two more CoEE endowed chairs (Drug Discovery, Medication Safety, Experimental Cancer Therapeutics)
  - Action: Recruit and hire at least 4 junior faculty members in pharmaceutical and biomedical or outcome sciences who can successfully compete for extramural funding.
  - Action: Train practice faculty members to become more competitive for grants and to increase research funding.
  - Action: Develop strategies to recruit non-tenure track research faculty

Indicators: Number of CoEE chairs and junior faculty members recruited. Presence of a scholarship development program for practice faculty. Total NIH and other federal funding to increase to $6 million.

Assessment: Three CoEE chairs have been recruited and one has been hired. Six PBS faculty members have been hired this past year. The past fiscal year, NIH funding was $5.1 million. The Department of CPOS has implemented an active faculty development program.

7. Become recognized as a leader in discovering the molecular basis of disease, in the understanding the actions of pharmaceutical agents, in developing new therapeutic agents, and in developing new vehicles for delivering drugs.

  o Initiative 7(a): Hire and develop the best scientists who can succeed in a competitive research environment.
    - Action: Implement a faculty development program to assist existing faculty to become more successful in research.
    - Action: Secure extramural funds to support core research facilities and research assistant professor positions.

Indicators: A faculty development program is implemented.
Assessment: A faculty development program is in place and is working well. A comprehensive system will be updated yearly.
o Initiative 7(b): Develop and fully implement CoEE research centers to focus SCCP activity and resources. Develop strategic alliances for collaborative research with scientists and practitioners in other colleges and universities.
  • Action: Create a comprehensive plan to develop and implement research centers supported through HSSC and CoEE.
  • Action: Create a CoEE / HSSC approved Center for Medication Safety
  Indicators: Number and types of centers approved by HSSC and CoEE
  Assessment: To date the approved centers are: Drug Discovery and Medication Safety and Efficacy. The College should plan for future centers.

o Initiative 7(c): SCCP research is guided by strategic planning to identify opportunities and use resources most effectively.
  • Action: Develop a comprehensive research plan to focus efforts, faculty hiring, and strategic collaborations.
  Indicators: Three-year plan in place
  Assessment: A plan was developed in 2006 and continues to be updated.

8. Become recognized nationally for pharmacoepidemiology, outcomes research, pharmaco therapeutics, pharmacy education research, and research advancing the role of pharmacists in health care.

The SCCP has a unique opportunity to contribute to applied research through population-based work that addresses epidemiology and economics, as well as to study new disease treatment or preventive approaches, and study pharmacists roles in the health care system. Some of this research is necessary to test the research products from basic pharmaceutical sciences. Research related to pharmacy education is necessary to continually improve instruction.

o Initiative 8(a): Hire the best faculty who can succeed in a clinical or translational research environment.
  • Action: Create a faculty recruitment plan to identify the types of faculty needed and methods to attract them.
  Indicators: Number of faculty hired in these areas.
  Assessment: A faculty member in outcome sciences was hired this year and an additional faculty member is being recruited to GHS. A CoEE chair in medication safety and efficacy has been recruited and an additional junior faculty position in this area has been approved.
o Initiative 8(b): Provide excellent support to SCCP faculty to develop expertise in the research areas above.
  - Action: Implement a faculty development plan to promote practice faculty involvement in clinical and translational research, and education research. This includes assessment of faculty and design of individual development plans.
  Indicators: An up-to-date faculty development plan should be in place.
  Assessment: The Department of CPOS has created individual development plans as a departmental approach to increasing scholarship. A series of development seminars are offered to faculty.

9. Improve the practice of pharmacy and thus patient care in community, health-system, and other pharmacy settings in South Carolina.

