



*“The purpose of life is not to be happy — but to matter, to be productive, to be useful, to have it make some difference that you have lived at all” .*

~ Leo Rosten



# RESEARCH PRODUCTIVITY & CAPACITY DEVELOPMENT 2008/9

## Overall, in 2008/9 the MRC produced:

- 706 peer-reviewed publications in: journals, books and chapters in books (676 in 2006, 680 in 2007) plus 41 from SAAVI
- 62 PhD graduates (191 enrolled in 2008; 239 enrolled in 2007; 44 graduated in 2007) plus two from SAAVI
- 59 Masters' graduates

This research productivity and capacity development came from:

- 19 intramural Units employing 114 senior scientists who produced 252 peer-reviewed publications
- 22 extramural Units, with 122 senior scientists who produced 454 peer-reviewed publications

In total, there were 236 senior scientists (338 in 2007) in these 41 research units engaged in 556 research projects.

Therefore per senior scientist, the productivity ratio was 3.00 (2.00 in 2007):

- 2.2 for the 19 intramural Units
- 3.7 for the 22 extramural Units

STAFF	MASTERS' STUDENTS		DOCTORAL STUDENTS		PEER-REVIEWED PUBLICATIONS
	Enrolled	Graduated	Enrolled	Graduated	Published
<b>HIV AND AIDS</b>					
<b>HIV PREVENTION</b>					
179 staff:	3	0	0	0	6
17 senior scientists	(0)	(0)	(0)	(0)	(11)
5 junior scientists					
133 technologists/ technicians					
24 support staff					
<b>SOUTH AFRICAN AIDS VACCINE INITIATIVE (SAAVI)</b>					
Total of 127 staff	6	3	11	2	41
<b>TUBERCULOSIS</b>					
<b>TUBERCULOSIS EPIDEMIOLOGY AND INTERVENTION</b>					
21 staff:	2	0	2	0	3
2 senior scientists	(4)	(1)	(0)	(0)	(3)
2 junior scientists					
14 technologists					
3 support staff					
<b>CLINICAL AND BIOMEDICAL TUBERCULOSIS</b>					
61 staff:	1	0	1	0	5
9 senior scientists	(2)	(0)	(2)	(0)	(6)
1 junior scientist					
44 technologists/ technicians					
7 support staff					
<b>MOLECULAR MYCOBACTERIOLOGY</b>					
7 staff:	5	0	2	2	6
4 senior scientists	(4)	(1)	(2)	(2)	(6)
2 technical staff					
1 support staff					
<b>MOLECULAR AND CELLULAR BIOLOGY</b>					
16 staff:	12	11	11	7	59
9 senior scientists	(23)	(3)	(6)	(10)	(28)
4 junior scientists					
3 technologists					
<b>CARDIOVASCULAR DISEASE AND DIABETES</b>					
<b>CHRONIC DISEASES OF LIFESTYLE</b>					
16 staff:	1	0	2	0	20
6 senior scientists	(1)	(1)	(3)	(1)	(12)
4 junior scientists					
2 technologists					
4 support staff					
<b>INTER-UNIVERSITY CAPE HEART</b>					
<b>CARDIOVASCULAR</b>					
5 staff:	10	1	5	2	6
5 senior scientists	(2)	(0)	(4)	(0)	

<b>LIPIDOLOGY</b>					
9 staff:	1	1	2	2	9
3 senior scientists					(6)
4 technologists					
2 support staff					
<b>HATTER HEART RESEARCH INSTITUTE</b>					
8 staff:	3	1	1	0	27
3 senior scientists	(3)	(1)	(4)	(0)	(6)
2 technologists					
3 support staff					
Lochner:	5	0	2	0	6
7 staff:	(4)	(0)	(3)	(0)	(2)
4 senior scientists					
2 junior scientists					
1 support staff					
<b>EXERCISE SCIENCE AND SPORTS MEDICINE</b>					
25 staff:	12	6	18	2	52
16 senior scientists	(15)	(3)	(19)	(5)	(45)
3 junior scientists					
6 technical staff					
<b>INFECTIOUS DISEASES</b>					
<b>IMMUNOLOGY OF INFECTIOUS DISEASES</b>					
12 staff:	1	1	8	5	10
6 senior scientists	(12)	(5)	(10)	(5)	(30)
4 technologists					
2 support staff					
<b>DIARRHOEAL PATHOGENS</b>					
13 staff:	6	0	2	0	7
6 senior scientists	(5)	(0)	(2)	(0)	(10)
3 technologists/ technicians					
3 interns					
1 support staff					
<b>INFLAMMATION AND IMMUNITY</b>					
8 staff:	0	0	4	0	13
5 senior scientists	(2)	(2)	(2)	(1)	(10)
2 junior scientists					
1 support staff					
<b>RESPIRATORY AND MENINGEAL PATHOGENS</b>					
39 staff:	9	0	2	2	29
7 senior scientists	(2)	(2)	(2)	(2)	(27)
5 junior scientists					
16 technologists					
11 support staff					
<b>MALARIA</b>					
32 staff:	4	1	4	1	10
3 senior scientists	(5)	(0)	(5)	(0)	(13)
4 junior scientists					
20 technologists/ technicians					
5 support staff					

**CRIME, VIOLENCE AND INJURY****CRIME, VIOLENCE AND INJURY**

20 staff:	3	2	2	2	25
6 senior scientists	(4)	(4)	(9)	(1)	(11)
5 junior scientists					
6 technologists					
3 support staff					

