

SoM Office of Graduate & Post-Doctoral Scholars

Associate Dean for Graduate Scholars R. J. Pauley, PhD (4/1/2009)
Assistant Dean for Combined Degree & Postdoctoral Scholars A. Mathur, PhD
Staff: D. Casebolt, B. Cannon & D. Dona

SoM PhD-granting Departments & Programs:

Anatomy & Cell Biology, Department of
Biochemistry & Molecular Biology, Department of
Cancer Biology, Graduate Program in
Immunology & Microbiology, Department of
Medical Physics, Graduate Program in; within the Departments of Radiology and of Radiation Oncology
Pathology, Department of
Pharmacology, Department of
Physiology, Department of
Translational Neuroscience, Graduate Program in; within the Dept Psychiatry & Behavioral Neuroscience

Graduate School's PhD-granting Programs associated with OG&PDS:

Molecular Biology & Genetics, Program in; within the Center for Molecular Medicine & Genetics
 Bioinformatics & Computational Biology, Concentration in
Molecular & Cellular Toxicology, Program in; within the Institute of Environmental Health Sciences

SoM Dual degree-granting Programs:

MD/PhD

Proposed MD/MPH; SoM Faculty Senate approved, in progress @ WSU.

SoM MS-granting Department & Programs, ADMISSION to:

Basic Medical Sciences, Graduate Program in
Biochemistry & Molecular Biology, within Department of
Genetic Counseling, Graduate Program in; within the Center for Molecular Medicine & Genetics
Medical Research, Graduate Program in
Physiology, within Department of Physiology
Psychiatry, within Department of Psychiatry & Behavioral Neuroscience
Public Health, within Department of Family Medicine & Public Health
 Public Health Practice, Concentration in
 Occupational & Environmental Health, Concentration in
Radiological Physics, Graduate Program in; within Departments of Radiology & Radiation Oncology.

SoM Graduate Certificate-granting Programs:

Clinical & Translational Science, for dual MD/PhD students

Global Pediatric Health

Public Health Practice, within Department of Family Medicine & Public Health

Rehabilitation Sciences Administration, within Department of Physical Medicine & Rehabilitation

Graduate School's Graduate Certificate-granting Programs associated with OG&PDS:

Alcohol & Drug Abuse Studies

Graduate School suspended '09'10 admissions; under Provost evaluation.

Graduate Affairs Committee, 2009/2010

Committee Members (New in bold)	Department/Program	e-mail
Robert J. Pauley, PhD, Chair	Associate Dean- Graduate Programs	rpauley@med.wayne.edu
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James Rillema, Ph.D.	Physiology	jrillema@med.wayne.edu
Mark Greenwald, Ph.D.	Psychiatry & Behav Neurosci	mgreen@med.wayne.edu
Richard Balon, M.D.	Psychiatry	rbalon@wayne.edu

2008 (Sept 2) to 2009 (Sept 7) SoM Degrees Awarded

- 1) Total = 102, including Graduate School's ADAS, MBG & MCT.**
- 2) Masters = 61 (41 female, 20 male)**
 - a) By Dept/Prog:
 - i) ACB = 1, BMB = 1, BMS = 30, GC = 6, MBG = 1, MCT = 1, MDR = 1, MPH = 8,
PSL = 1, RadPhy = 11.
- 3) Certificates = 11 (9 female, 2 male)**
 - a) By Dept/Prog:
 - i) ADAS = 1, CTS = 1, GPH = 7, PHP = 2.
- 4) Doctoral = 30 (17 female, 13 male). Dual MD/PhD graduate are jointly awarded degrees, and therefore 2 years beyond successful dissertation defense so none yet.**
 - a) By Dept/Prog:
 - i) ACB = 1, BMB = 4, CB = 6, IMM = 2, MBG = 3, MCT = 3, Med Phys = 2, PTH = 2,
PHC = 2, PSL = 3.
 - b) By years (Average over 12 years = 30, range 22 to 42):
 - i) '07'08 = 26.
 - ii) '06'07 = 26.
 - iii) '05'05 = 26.
 - iv) '04'05 = 25.
 - v) '03'04 = 36.
 - vi) '02'03 = 29.
 - vii) '01'02 = 22.
 - viii) '00'01 = 42.
 - ix) '99'00 = 30.
 - x) '08'99 = 33.
 - xi) '97'98 = 29.

