

REPORT OF THE SENATE COMMITTEE ON UNIVERSITY PLANNING
(SCUP)

Creation and Naming of the Schulich School of Medicine

2004-05 University Operating and Capital Budgets

The Tanna Schulich Chair of Neuroscience & Mental Health

Schulich Canada Research Chairs:

The Edith Schulich Vinet Canada Research Chair in Human Genetics

The Dr. Brian W. Gilbert Canada Research Chair in Primary Health Care

Annual Report on *Making Choices: Western's Commitment as a Research-Intensive University*

Report of the Subcommittee on Priorities in Academic Development

Report on First Choice Applications to Western

FOR APPROVAL

1. **Creation and Naming of the Schulich School of Medicine**

**Establishment
of a School of
Medicine**

Recommended:

That a School of Medicine be established within the Faculty of Medicine & Dentistry with the following departments:

Anatomy and Cell Biology, Anesthesia & Perioperative Medicine, Biochemistry, Clinical Neurological Sciences, Diagnostic Radiology and Nuclear Medicine, Epidemiology and Biostatistics, Family Medicine, History of Medicine, Medical Biophysics, Medicine, Microbiology and Immunology, Obstetrics and Gynaecology, Oncology, Ophthalmology, Otolaryngology, Paediatrics, Pathology, Physical Medicine and Rehabilitation, Physiology and Pharmacology, Psychiatry, Surgery

**Naming the
School of
Medicine**

and

That the School of Medicine be named the **Schulich School of Medicine** based on a significant endowed gift from Seymour Schulich.

Background:

On March 31, 2004, the University announced that Mr. Seymour Schulich and Nevada Capital Corporation have pledged a gift of \$26,000,000 in support of the Faculty of Medicine & Dentistry.

The proposed outright gift of \$16,000,000, a bequest of \$5 million, and an additional \$5 million as a “top-up payment” (see below) from Mr. Seymour Schulich and/or Nevada Capital Corporation Ltd. (a corporation controlled by Mr. Schulich) is composed as follows:

- \$1,000,000 expendable, received in December 2003 for the **Schulich Undergraduate Scholarships** for medical students at Western's Faculty of Medicine & Dentistry, to be awarded on or before August 31, 2004.
- \$15,000,000 for endowment, to be received on or before December 31, 2004, to create **The Seymour Schulich Endowment**. The annual expendable income/capital (see below) of The Seymour Schulich Endowments shall be used to support, in perpetuity:
 - o Two Canada Research Chairs to be known as **The Edith Schulich Vinet Canada Research Chair in Human Genetics** and **The Dr. Brian W. Gilbert Canada Research Chair in Primary Health Care**. (\$1,333,333 share of capital; \$50,000 annually to each Chair plus CRC funding.) [See details in the Information section of this report.]
 - o The **Schulich Ontario Graduate Scholarships** for full-time graduate students in Master's or Doctoral programs at Western who are conducting research in Medicine. (\$3,333,333 share of capital; 50 scholarships annually comprised of \$5,000 in annual funding and \$10,000 annually in matching funds each under the Ontario Graduate Scholarships and Ontario Graduate Scholarships in Science and Technology Programs.)
 - o The **Schulich Undergraduate OSOTF II Fund** (including matching endowment funds from the Government of Ontario) and the **Schulich Undergraduate Out-of-Province Fund** to support individual four-year continuing scholarships for students entering first year of the undergraduate Doctor of Medicine (MD) program based on academic achievement and demonstrated financial need. Between these two funds, approximately 15 four-year continuing scholarships will be awarded each year at a value of \$20,000 annually with a total value of \$80,000 per student over the four years of the scholarship. (\$6,666,666 share of capital and OSOTF II matching endowment funds; and \$3,200,000 share of capital respectively.) A total of 60 students will be in receipt of these scholarships at any one time.
 - o Up to \$466,668 in discretionary funding to be allocated by the University as prescribed within the agreement.
- \$5,000,000 upon or before Mr. Schulich's death by Schulich/Nevada or as a bequest by Mr. Schulich.
- All funds, expendable and endowed, will be held and managed by The University of Western Ontario. If on or before August 31, 2015, the remaining capital amount in **The Seymour Schulich Endowment** minus any and all matching capital paid into the endowment is less than \$15,000,000, Mr. Schulich and/or Nevada shall contribute an amount not exceeding \$5,000,000 to restore the original capital amount contributed by Mr. Schulich and/or Nevada.