The ultimate goal of a college of pharmacy is to improve the health of citizens. Improvements in the practice of pharmacy developed by SCCP faculty members will result in better educational programs and eventually improve the health of citizens through our graduates.

o Initiative 9(a): Develop programs to advance the practice of pharmacy in health-system and community pharmacies.
  - Action: Create and implement a plan to enhance the education of pharmacy students in health systems to meet the current and future needs. Develop a curricular track in advanced health-systems based pharmacy practice.
  - Action: Create and implement a plan to enhance the education of pharmacy students in community pharmacies to meet the current and future health care needs. Develop a curricular track in advanced community pharmacy practice.
  Indicators: Advanced clinical tracks for health-system and community pharmacy should be developed.
  Assessment: Curricular tracks have been developed and approved for pre-residency (health-system pharmacy emphasis) and community pharmacy. A nuclear curricular track is already in place. These should be expanded and refined in the next year.
○ Initiative 9(b): Develop partnerships with external institutions to expand experiential program and faculty practice opportunities.
  ▪ Action: Establish partnerships with health-system organizations to co-fund faculty and expand experiential and practice opportunities.
  ▪ Indicators: Number of new partnerships established, the goal is two this year.
  ▪ Assessment: A new partnership was established this year with Roper-St. Francis to co-fund a faculty member. We are negotiating with two other institutions to create similar partnerships.

○ Initiative 9(c): Develop postgraduate education programs to foster continuing professional development of pharmacists in the state, using latest ACPE guidelines and other national standards.
  ▪ Action: Develop a continuing professional development model for pharmacists in the state.
  ▪ Indicators: Number of certificate programs offered
  ▪ Number of CEUs provided per year
  ▪ Number of pharmacists participating in College continuing education
  ▪ Assessment: A plan for continuing education activities has been developed. The current CE program is active and ACPE accredited. This past year the CE program went online for for effective program marketing and processing.

10. Communicate effectively with internal and external stakeholders regarding pharmaceutical issues, SCCP goals, programs, and events.

Communication is essential for the SCCP to achieve its goals. Communication to students, faculty, staff, the University community, alumni, government officials, and state citizens is mandatory to assure that key stakeholders are well informed about the SCCP mission and provide support for the mission.

○ Initiative 10(a): All internal stakeholders will be fully informed about the SCCP.
  ▪ Action: Create an effective communication plan for students, faculty, and staff.
  ▪ Action: Produce and deliver distinct newsletters/Web presence to inform internal constituents about the SCCP
  ▪ Indicators: >75% of faculty and staff indicate by survey that they are adequately informed about the SCCP
Assessment: A communications plan has been created and implemented. The College produces a monthly faculty / staff newsletter, alumni magazines, a College magazine and offers monthly town hall meetings, and multiple retreats.

- Initiative 10(b): External stakeholders will be fully informed about the SCCP.
  - Action: Create and implement an effective communication plan for external stakeholders.
  - Action: Produce newsletters, magazines, media packets, articles, op/ed pieces, and online materials for alumni, professionals, speakers forum, other academic institutions, general public.
  - Action: Participate in “live” professional programs to disseminate information to all stakeholders across the state of SC.
  - Action: Invite stakeholders to College sponsored activities (homecoming, white coat ceremony, convocation, etc) for face to face conversations.

Indicators: >75% of external stakeholders indicate by survey they are adequately informed about the SCCP.

Assessment: A communications plan has been created and implemented. Multiple modes are routinely used to communicate with external stakeholders, including our web site, newsletters, receptions at major meetings, attendance at state meetings, luncheons with alumni and other alumni visits.

11. Develop donor and alumni programs to increase external support of SCCP education, research, and academic programs.

- Initiative 11(a): Secure increased private philanthropy through major, planned and annual gifts from individuals, corporations and foundations.
  - Action: Create an annual development plan that outlines specific dollar goals, priorities/projects, and tactics.

Indicators: Reach dollar goals and other metrics set forth in annual plan, with a long term objective of increasing giving by approximately 10% each year. The number of new donors should increase by 5% this year.

Assessment: Total gifts to the SCCP in FY08 were $1,442,604, $592,187 in FY 09. A new Director of Development, Susan Ward, was hired for the USC campus.
12. Ensure a high degree of interaction with and support of state and national pharmacy organizations.