2009 Fall SoM Total Graduate Student Population

- 1) # = 364 total: 167 PhD-track + 197 Masters & Graduate Certificate-track.**

NEW 2009/2010 PhD-track Applicants & Matriculants

- 1) Graduate School Admissions reported (Aug 31, 2009) 229 applicants (excluded MBG & MCT; included Medical Physics/PhD-track).**
 - a) RJP (Sept 8 based upon STARS) = 260 applicants including MBG & MCT (excludes applications by any one individual to more than one D/P).

- 2) OG&PDS coordinates, through IBS Stipend competition, award to new PhD students of GRAs allocated from Graduate School to SoM.**
 - a) Source of majority of support for new PhD-track students.
 - b) Each student/candidate awarded a GRA is provided in the GRA:
 - i) Living allowance \approx \$16,586.
 - (1) **Requires SoM supplement each by \$3,803 for a \$20,389 ('09'10) living allowance.**
 - (a) Increasing to a nationally competitive \approx \$25,000 annual living allowance is contingent upon significant additional supplementation to Graduate School GRA base.
 - ii) Insurances \approx \$4,002 (WSU specified value of insurances).
 - iii) Tuition+fees \approx \$11,259 (for 10 cr fall, 10 cr winter, and 2 cr spring/summer terms).
 - (1) Total value \approx \$35,650.
 - (2) Commitment: 100% G1 & G2, 50% G3 & G4, conditional upon satisfactory academic progress.
 - c) IBS Stipend competition: Summary by total and (US citizens/permanent residents; Foreign).
 - i) Reviewed = 54 (30 ; 24), or 20.8% of 260.
 - ii) Interviewed = 45 (27 ; 18), or 17.3% of 260..
 - iii) Awards = 35 (22 ; 13), or 13.5% of 260.
 - (1) GPA (mean) 3.52 ; 3.60.
 - (2) GRE (mean) 58% ; 60%.
 - (3) Score (mean) 72.9% ; 75.9%.
 - iv) Accepted & Matriculated = 20 (15 ; 5); 2 additional gained GS-DDF or IMSD support; 7.7% of 260.

 - 3) OG&PDS funds English Language Institute:** August 2009. For new foreign students who have WSU Graduate School ToEFL requirement because not degreed in an English language speaking country. For example, prior degree in India, China, etc do not, but Canada does, waive ToEFL test requirement. ELI administered SPEAK test result may waive ELI course requirement. ELI course instructors engage students in English oral/discussion, classroom simulations, and written communication.

 - 4) OG&PDS coordinates new PhD student Orientation (Aug 31 & Sept 1, 2009).** Presentations in:
 - a) Ethics in Classroom & Science (Walz)
 - b) HIPAA (Risk); Human & Animal Investigations (Nelson & Monson)
 - c) Safety-Lab & Pathogens (Fracassa)
 - d) Survival Skills and IBS curriculum (Terlecky).

5) New MATRICULANTS, including those at orientation, 36.