NAMING OF THE SCHOOL OF MEDICINE

At the time of Mr. Schulich and/or Nevada's gift(s) for endowment totalling \$16,000,000 with future gifts totalling an additional \$10,000,000, the Board agreed that the University will, in recognition of this generous transformational gift, permanently and in perpetuity name the **Schulich School of Medicine** within the Faculty of Medicine & Dentistry, subject to final approval by Senate.

In doing so, and subject to Senate approval, the University will permanently divide the Faculty into two separate and distinct schools under the administrative structure of the Faculty of Medicine & Dentistry, being, respectively, a School of Dentistry and the *Schulich School of Medicine*.

The *Schulich School of Medicine* will be recognized as the sole School offering programs leading to a Doctor of Medicine (MD) degree granted by The University of Western Ontario.

WESTERN'S MATCHING ENDOWMENT FUNDING

The University shares Mr. Schulich's goal of student accessibility to a medical education and through this agreement commits to raising an additional \$17.8 million in nominal dollars by 2019 to fund additional Schulich Undergraduate Scholarships (OSOTF or Out-of-Province) in amounts on an individual basis equal to the awards established by Mr. Schulich.

These funds will be raised through additional private giving to undergraduate scholarships for the Schulich School of Medicine.

Western's obligations in nominal dollars will be cumulative year by year. If Western is meeting its cumulative obligations each year, even though in any specific year a targeted amount is not added to the endowment, Western will be deemed to have met its obligations. Separate discussions will be held to agree upon an appropriate present value assessment of this obligation, allowing Western to meet this obligation on an accelerated basis, with the objective of raising as much as possible of this obligation by 2009. A detailed present value and cumulative schedule is attached as an internal Western document.

SPECIAL COVENANTS

National Advisory Council

As part of the terms of this agreement, Western shall establish on or before August 31, 2005, a National Advisory Committee that will advise, on a non-legally binding basis, Western and the Schulich School of Medicine on policy and strategic direction in medical and medical science education and research. Western shall use its best efforts to ensure that such National Advisory Committee is comprised of prominent persons drawn from across Canada and elsewhere, including individuals from industry, university, government, professional and other affiliations. It is anticipated, and Western shall use its best efforts to have the National Advisory Committee provide a national and international forum for the formulation of strategy and policy in support of patient-centred and community-oriented focus of the Schulich School of Medicine.

Subject to the restrictions imposed by Section 5.07 of the agreement (below), one-fifth (1/5) of the members of such National Advisory Committee shall be nominees of Mr. Schulich or Nevada if the aggregate number of members of the committee is evenly divisible by the number five (5); and, if the number of members of such National Advisory Committee is not evenly divisible by the number five (5), one-fifth (1/5) plus one (1) of the members of such National Advisory Committee shall be nominees of Mr. Schulich or Nevada.

Section 5.07 **No Donor Participation:** Mr. Schulich and Nevada shall not participate actively in or be employed in the actual operations, day to day, of Western or the Schulich School of Medicine

Chair of Neuroscience & Mental Health

In recognition of this gift, the University will establish the *Tanna Schulich Chair of Neuroscience & Mental Health* to be funded annually and in perpetuity by the Faculty of Medicine & Dentistry to a minimum amount of \$100,000 (including the salary already being paid to the chair holder). This is an existing position funded by the Faculty of Medicine & Dentistry's budget. [See details in the Information section of this report.]

Medical Sciences Building Renewal and Expansion

As part of the terms of this agreement, Western will continue with its commitment to complete its capital renewal program for the Medical Sciences Complex, including:

- \$38,100,000 (including approximately \$16,700,000 already expended) for the renovation, renewal and/or refurbishment of the Medical Sciences Building;
- \$6,000,000 to purchase the Siebens-Drake Building; and
- \$3,100,000 to build or renovate a newly acquired facility to be used by the Schulich School of Medicine as a Clinical Skills Learning Facility.

APPROVAL AND ANNOUNCEMENT SCHEDULE

In order for the Schulich gift to be received, Board of Governors approval of the agreement was required on or by December 5, 2003, or the agreement between the donor and the University would become null and void. Under most circumstances, Senate approval would be sought prior to seeking Board approval, but the donor expressly wanted to maintain confidentiality until final details could be arranged. Since Senate proceedings are public, to meet this deadline and maintain the confidentiality of the gift in accordance with the Agreement, on November 27, 2003, the Board did approve the agreement, subject to Senate approval of the establishment and naming of the School of Medicine. Another provision of the gift was that Senate's approval would be sought no later than 15 days after the public announcement which was tentatively set as "spring 2004." If Senate were not to approve the establishment and naming of the Schulich School of Medicine at that time, then the agreement would be null and void.

