



SYNOPSIS OF RESEARCH ACTIVITIES
IN THE FACULTY OF MEDICINE
UNIVERSITY OF TORONTO
AND ITS AFFILIATED
TEACHING HOSPITALS

April 2014 - March 2015

<http://www.medresearch.utoronto.ca/>

Based on RIS data snapshot : November 2, 2015, 1020hrs
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About THIS Report

As of 2012 the Faculty of Medicine Research Office (Office of the Vice-Dean for Research, Faculty of Medicine) ceases to publish the hardcopy version of the Synopsis of Research Activities of the Faculty of Medicine and Affiliated Hospitals. In its place, is this abbreviated report – available online – consisting of only the most requested Tables and Graphs.

This report's introductory pages have been reformatted to be screen-friendly (landscape orientation) but the tables and graphs have been retained in pdf format for ease of printing for those who desire a paper copy.

As always we would like to acknowledge the support of Departmental Chairs, Research Directors and UofT/Hospital Research Administrators for providing information on research activities.

We would like to thank collectively the numerous individuals who have contributed in one way or another to the tedious task of producing this report. We look forward to your continued support for next year's report.

TERMS OF REFERENCE

Research funding is summarized in the Synopsis by department and by research location of the principal investigator.*

The following guidelines are used to collect research funding information and assign funds in the research database:

- Research funding information is collected from administration offices located on the University of Toronto campus and at the affiliated teaching hospitals for grants and awards received during the period **April 1, 2014- March 31, 2015**.
- Information is collected on investigators who hold a Faculty of Medicine appointment.
- These data are assigned to a principal investigator as identified by the grant application or through consultation with the departmental Chair.
- An investigator's research funding information is linked to their primary departmental affiliation and to a primary research location as identified on the grant application.
- Funds may be assigned to a department in which a principal investigator holds a cross appointment. The assignment is conditional upon the agreement of the Chairs.
- This summary includes direct research grants only and does not include funding to implement or maintain research infrastructure, e.g. CFI awards.
- Research funding that remains unexpended during a given report period is not carried forward to subsequent reports.
- The data used to generate this report (unless otherwise indicated) was **based on an RIS 'by-Location' Report download (data snapshot) initiated at 1020 hrs of November 2, 2015**.
- All calculations were done using validated programs in SAS statistical Software version 9.3

* In practice, research funds are administered through the departments of all investigators, both principal and co-investigator, involved in a research project. The resource allocation contained in this summary may differ from departmental reports.

Table 1a
FACULTY OF MEDICINE - UNIVERSITY OF TORONTO
Summary of Department Research Funding vs Sponsor in MILLIONS of Dollars
 April 2014 - March 2015