- a) **32** PhD-track.
- b) **4** MD/PhD in G1 year: Brown-TNP, Mischel-PSL (AHA Fellow), Myc-PSL, Veenstra-CB.
- c) Distribution by D/P (US citizen/perm resid = 27; Foreign = 9):
 - i) ACB-2: B. Adams (IMSD), J. Thomas (IBS).
 - ii) BMB-5: T. Dewdney (IMSD), Y. Jiang (Fac), A. Rodrigues (IBS), S. Wang (Discr), J. Wingate (IBS).
 - iii) CB-8: D. Buac (IBS), A. Hardaway (IMSD), J. Irish (IBS), S. Kussman (Discr), S. Mitchell (GS-DDF), T. Mujtaba (IBS), E. Tovar (IBS), J. Veenstra (MD/PhD).
 - iv) IMM-4: L. Abernathy (IBS), C. Marin (IBS), H. Rowe (IBS), J. Thomson (IBS).
 - v) MBG-5: B. Abdallah (IBS), P. Albosta (IBS), K. Maheras (Discr), R. Smith (IBS), D. Testori (IBS).
 - vi) MCT-2: B. Chaker (IBS), L. Huang (Discr).
 - vii) MP-2: N. Elsaid (Self), E. Wennerstrom (Self).
 - viii) PHC-1: M. Johnson (IBS).
 - ix) PSL-5: A. Flack-Valdez (IBS), M. Foster (Discr), N. Mischel (MD/PhD), L. Myc (MD/PhD), V. Ramseyer (IBS).
 - x) PTH-1: W. Huang (IBS).
 - xi) TNP-1: E. Brown (MD/PhD).

6) New (36) PhD-track matriculants-Support Sources:

- a) 28 GRAs from Graduate School.
 - i) 20 GRAs awarded from IBS Stipend Competition.
 - ii) 5 GRAs awarded from the one "Discretionary" GRA allocated to each participating Departments/Programs (intended use).
 - (1) Four (4) others allocated to 6 ongoing students/candidates.
 - iii) 3 GRAs awarded to MD/PhD G1 students.
- b) 4 awards: 1 Grad Sch Dean's Diversity Fellow, 3 NIH funded IMSD training grant (GM058905).
 - i) **Requires SoM supplement each by \$7,388 for a \$20,389 living allowance.**
- c) 1 Fellowship: American Heart Association.
 - i) MAJOR ISSUE: No funds for insurance and tuition+fees.
- d) 1 Faculty funded.
- e) 2 Self supported: Medical Physics, PhD-track.

ALL SoM 2009/2010 PhD Students/Candidates

1) Number of PhD-track students/candidates = 167.

- a) Based upon WSU STARS Fall 2009, Registered, SoM (Sept 8, 2009) and upon SoM Graduate Programs list of 2009/2010 supported PhD students/candidates.
- b) Includes 17 MD/PhD students/candidates in graduate years, inclusive of 3 in M2 year.
- c) By Department/Program: # PhD-students/candidates (# MD/PhD; + 3 MD/PhD not in a D/P):
 - i) ACB = 15 (2)
 - ii) BMB = 19
 - iii) CB = 26 (1)
 - iv) IMM = 16
 - v) MP = 10
 - vi) MBG = 22 (3)
 - vii) MCT = 3
 - viii) PTH = 10 (2)
 - ix) PHC = 14
 - x) PSL = 27 (4)
 - xi) TNP = 4 (1)
 - xii) Engineering, Biomedical = 1 (1)

2) MAJOR ISSUE: To optimize credentials of PhD graduates for career progress it is imperative to encourage application for pre-doctoral fellowship awards or training grant appointments.

- a) Acknowledge difficulty for awarded nationally competitive externally funded support that does not fund tuition+fees.
 - i) Graduate School has agreed that PhD students/candidates applying for or awarded a nationally competitive fellowship that lacks funds for tuition+fees will qualify to apply for and be considered for a GRADUATE PROFESSIONAL SCHOLARSHIP, which could be highlighted in fellowship applications as proof of WSU institutional commitment/support.
 - (1) Imperative applicants for and awardees of nationally competitive fellowships, that provide a full living allowance but no funds for tuition+fees, apply each year to WSU Graduate School for a Graduate Professional Scholarship.
 - (2) To prove need, encourage adding to Graduate Professional Scholarship application documentation of application submitted or awarded with specification tuition+fees are not funded.
- b) Acknowledge difficulty for awarded nationally competitive externally funded support that does not fund insurances.
 - i) WSU Graduate School Dean Wardell has been informed that WSU PhD students/candidates awarded nationally competitive fellowships would benefit from qualifying for WSU insurance coverage, which could be highlighted in fellowship applications as proof of WSU institutional commitment/support.

