

CAMPEP Graduate Program Report

AAPM Austin, July 2014

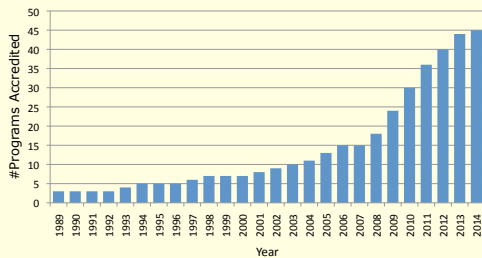
B Clark, PhD
Chair, CAMPEP GEPRC

Current Status

- # accredited graduate programs: 45 (44)
- # accredited DMP programs: 1 (1)
- # accredited certificate programs: 12 (7)
- # programs in initial review process: 2 + 1

- # accredited programs in:
 - US 34
 - Canada 10
 - Outside North America 1

Program Growth



Program Response / Degree Offerings

# Programs offering:	2009	2010	2011	2012	2013
MS Degrees	28	31	32	39	43
PhD Degrees	21	22	24	29	30
MS & PhD Degrees	20	19	20	27	28
MS Degree Only	8	12	9	11	13
PhD Degree Only	1	3	2	2	2*
DMP	0	1	1	1	1

Graduate Program Applicants

	2009	2010	2011	2012	2013
# applications reviewed	1351	1668	1604	2061	1801
# offered admission	385	501	484	570	545
# matriculated	196	276	258	311	289
Average GPA (MS/PhD)	3.52	3.46	3.56	3.5/3.6	3.5/3.6

Entering Class – Gender

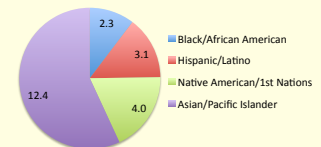
	2009	2010	2011	2012	2013
MS/MSc – Male	71%	70%	72%	68%	64%
PhD – Male	60%	78%	80%	70%	71%

Entering Class - Nationality

Nationality	2009	2010	2011	2012	2013
MS/MSc – Domestic	87%	91%	82%	82%	91%
PhD – Domestic	56%	82%	75%	84%	80%
From under-represented racial or ethnic groups				14%	22%*

* Excluding SNU (92% Asian)

# Programs	Ethnic %
16	0%
9	<25%
13	25%-50%
3	> 50%
41	Total

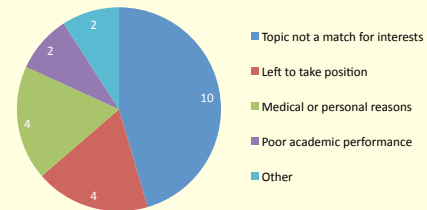


Enrollment and Graduates

	2009	2010	2011	2012	2013
Enrollment					
MS/MSc	333	431	450	466	467
PhD	345	458	465	534	572
DMP				20	20
Certificate				18	34
Total	678	889	915	1038	1093
Graduates					
MS/MSc	147	168	148	198	162
PhD	63	69	67	80	113
DMP					4
Certificate					9
Total	210	237	215	278	288

Premature Departure

13 Programs reported 22 (2.0%) students left prior to completion
Down from 30 (2.9%) last year



MS/MSc Graduate Destination

	2010	2011	2012	2013
Entered RT residency	20 (12%)	33 (24%)	44 (22%)	37 (23%)
Entered IP residency	3 (2%)	1 (1%)	1 (<1%)	4 (3%)
Junior MP position	75 (47%)	53 (38%)	62 (31%)	48 (30%)
Another degree	22 (14%)	20 (14%)	49 (25%)	27 (17%)
Position in industry	8 (5%)	12 (9%)	6 (3%)	17 (11%)
Still seeking position			16 (8%)	16 (10%)
Other	33 (20%)	20 (14%)	17 (9%)	12 (7%)

PhD Graduate Destination

	2010	2011	2012	2013
Entered RT residency	22 (32%)	23 (34%)	24 (30%)	28 (25%)
Entered IP residency	4 (6%)	5 (7%)	6 (8%)	4 (4%)
Junior MP position	12 (18%)	15 (22%)	18 (23%)	26 (24%)
Post-doc	14 (21%)	15 (22%)	11 (14%)	18 (16%)
Another degree	2 (3%)	2 (3%)	1 (1%)	3 (3%)
Took job in industry	7 (10%)	4 (6%)	9 (11%)	9 (8%)
Still seeking a position			6 (8%)	5 (5%)
Other	7 (10%)	4 (6%)	4 (5%)	11 (10%)

Other Graduate Destination

	DMP	Certificate
Entered RT residency	N/A	7 (78%)
Entered IP residency	N/A	
Junior MP position	4 (100%)	
Post-doc	N/A	1 (11%)
Another degree		
Took job in industry		
Still seeking a position		
Other		1 (11%)

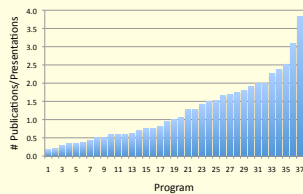
Students Entering Board Examination Process

	2009	2010	2011	2012	2013
ABR	104	190	238	241	279
CCPM	1	2	0	18	3??
ABMP	0	0	0	1	1
ABSNM	0	0	0	0	0

Faculty and Student Productivity

	2009	2010	2011	2012	2013
Mean # Faculty/Program (formal affiliation)	17.3 (2-55)	20.7 (1-71)	20.2 (3-65)	20.0 (5-70)	18.9 (3-66)

37 Programs reported academic activity
428 peer reviewed publications, 790 presentations by students, range 0 -100
Plot below normalised to output per student



Plans for DMP

	2009	2010	2011	2012	2013
No	21	22	22	26	29
Under consideration	1	6	4	5	4
In preparation	3	3	4	5	4
Waiting for institution approval	0	1	3	1	3
Awaiting CAMPEP accreditation	1	0	0	0	2
CAMPEP accredited	0	1	1	1	1

Plans for Clinical Residency

	2011	2012	2013
No	7	9	10
Under consideration	3	7	6
In preparation	5	2	2
Waiting for institution approval	0	0	1
Awaiting CAMPEP accreditation	5	4	2
CAMPEP accredited	14	19	20
# Positions/year	15	25	17

Clinical Training Opportunities (%)

Option	2011	2012	2013
Rotations in clinic	19	29	30
Clinical experience during research	32	34	35
Practicum courses	20	20	23
Internships at institution	7	12	12
Internships outside institution	7	16	8
Lab courses	29	36	35
Summer rotations / internships	10	14	12
Clerkships	1	1	21
Periods of extensive clinical work during regular semester	12	13	12

Certificate Programs

11 programs accredited, 7 programs reporting student numbers in 2013

	# Applicants	# Students Currently Registered	% Domestic	# Students Graduated	# With Residency Positions
Calgary	4	3	100	2	2
Chicago	8	5	100	3	3
Columbia	5	5	100	1	1
Florida	21	12	40	1	(Post Doc)
Penn	5	5	80	2	1
Wayne State	10	4	75	1st year	N/A
M C Wisconsin		2	50	1st year	N/A
Total	53	36		9	7

Summary

Acknowledgement

Thanks to all program directors for timely response to our survey

- The annual report is an effective method of gathering statistics and monitoring program activity
- Are there questions that could or should be removed? Or added?