DEPARTMENT	Total	TriCouncil	TriCouncil SUB	Federal Gov	Federal Gov SUB	Provincial GOV	Provincial Gov SUB	Charities	Charities SUB	NIH & US Gov	NIH & US Gov SUB	Industry	Industry SUB	International	Other	Local	# of Awards
BASIC																	
BDDMR	21.652	7.236	0.189	2.903	0.124	1.874	0.072	1.572	0	0.837	2.342	2.113	0.069	0	1.824	0.498	199
Biochemistry	20.775	6.989	0.139	3.664	0	0.138	0.203	2.780	0.020	0	0	0.892	0.047	0.012	0.761	5.129	257
Biomat & Biomed Eng	3.296	0.777	0	0	0	1.001	0	0.632	0	0	0	0	0	0	0.449	0.438	40
Immunology	13.882	4.170	0.054	0.795	0	0.350	0	3.391	0	0.215	0.103	0.450	0.147	0	1.797	2.410	181
Medical Biophysics	80.518	12.446	0.164	8.666	0	9.697	0	9.210	0.172	1.095	0.796	2.945	0.625	0.151	2.867	31.684	635
Molecular Genetics	76.189	20.063	0.304	14.505	0.040	5.068	0.306	18.670	0.012	0.457	0.475	6.504	0.495	0.020	2.795	6.476	593
Nutritional Sciences	8.149	3.603	0.067	1.183	0	0	0	1.456	0	0	0	0.516	0	0.010	1.296	0.018	148
Pharmacology	5.152	1.758	0.039	0.265	0	0.650	0	0.367	0	0.134	0.842	0.593	0.107	0.010	0.387	0	96
Physiology	17.201	7.117	0.186	1.271	0	0.464	0	2.663	0.157	0.326	0	0.614	0	0.000	2.018	2.383	288
SUB-TOTAL	246.814	64.159	1.142	33.252	0.164	19.242	0.581	40.741	0.361	3.064	4.558	14.627	1.490	0.203	14.194	49.036	2,437
CLINICAL																	
Anesthesia	7.226	2.575	0	0.356	0	0.322	0	1.212	0	0	0	0.821	0.089	0	0.160	1.692	102
Family & Community Medicine	10.834	1.414	0.026	0.156	0	6.730	0.092	0.812	0	0.062	0	0.185	0.152	0	0.787	0.417	95
Lab. Medicine & Pathobiology	35.555	8.767	0.256	0.824	0	0.813	0	7.915	2.067	0.552	0.514	5.078	0.021	0.000	2.513	6.235	472
Medical Imaging	11.410	0.772	0	0.513	0	1.059	0	2.843	0	0.344	0.043	1.133	0	0.005	1.076	3.623	133
Medicine	162.453	26.950	1.374	4.109	0.273	11.385	0.181	26.543	0.482	4.941	1.337	42.093	1.208	0.075	5.364	36.137	2,055
Obstetrics & Gynaecology	5.515	1.567	0.018	0.626	0	0.003	0.203	1.264	0	0	0.254	0.423	0.035	0	0.216	0.906	98
Occupational Therapy	4.741	1.205	0.097	0.300	0	0.617	0	0.420	0	0	0.045	0	0.009	0	1.896	0.153	344
Ophthalmology And Vision Sci	7.688	0.775	0	0.378	0	0	0	1.849	0	0	0.000	1.063	0	0	1.279	2.344	99
Otolaryngology	4.090	0.585	0	0.020	0	0	0	0.688	0	0	0	0.612	0.012	0	0.133	2.041	54
Paediatrics	58.872	16.027	1.580	0.926	0	2.587	0	19.758	0.220	0.897	1.704	3.590	0.699	0.472	2.181	8.230	1,051
Physical Therapy	5.717	1.231	0.225	0.191	0	0.235	0	1.300	0	0	0	0	0.025	0	2.169	0.342	327
Psychiatry	43.578	10.052	0.476	2.197	0.066	6.553	0	11.597	0.174	2.733	0	1.399	0.339	0	5.140	2.853	518
Radiation Oncology	30.826	1.641	0.002	0.437	0.314	2.050	0	7.790	0	0.313	0	2.267	0.079	0	1.408	14.525	342
Speech-Language Pathology	1.972	0.282	0.014	0.100	0	0.050	0	0.114	0	0	0.115	0.001	0.069	0	1.214	0.013	223
Surgery	69.907	11.199	0.138	1.856	0.025	3.941	0	15.254	1.007	1.433	0.322	6.424	0.828	0.226	2.193	25.063	942
SUB-TOTAL	460.384	85.042	4.206	12.989	0.678	36.345	0.476	99.359	3.950	11.275	4.334	65.089	3.565	0.778	27.729	104.574	6,855
Other	17.775	3.046	0.194	0.339	0	3.539	0.122	5.304	0.154	0.108	0.645	2.975	0	0	1.303	0.047	147
TOTAL	724.973	152.247	5.542	46.580	0.842	59.126	1.179	145.404	4.465	14.447	9.537	82.691	5.055	0.981	43.226	153.657	9,439
CFI/OIT ¹	71.400									0						0	105
GRAND TOTAL ²	796.373 (x \$1,000,000)																9,544

¹ CFI and OIT funding represents physical infrastructure grants to the Hospital for Sick Children, Mt. Sinai Hospital, St. Michael's Hospital, the Sunnybrook Health Sciences Centre, University of Toronto and the University Health Network.