3) Support sources:

- a) Faculty-Dissertation Mentors external funding:
 - i) Support includes living allowance, insurances, tuition+fees.
 - ii) Most importantly, and of similar expense, are the funds to accomplish the dissertation research that is obligatory for the dissertation ‘apprenticeship’ and award of the PhD degree.

- b) WSU:
 - i) Graduate School GRAs allocated to SoM; G1 & G2 @ 100%, G3 & G4 @ 50%.
 - (1) See applicants & matriculants for details of support.
 - ii) Graduate School Rumble (12) and Dean’s Diversity (1) Fellowships allocated from Graduate School to individual students:
 - (1) Living allowance = \$13,001.
(a) Requires SoM supplement each by \$7,388 for a \$20,389 (‘09’10) living allowance.
 - (2) Insurances ≈ \$4,002.
 - (3) Tuition+fees ≈ \$11,259.
 - iii) OVPR GRAs (5) awarded to individual faculty for a faculty selected student/candidate:
 - (1) Living Allowance = \$18,850.
(a) Requires SoM supplement each by \$1,539/\$2,539 for a \$20,389/\$21,389 (‘09’10) living allowance.
 - (2) Insurances ≈ \$4,002.
 - (3) Tuition+fees ≈ \$11,259.

- c) Training Grants, 2; appointments to ≥ 11 SoM PhD-track students/candidates:
 - i) NIH-funded R25-GM058905 IMSD Training Grant, P.I. Dr. J. Dunbar; supports 10 Pre-Doctorals:
 - (1) ≥ 6: Adams-ACB, Dean-CB, Dewdney-BMB, Hardaway-CB, Harris-PSL, Price-CB.
(a) Requires SoM supplement each by \$7,388 for a \$20,389 living allowance.
 - ii) NIH NCI-funded T32-CA009531 Training Grant, P.I. Dr. L. Matherly; supports 5 Pre-Doctorals:
 - (1) 5: Haagenson-CB, Irwin-PHC, Najor-PHC, Rothberg-CB, Warner-CB.

- d) Fellowships Awarded to Individuals ≥ 14, including but not limited to:
 - i) US government agency funded: ≥ 7.
 - (1) Dual MD/PhD fellowships: NIH F30 (only NHLBI, NIA, NIAAA, NIDA, NIDCR, NIDDK, NIEHS, NIMH, NINDS) or F31:
 - (a) 6 MD/PhD: Astropova-PTH, Atkinson-PSL, Beaumont-MBG, Lillvis-MBG, Szymanski-PSL, Valina-Toth-PSL.
 - (i) Benefit: Full living allowance, partial insurances, partial G#, M3 & M4 tuition+fees.
 - (2) Pre-Doctoral fellowships: NIH-F31 (only): None known.
 - (3) Pre-Doctoral fellowships: NIH-PRB-IRTA; 1: Jessmon-ACB.
 - ii) Not US government agency funded: ≥ 7.
 - (1) AHA: Mischel (MD/PhD)-PSL (no insurances, no tuition+fees) .
 - (2) CIHR: Desmoulin-CB (no insurances, no tuition+fees).

- (3) DoD: Lawrenson (MD/PhD)-MBG, Victor-CB (provides insurances, tuiton+fees).
- (4) Epilepsy Foundation: Barkmeier (MD/PhD)-MBG (?insurances, ?tuition+fees)
- (5) Thailand Government: Moolmuang-CB, Mairing-MBG (?insurances, provides tuition+fees).

e) To Summarize, of 167 PhD student/candidates:

- i) 95 (57% of 167) are supported by a WSU Grad School GRA (77; 46 @ 100%, 31 @ 50%), a Rumble (12) or Dean's Diversity (1) Fellowship, or a WSU OVPR-GRA (5)
 - (1) Of these 95, 64 @ 100%, 31 @ 50%.
- ii) 14 (8% of 167) are supported by an externally funded fellowship or a training grant appointment.
 - (1) Some of these receive SoM supplemental support.
- iii) 11 (7% of 167) are reported to be self-supported.
- iv) 47 (28% of 167), the balance, are assumed to be fully faculty/mentor supported, because OG&PDS is not consistently provided support source when no current support provided through OG&PDS.
 - (1) As per i) another 31 are 50% faculty/mentor supported.