**CANCER****CANCER EPIDEMIOLOGY**

4 staff:	3	1	1	0	5
2 senior scientists	(3)	(1)	(1)	(0)	(9)
2 technical staff					

**PROME C**

17 staff:	3	1	9	3	19
9 senior scientists	(2)	(1)	(8)	(0)	(19)
7 technologists					
1 support staff					

**OESOPHAGEAL CANCER**

9 staff:	6	3	1	8	13
6 senior scientists	(7)	(2)	(9)	(1)	(7)
2 technical staff					
1 support staff					

**ONCOLOGY**

4 staff:	6	3	2		
3 research interns					
1 postdoctoral fellow					

**PUBLIC HEALTH****BURDEN OF DISEASE**

10 staff:	3	1	4	0	25
6 senior scientists	(2)	(0)	(1)	(-)	(9)
2 junior scientist					
1 technologist					
1 support staff					

**BIostatISTICS UNIT**

21 staff:	1	0	0	0	69
8 senior scientists	(3)	(0)	(2)	(0)	(63)
7 junior scientists					
4 technical staff					
2 support staff					

**COCHRANE CENTRE**

12 staff:	0	0	2	0	19
7 senior scientists	(0)	(0)	(3)	(0)	(26)
3 junior scientists					
2 support staff					

**HEALTH POLICY**

23 staff:	12	3	10	2	15
6 senior scientists	(15)	(3)	(14)	(2)	(11)
13 junior scientists					
4 support staff					

**HEALTH SYSTEMS**

26 staff:	2	2	10	0	18
10 senior scientists	(2)	(0)	(10)	(0)	(28)
12 junior scientists					
4 support staff					

<b>RURAL PUBLIC HEALTH AND HEALTH TRANSITION</b>					
18 staff:	15	3	10	1	27
6 senior scientists	(7)	(1)	(5)	(0)	(10)
4 junior scientists					
6 technologists					
2 support staff					
<b>HEALTH PROMOTION</b>					
<b>ALCOHOL AND DRUG ABUSE</b>					
24 staff:	1	1	3	1	13
5 senior scientists	(0)	(0)	(4)	(0)	(5)
8 junior scientists					
6 technologists					
5 support staff					
<b>HEALTH PROMOTION RESEARCH AND DEVELOPMENT</b>					
12 staff:	4	1	8	1	11
7 senior scientists	(4)	(1)	(6)	(1)	(8)
1 junior scientists					
2 technicians/ technologists					
2 support staff					
<b>WOMEN, MATERNAL AND CHILD HEALTH</b>					
<b>GENDER AND HEALTH</b>					
18 staff:	3	0	6	0	14
7 senior scientists	(2)	(1)	(3)	(0)	(11)
3 junior scientists					
3 technologists					
5 support staff					
<b>MINERAL METABOLISM</b>					
9 staff:	3	0	0	0	23
2 senior scientists	(3)	(0)	(4)	(1)	(13)
6 technical staff					
1 support staff					
<b>MATERNAL AND INFANT HEALTH CARE STRATEGIES</b>					
10 staff:	4	5	3	0	15
2 senior scientists	(4)	(-)	(4)	(1)	(8)
8 technical staff					
<b>NUTRITION</b>					
<b>NUTRITION INTERVENTION</b>					
23 staff:	0	0	2	0	18
7 senior scientists	(0)	(0)	(2)	(0)	(17)
12 technologists					
4 support staff					
<b>BRAIN AND BEHAVIOUR</b>					
<b>ANXIETY AND STRESS DISORDERS</b>					
21 staff:	5	0	7	0	56
8 senior scientists	(4)	(1)	(6)	(3)	(49)
4 junior scientists					
4 support staff					
5 research assistants					
<b>MEDICAL IMAGING</b>					
9 staff:	25	3	14	1	31
8 senior scientists	(14)	(1)	(9)	(0)	(19)
1 junior scientist					

**GENOMICS AND PROTEOMICS****BIOINFORMATICS CAPACITY DEVELOPMENT**

8 staff:	7	1	14	3	21
2 senior scientists	(3)	(3)	(9)	(2)	(20)
2 junior scientists					
2 technologists					
2 support staff					

**BONE**

6 staff:	0	3	1	2	8
2 senior scientist	(0)	(0)	(1)	(0)	(3)
1 junior scientist					
2 technologists					
1 support staff					

**HUMAN GENETICS**

8 staff:	5	2	3	2	10
3 senior scientists	(7)	(3)	(8)	(0)	(6)
3 junior scientists					
2 support staff					

**HUMAN GENOMIC DIVERSITY**

7 staff:	3	1	1	0	7
1 senior scientist	(5)	(0)	(1)	(0)	(4)
6 research assistants					

**RECEPTOR BIOLOGY**

7 staff:	4	1	4	2	12
4 senior scientists	(3)	(1)	(5)	(1)	(13)
3 technologists					

**ENVIRONMENT AND HEALTH****ENVIRONMENT AND HEALTH**

14 staff:	4	1	2	1	12
5 senior scientists	(4)	(6)	(11)	(2)	(11)
3 junior scientists					
4 technologist					
2 support staff					

**AFRICAN TRADITIONAL MEDICINES****DRUG DISCOVERY AND DEVELOPMENT**

8 staff:	6	1	14	7	16
4 senior scientists	(10)	(2)	(8)	(3)	(20)
3 technologists					
1 support staff					

**INDIGENOUS KNOWLEDGE SYSTEMS**

8 MRC staff + 10 research interns	2	1	6	1	
	(1)	(2)	(2)	(0)	
1 chief specialist scientist					
2 junior scientists					
1 research assistant					
7 research interns					
3 support staff					
2 postdoctoral fellows					