² Excludes a total of \$_____ from the Federal Indirect Costs Program awarded to affiliate hospitals.

Table 1b
FACULTY OF MEDICINE - UNIVERSITY OF TORONTO
Summary of Department Research Funding vs Sponsor in MILLIONS of Dollars INCLUDING SUB-GRANTS
 April 2014 - March 2015

DEPARTMENT	Total	TriCouncil*	Federal Gov*	Provincial GOV*	Charities*	NIH & US Gov*	Industry*	Other	Local	# of Awards
BASIC										
CCBR (formerly BDDMR)	21.652	7.425	3.027	1.945	1.572	3.179	2.182	1.824	0.498	199
Biochemistry	20.775	7.129	3.664	0.341	2.800	0	0.940	0.773	5.129	257
Biomat & Biomed Eng	3.296	0.777	0	1.001	0.632	0	0	0.449	0.438	40
Immunology	13.882	4.224	0.795	0.350	3.391	0.318	0.597	1.797	2.410	181
Medical Biophysics	80.518	12.611	8.666	9.697	9.382	1.891	3.569	3.019	31.684	635
Molecular Genetics	76.189	20.367	14.545	5.374	18.682	0.932	6.999	2.815	6.476	593
Nutritional Sciences	8.149	3.669	1.183	0	1.456	0	0.516	1.306	0.018	148
Pharmacology	5.152	1.797	0.265	0.650	0.367	0.976	0.700	0.397	0	96
Physiology	17.201	7.303	1.271	0.464	2.820	0.326	0.614	2.018	2.383	288
SUB-TOTAL	246.814	65.302	33.416	19.822	41.102	7.622	16.117	14.398	49.036	2,437
CLINICAL										
Anesthesia	7.226	2.575	0.356	0.322	1.212	0	0.910	0.160	1.692	102
Family & Community Medicine	10.834	1.440	0.156	6.823	0.812	0.062	0.337	0.787	0.417	95
Lab. Medicine & Pathobiology	35.555	9.023	0.824	0.813	9.981	1.067	5.099	2.514	6.235	472
Medical Imaging	11.410	0.772	0.513	1.059	2.843	0.387	1.133	1.081	3.623	133
Medicine	162.453	28.324	4.382	11.566	27.025	6.278	43.301	5.439	36.137	2,055
Obstetrics & Gynaecology	5.515	1.585	0.626	0.206	1.264	0.254	0.458	0.216	0.906	98
Occupational Therapy	4.741	1.302	0.300	0.617	0.420	0.045	0.009	1.896	0.153	344
Ophthalmology And Vision Sci	7.688	0.775	0.378	0	1.849	0.000	1.063	1.279	2.344	99
Otolaryngology	4.090	0.585	0.020	0	0.688	0	0.624	0.133	2.041	54
Paediatrics	58.872	17.606	0.926	2.587	19.979	2.601	4.289	2.652	8.230	1,051
Physical Therapy	5.717	1.455	0.191	0.235	1.300	0	0.025	2.169	0.342	327
Psychiatry	43.578	10.527	2.262	6.553	11.771	2.733	1.737	5.140	2.853	518
Radiation Oncology	30.826	1.643	0.751	2.050	7.790	0.313	2.345	1.408	14.525	342
Speech-Language Pathology	1.972	0.296	0.100	0.050	0.114	0.115	0.070	1.214	0.013	223
Surgery	69.907	11.337	1.881	3.941	16.261	1.754	7.251	2.419	25.063	942
SUB-TOTAL	460.384	89.245	13.666	36.822	103.309	15.609	68.651	28.507	104.574	6,855
Other	17.775	3.240	0.339	3.662	5.457	0.753	2.975	1.303	0.047	147
TOTAL	724.973	157.787	47.421	60.306	149.868	23.984	87.743	44.208	153.657	9,439
CFI/OIT ¹	71.400	0	41.017	18.422	11.562	0	0	0.400	0	105
GRAND TOTAL²	796.373 (x \$1,000,000)									9,544

* Dollar values represent direct funding as well as subgrants / subcontracts where primary funding source is documented. For a breakdown of direct vs subgrant funding see Table 1a.