NEW SoM Fall 2009 Masters-track Applicants

- 1) APPLICANTS: Graduate School Admissions reported (Sept 3, 2009) 297 applicants for fall 2009, compared to 263 for fall 2008.** Major groups include:
 - a) MS-BMS: 139.
 - b) MPH: 29.
 - c) Medicine (BMB, Radiol Physics, PSL, etc) = 24.
 - d) Additionally, 12 Non-Degree-track and 7 Certificate-track applications.

- 2) SUPPORT:** No designated or organized financial support for Masters students.

- 3) ADMISSIONS:** Graduate School admissions reported (Sept 3, 2009) 155 admitted for fall 2009, compared to 100 for fall 2008.
 - a) MS in BMS Admissions Committee: Stemmler-BMB, Berk-IMM, Pauley-BMS.
 - i) Admitted = 96 (69%)
 - (1) GPA (#96) average = 3.31 ± 0.29 ; Median 3.33.
 - (a) Quartiles: $1^{st} \geq 3.50$, $2^{nd} \geq 3.33$, $3^{rd} \geq 3.13$.
 - (2) MCAT (#63) average = 27.0 ± 3.9 ; Median 27.
 - (a) Quartiles: $1^{st} \geq 30$, $2^{nd} \geq 27$, $3^{rd} \geq 24$.
 - (3) ≥ 69 matriculated
 - ii) Denied = 43 (31%) of which 13 were incomplete for lack of standardized exam results report.

- 4) ORIENTATIONS:** Responsibility of each Department/Program.
 - a) MS in BMS orientation afternoon of Aug 30th includes Program & Curriculum, Electronic communication, Library, Medical School Admissions information. Separate one-on-one academic advising.
 - b) GC & PSL have Master's students attend portion of PhD orientation.

ALL SoM Fall 2009 Masters Students

- 1) Number of 'registered' 2009 fall SoM MS-track & Graduate Certificate-track students = 197.**
 - a) Based upon WSU STARS Fall 2009, Registered, SoM (Sept 9, 2009).
 - i) By major:
 - (1) MS-BMS = 110.
 - (a) Enrollement (9/10) 925 cr (average 8.4) @ \$490.55/cr \approx \$470,000 tuition + omnibus fee.
 - (2) MS-GC = 11.
 - (3) MS-Medicine (includes BMB, Radiol Physics, Physics, etc) = 35.
 - (4) MS-MPH = 36.

- 2) Assuming 8.4 cr hr average X 197 students X \$490.55/cr hr tuition+omnibus fee \approx \$813,000.00.**

2009 Summer Research Opportunities for Students

1) Medical Student Summer Research Opportunities:

- a) Funded by Medical School Alumni. 18 available.
- b) Organizers: Drs. Rossi, Goebel & White.
- c) Faculty advisors: ACR-Berkowitz & Holt; BMB-Akins; Dermatology-Rosner; Emergency Med-Levy; IMM-Noverr, Internal Medicine-Augustyniak, Rossi; Neurology-Dore-Duffy; OB-GYN-Bahado-Singh; Otolaryngology-Coticchia; P&BN-Rosenberg; Pediatrics-Taub; PSL-Jenna, Lasley, Mercado; PTH-Sarkar.

2) SURE-Summer Undergraduate Research Experience:

- a) Important element of 'recruiting'.
- b) Funded: OG&PDS50%, Faculty advisors 50%:
- c) Faculty advisors: ACB-Berkowitz, Kowluru; BMB-Stemmler; CB-Matherly; Dermatology-Rosner; IMM-Neely; MBG-Zhang; PHC-Bannon, Wu; PSL-Ram, Scislo & O'Leary.