- Initiative 12 (a): Promote the SCCP and the profession of pharmacy ensuring significant interaction between SCCP administration, faculty, and students with state and national pharmacy organizations.
  - Action: Assess current level of participation of faculty in pharmacy organizations.
  - Indicators: Number of faculty, administrators and students who are members, provide service (committee membership), or hold elected office in pharmacy organizations at state and national levels.
  - Action: Encourage faculty and student participation in state and national organizations as necessary.
  - Indicators: Greater than 75% of practice faculty are members of pharmacy organizations at state or national levels; at least 40% are engaged in service or leadership activities.
  - Assessment: > 75% of practice faculty are members of professional organizations.
II. Funding

Potential sources of new revenue:

- BOT approved tuition increases for the South Carolina College of Pharmacy which may exceed USC undergraduate tuition rates.

- Increases in sponsored research funding due to addition/maturation of endowed chair(s), senior and junior faculty, post docs, etc.

- Philanthropic contributions from alumni, friends, corporations, foundations due to development activities.

- New and expansion of clinical service contracts with health care organizations (Palmetto Health Richland, Veterans Administration, South Carolina Health and Human Services, Community Pharmacies, etc.).

- Clinical Pharmacy and Outcome Sciences increases in sponsored research funding resulting from faculty development and research incentive plan.

- Newly proposed Bachelor of Science undergraduate degree program in pre-pharmacy studies.

- Develop and offer pharmacy course to undergraduate students.

- College owned and operated retail pharmacy (student health center vs existing community pharmacy vs establishing a new pharmacy in Innovista)

- Marketing college produced educational materials to other colleges of pharmacy and international academic institutions.
III. Resource Requirements

A. Education

- Remodel and update classrooms with improved design for state of the art instruction and learning.
- Improve and update distance education technology.
- Increase available small and medium classroom space to support pedagogy.
- Remodel/renovate 4th floor (CLS) to include all practice labs (community, hospital, compounding, assessment)

B. Research

- Build core equipment to support and achieve goals of the college.
- Remodel/renovate research labs

C. Other

- Improve and update technology infrastructure (wireless computing, network hardware and software, etc).
- Remodel Dean’s Suite/Large Conference Room to improve space utilization and consolidate administrative personnel.
- Build a production room for recorded course/professional materials with instructional design support area.
### IV. Unit Statistical Profile

#### A. Instructional

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<td>Professional (Pharm.D.)¹</td>
<td>221 / 171</td>
<td>104 / 273</td>
<td>0 / 389</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral (Ph.D.)</td>
<td>9</td>
<td>8</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. of graduates</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program</td>
<td>Masters</td>
<td>Professional (Pharm.D.)</td>
<td>Doctoral (Ph.D.)</td>
<td>Graduation rates (undergraduate)</td>
<td>Total credit hours</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------</td>
<td>-------------------------</td>
<td>------------------</td>
<td>----------------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>na</td>
<td>na</td>
<td>na</td>
<td>1633 / 5630</td>
</tr>
</tbody>
</table>

Total credit hours

<table>
<thead>
<tr>
<th>Program</th>
<th>Pharmaceutical and Biomedical Sciences</th>
<th>Clinical Pharmacy and Outcome Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Faculty by title (2009)</td>
<td>T/TT</td>
<td>T/TT</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td>Professor</td>
<td>0</td>
<td>2</td>
</tr>
</tbody>
</table>

USC / SCCP
B. Research and Creative Accomplishments

<table>
<thead>
<tr>
<th></th>
<th>Pharmaceutical and Biomedical Sciences (PBS)</th>
<th>Clinical Pharmacy and Outcome Sciences (LPIUS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of publications 2009</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(calendar year)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Books</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Book Chapters</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Refereed Articles</td>
<td>29</td>
<td>11</td>
</tr>
<tr>
<td>Non-Refereed Articles</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>No. research papers presented at national/international meetings 2009</td>
<td>24</td>
<td>42</td>
</tr>
<tr>
<td>No. performances/juried exhibitions at national/international venues 2009</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Sponsored research activity grant applications (identify sponsoring agency)