¹ CFI and OIT funding represents physical infrastructure grants to the Hospital for Sick Children, Mt. Sinai Hospital, St. Michael's Hospital, the Sunnybrook Health Sciences Centre, University of Toronto and the University Health Network.

² Excludes a total of \$ _____ from the Federal Indirect Costs Program awarded to affiliate hospitals.

Table 4
FACULTY OF MEDICINE - UNIVERSITY OF TORONTO
Summary of Location Research vs Sponsor (Funding Source) in MILLIONS of Dollars
 April 2014 - March 2015

HOSPITAL	Total	TriCouncil	TriCouncil SUB	Federal Gov	Federal Gov SUB	Provincial GOV	Provincial Gov SUB	Charities	Charities SUB	NIH & US Gov	NIH & US Gov SUB	Industry	Industry SUB	International	Other	Local	# of Awards
Baycrest Centre for Geriatric Care	3.194	1.090	0.185	0.300	0	0.111	0	0.742	0	0	0	0	0.487	0	0.244	0.034	46
Bloorview Kid's Rehab (Holland)	5.351	1.525	0.125	0.300	0	1.579	0	0.533	0	0	0	0.022	0.220	0	1.049	0	65
Centre for Addiction and Mental Health	31.653	6.038	0.077	2.063	0	8.237	0	8.206	0	2.041	0	0.543	0.193	0	4.116	0.138	285
Hospital for Sick Children	152.751	33.900	1.956	13.172	0	6.836	0.229	43.218	3.089	2.443	2.148	11.563	0.860	0.472	5.123	27.742	1,952
Mount Sinai Hospital	55.931	15.602	0.432	3.856	0.014	1.511	0.418	16.996	0.045	0.832	0.669	10.151	0.535	0.013	1.513	3.342	528
St. Michael's Hospital	42.725	11.692	0.097	2.982	0	2.320	0	7.086	0.213	1.603	0.202	6.314	0.504	0	2.559	7.153	637
Sunnybrook Health Sciences Center	67.836	9.769	0.581	8.146	0	5.469	0.035	19.306	0	1.193	0.127	9.281	0.523	0.144	2.256	11.005	736
University Health Network	248.619	29.668	0.878	4.452	0.484	23.732	0	35.738	0.643	5.214	1.237	38.262	1.255	0.300	3.530	103.227	2,319
Women's College Hospital	6.363	1.216	0	0	0	2.297	0.038	0.673	0	0	0	0.292	0.164	0	0.832	0.851	81
Other Hospitals ¹	0.474	0.133	0.201	0.100	0	0	0	0	0	0	0	0	0	0	0.040	0	7
SUB-TOTAL	614.896	110.631	4.533	35.372	0.499	52.092	0.721	132.499	3.990	13.325	4.382	76.428	4.741	0.929	21.262	153.493	6,656
Other Locations ²	5.431	4.483	0.012	0	0	0.170	0	0.121	0	0	0.334	0.220	0.014	0	0.077	0	51
UofT Campus	104.649	37.131	0.997	11.209	0.343	6.863	0.458	12.786	0.474	1.123	4.820	6.041	0.299	0.052	21.887	0.164	2,732
TOTAL	724.976	152.245	5.542	46.581	0.841	59.126	1.179	145.405	4.465	14.448	9.536	82.689	5.054	0.981	43.226	153.657	9,439
CFI/OIT ³	71.400																105
GRAND TOTAL	796.376	(x \$1,000,000)															9,544

