Office of Graduate Scholars

- SoM Associate Dean of Graduate Scholars
  - Robert J. Pauley, Ph.D. rpauley@med.wayne.edu
- www.med.wayne.edu
  - Follow the link to the Graduate Programs page
- Email us: gradprog@med.wayne.edu

- By Phone: 313-577-1455

- By Mail:
  Office of Graduate Scholars
  Suite 1128
  Wayne State University School of Medicine
  540 E. Canfield Ave.
  Detroit, MI 48201
Wayne State University

- Carnegie Foundation (’10) rank: “RU/VH: Research University – Very High Research Activity”
  - CompDoc/Med: Comprehensive doctoral with medical.

- NSF (FY 2008) rank: #75 for total Research & Development funding.
  - SoM research funding is over $135 million annually
PhD (11):
- Anatomy and Cell Biology
  - Department of
- Biochemistry and Molecular Biology
  - Department of
- Cancer Biology
  - Cancer Biology Graduate Program of Dept of Oncology
- Immunology and Microbiology
  - Department of
- Medical Physics
  - Departments of Radiation Oncology & Radiology
- Molecular & Cellular Toxicology
  - Institute of Environmental Health Sciences
- Molecular Biology & Genetics
  - Center for Molecular Medicine & Human Genetics
- Pathology
  - Department of
- Pharmacology
  - Department of
- Physiology
  - Department of
- Translational Neuroscience
  - Department of Psychiatry & Behavioral Neuroscience
MD/PhD “Program”:
• 2004 to date; ≈ 4/yr; 26 currently.
• 7-8 years to complete program, awarded dual MD/PhD.
• Integrated Program:
  • Encompasses basic science training, translational research, and state-of-the-art clinical medicine.
  • Temporarily integrated:
    • M1, M2.
    • G1, G2, G3.
    • M3, M4.
  • Physically integrated; e.g. Research rotation summer of prior to M1 August start, between M1 and M2, etc.
• PhD in discipline of dissertation program, listed above.
MS (6):

- Master in Public Health
  - Department of Family Medicine & Public Health
- Genetic Counseling
  - Center for Molecular Medicine & Human Genetics
- Radiologic Physics
  - Departments of Radiation Oncology & Radiology
- Psychiatry
  - Department Psychiatry & Behavioral Neuroscience
- Biomedical Sciences
  - SoM Office of Graduate Scholars
- Medical Research
  - SoM Office of Graduate Scholars
SoM Graduate Training Programs

- Applicants: 599 total; 366 Masters-track, 212 PhD track (Excludes MBG & MCT)

- Approximately 385 enrolled graduate students.

- ‘09-’10 PhDs Awarded (Excludes MBG & MCT)
  - 26 (13 US; 13 Foreign; Mean time to degree 4 yr, 3mo)

- ‘10-’11 New PhD Students (With MBG & MCT)
  - 40; 35 with WSU & SoM support
WSU PhD Degree Requirements

• Credits required:
  • 60 course (e.g. lectures, seminars, journal clubs, & research rotations, pre-dissertation research, etc.) credits
  • 30 dissertation research credits

• Plan of Work; Courses & terms.
• Qualifying Examinations.

• Dissertation Research:
  – Choose a Dissertation Mentor; ideally by end 1st yr.
  – Dissertation Prospectus/Proposal; ideally by end 2nd yr.
  – Dissertation Research.
  – Dissertation Defense/Public Lecture; ‘03’04-date mean 4 years 9 months to SoM PhD degree.
WSU PhD Student Support

• WSU & Graduate School:
  – To SoM, limited to newly matriculating PhD students, Competitive (IBS) Graduate Research Assistantships (≈ 21/yr).
  – To SoM to Dept/Prog GRAs (≈ 10/yr)
  – To SoM for ongoing PhD students: Rumble Fellowships (limited to 2nd year) (≈ 6/yr).
  – Competitive Fellowships to individual newly matriculating PhD students (5 matriculated in 2010):
    • University Graduate Research Fellowships (3).
    • Dean’s Diversity Fellowships (2).
  – Competitive GRAs to individual faculty (≈ 6/yr).
  – Provide:
    • Stipends: SoM supplements to $20,787/yr.
    • Tuition (≈ 22/yr); Subsidized Health Care (total ≈ $39,000).
SoM Competitive Graduate Research Assistantships

– Limited to newly matriculating PhD students.