- Submitted
  - NIH, 28
  - State and Local, 7
  - Federal not NIH, 3
  - Private, 3

- Awarded
  - NIH, 6
  - State and Local, 4
  - Private, 1

Total extramural funding 2009 (processed thru SAM)
- NIH, $1,030,822
- State and Local, 1,459,103

Federal extramural funding 2009 (processed thru SAM)
- NIH, $851,822
- State and Local, 17,908
<table>
<thead>
<tr>
<th>Total research expenditures 2009</th>
<th>Tenured/Tenure Track</th>
<th>Tenured/Tenure Track</th>
<th>Non-Tenure Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>(per tenured/TT faculty by rank)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>$157,534 (n=5)</td>
<td>$0 (n=1)</td>
<td>$53,142 (n=11)</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>$53,326 (n=6)</td>
<td>$0 (n=1)</td>
<td>$42,112 (n=11)</td>
</tr>
<tr>
<td>Professor</td>
<td>$0 (n=0)</td>
<td>$2,557 (n=2)</td>
<td>$0 (n=0)</td>
</tr>
</tbody>
</table>

| Sponsored research funding 2009 |                      |                      |                  |
| (per faculty member, list type of funding) |                      |                      |                  |
|                                  | $106,831 (NIH)       |                      | $109,508         |
|                                  | $4,800 (state/local) | $0                   |                  |
|                                  | $16,000 (private)    |                      |                  |
| Assistant Professor              |                      |                      |                  |
|                                  | $17,445 (NIH)        | $0                   | $67,500          |
|                                  | $12,500 (private)    |                      |                  |
| Associate Professor              |                      |                      |                  |
|                                  | $0                   | $5,000               |                  |
| Professor                        |                      |                      |                  |
|                                  |                      |                      |                  |

| % of faculty with sponsored research |                      |                      |                  |
|                                      | 40% (NIH)            | 100%                 | 33%              |
|                                      | 20% (state/local)    |                      |                  |
|                                      | 20% (state/local)    |                      |                  |
| Assistant professor                 |                      |                      |                  |
| Associate Professor                 | 67% (NIH)            | 0%                   | 100%             |
|                                      | 17% (private)        |                      |                  |
| Professor                           | 0%                   | 50%                  | 0%               |

| No. faculty as co-investigators in cross unit grant applications | 6 | 3 |
| No. faculty cross-appointed in centers/institutes | 0 | 2 |
| No. patents, disclosures, licensing agreements 2009 | 2 | 0 |
| No. proposals for external funding 2009 (type) | see sponsored research activity | 14 |
C. Faculty Hiring  (USC Campus only)

Number of full-time faculty hired for AY 2009-2010 (FTE)
   Dept of Pharmaceutical and Biomedical Sciences - 3 (Assistant Professors-TT)
   Dept. of Clinical Pharmacy and Outcome Sciences - 1 (Assistant Professor-NTT)

Number of post-doctoral scholars hired FY 2008-2009 – 11

Anticipated losses and hiring of faculty over next 5 years (reasons)

   Anticipated Losses
   FY2010 – 1 - (tenure period ends)
   FY2011 – (0)
   FY2012 – (0)
   FY2013 - (0)
   FY2014 - (0)

   Planned Hiring
   FY2010  1-CoEE Chair, 4-NTT Faculty (Clinical)
   FY2011  1-FEI, 1-TT faculty
   FY2012
   FY2013
   FY2014

Number of FEI hires AY 2008-2009 - (0)

Number of CoEE chair hires AY 2008-2009 - (0)
D. Funding Sources

1. All-funds budget as of October 31, 2009
   See Attached

2. Gifts and Pledges received in FY 2009
   $570,853.92