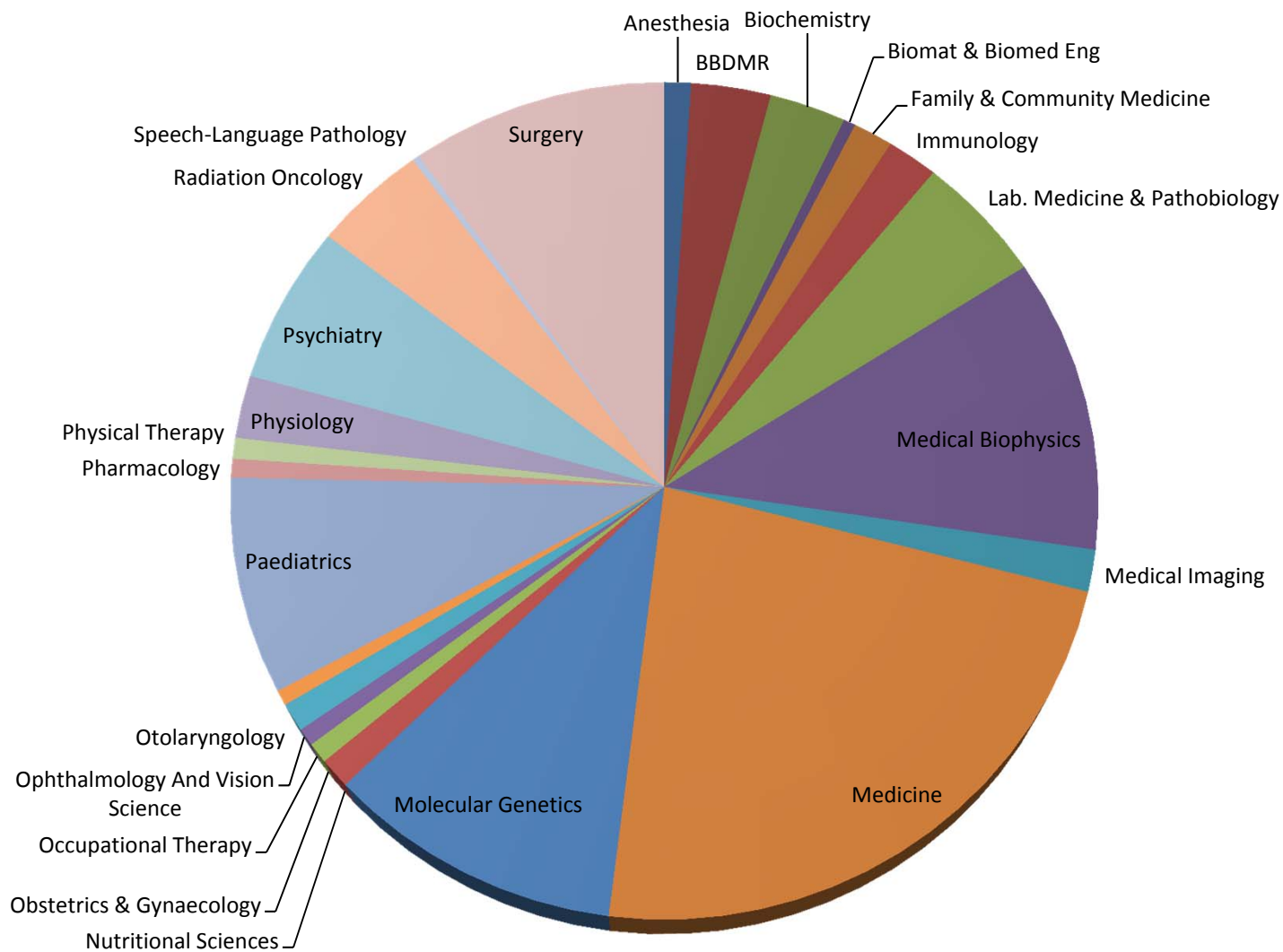
¹ Research at non-affiliated hospitals.

² Research at other locations other than UofT Campus and other hospitals.

³ CFI and OIT funding represents physical infrastructure grants to the Hospitals University of Toronto and the University Health Network.

FACULTY OF MEDICINE - UNIVERSITY OF TORONTO

Proportion of Total 2014-15 Funding by Department



FACULTY OF MEDICINE - UNIVERSITY OF TORONTO
Total Research Dollar (Thousands) Distribution by Location of Research for 2014-15