– Limited student empowerment
  • SoM commitment is to individual student.

– GRAs to new 2010 PhD students: SoM support commitment, pre-requisite satisfactory academic progress, is for 3, no more than 4, years:
  • 100% for years 1 & 2, +
  • 50% for year 3.
Co-Curricular Activities

• Graduate Student Research Day
  – 2010, September 23, about 70 presentations, awards poster and platform presentations, external speaker.

• SoM newly matriculating PhD student curriculum: IBS/Interdisciplinary Biomedical Science curriculum; 14 credits.
Career Placement

Over 385 PhD Graduates since 1998

- >85% go on to postdoctoral positions in:
  - Universities
  - Government (NIH)
  - Industry/Biotech

- Remainder continue at professional schools (medicine, law) or go directly into non-research teaching jobs

- >20% hold faculty positions
MD/PhD Program

Program Mission:

- Attract the best and brightest
- Provide outstanding physician-scientist training
- Progress to a NIH funded MSTP training grant; 2011 graduation will have 1st of “programs” students graduate.
- Seed local and national residency and fellowship programs with our graduates
- Attract fully trained graduates back to our faculty
MD/PhD Program

Fall 2008

- 65 applicants
- 17 interviews
- 4 offers
- 3 acceptances
  - 1 female, 2 male
  - GPA range: 3.6 – 3.9
  - MCAT range: 11.0 – 12.0
MD/PhD Support

• Annual stipend (SoM supplements to): $27,500 (for 2010/2011)

• Four medical tuition scholarships each year ($\geq 100,000$)

• Graduate years:
  – First:
    • GRA (with graduate tuition + insurances) with partial graduate tuition.
    • Fellowship writing course with dissertation mentor, and December submission.
  – Second and subsequent; About 70% have gained external funding relieving mentor of support obligation, e.g.:
    • Fellowships: NIH F30, AHA, etc.
    • Training grants: NIH.
WSU Graduate School: Graduate Faculty Appointments

• Regular (full) Graduate Faculty: Criteria for appointment.
  – PhD (or equivalent terminal) degree in field/discipline
  – Full or fractional WSU appointment in the degree granting department.
  – Documented (CV) peer-reviewed scholarly achievement within last four years (publications, competitive external funding).
  – For renewal, evidence required of involvement in graduate education within last five years (graduate teaching, dissertation and/or thesis committees)

• Regular Graduate Faculty: Appointment qualifies for:
  – Dissertation Mentor & Chair of Dissertation Committee of a PhD student/candidate.
  – Dissertation Committee membership.
  – MS thesis advisor.
  – MS thesis committee membership.
WSU Graduate School: Graduate Faculty Appointments

• **Associate & Adjunct Graduate Faculty**
  – PhD (or equivalent terminal) degree in field/discipline
  – Associate: University appointment in degree awarding unit.
  – Adjunct: No contractual appointment in degree awarding unit.
  – Evidence of research and scholarly achievement suitable for serving as a dissertation or thesis committee member.

• **Associate Graduate Faculty:** Qualifies for:
  – Dissertation Committee, excluding Chair/Mentor, membership.
  – Thesis Committee, including Chair/Advisor, membership.

• **Adjunct Graduate Faculty:** Qualifies for:
  – Dissertation Committee, excluding Chair/Mentor, membership.
  – Thesis Committee, limited to Co-Chair/Co-Advisor, membership.
Office of Graduate and Postdoctoral Scholars

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