MR. SEYMOUR SCHULICH

Seymour Schulich, 64, an entrepreneur and philanthropist, is Co-Founder of Franco-Nevada Mining Corporation and Chairman of Newmont Capital Limited.

Born in Montreal, Schulich received a Bachelor of Science degree in 1961 and a Masters of Business Administration in 1965, both from McGill University. He obtained his Chartered Financial Analyst degree from the University of Virginia in 1969.

His career began at the Shell Oil Company, and then Eastern Securities Ltd. Later, he joined the newly formed firm Beutel, Goodman & Company Ltd., where he became a partner and Vice-President. He moved with the company to Toronto in 1977. Today, Schulich is Vice-Chairman Emeritus of the company, one of the largest pension fund management companies in Canada.

In 1978, Schulich pioneered the concept of royalty payments in the mining industry and created two gold royalty companies, Euro-Nevada and Franco-Nevada in partnership with Pierre Lassonde. As Co-Founder, Chairman and Co-Chief Executive Officer of Franco-Nevada Mining Corporation, his team developed it into the largest royalty resource company in the world.

In 2002, Franco-Nevada merged with Normandy Mining Limited of Australia and Newmont Mining Corporation, creating the largest gold mining company in the world, Newmont Mining Corporation. Schulich is Director of Newmont Mining and Chairman of its merchant banking division.

A prominent Canadian philanthropist, Schulich has donated extensively to universities and health care centres across North America. He is the benefactor of the Schulich School of Business at York University; the Schulich Heart Centre at Sunnybrook and Women's College Health Sciences Centre in Toronto; the Library of Engineering and Science at McGill University; a student residence and a chemistry hall at the University of Nevada; and numerous student scholarships across Canada including The University of Western Ontario.

In March 2004, Western received a transformational gift of \$26-million from Seymour Schulich in support of its School of Medicine.

Schulich has more than 35 years experience in the natural resource business, having served on the boards of numerous oil and mining companies and many philanthropic organizations. His many accolades include being named “Mining Men of the Year” along with his business partner Pierre Lassonde in 1997; in 2001 he was the recipient of the St. George’s Society of Toronto “Award of Merit”; he was awarded The Order of Canada in 2000, the highest recognition a Canadian civilian can receive; and in 2003, he received an honorary degree from York University.

He is married to Tanna, his wife of 35 years. He has two daughters Deborah and Judith, and is grandfather to Jade and Solomon Steele.

2. **2004-05 University Operating and Capital Budgets**

Recommended: That Senate provide advice to the Board of Governors, through the Vice-Chancellor, recommending the approval of the 2004-05 University Operating and Capital Budgets (**Appendix 1 - orange cover**).

The Operating and Capital Budgets and setting of tuition fees are in the purview of the Board of Governors. The Senate may provide its advice to the Board under the authority of Section 30.(f) of the *UWO Act*:

The Senate may ... pass resolutions and make recommendations to the Board with respect to any matter connected with the administration of the University and the promotion of its affairs but this clause shall not be construed to subtract from the powers and duties conferred on the Board elsewhere in [the] Act.

Supplementary Information:

The following documents are attached for the information of Senate:

- [Student Fee Funded Units, Ancillaries, Academic Support Units, and Associated Companies](#) (*green cover page*)
- [Program Specific Tuition and Other Supplemental Fees](#) (*yellow cover page*)

FOR INFORMATION

1. **The Tanna Schulich Chair of Neuroscience & Mental Health**

In November 2003, the Senate Committee on University Planning approved, on behalf of the Senate, the establishment The Tanna Schulich Chair of Neuroscience & Mental Health in perpetuity at The University of Western Ontario, to be funded by the University under the terms of reference shown below.

The Tanna Schulich Chair of Neuroscience & Mental Health

Donor and Funding: Seymour Schulich has proposed to create the Seymour Schulich Endowment, to be held at The University of Western Ontario for the Faculty of Medicine & Dentistry. The gift will support graduate and undergraduate student awards and two Canada Research Chairs, funded in perpetuity. As part of the Faculty's commitment to the donor, the Faculty will fund annually and in perpetuity, at a level not less than \$100,000 per year [in 2004 dollars], The Tanna Schulich Chair of Neuroscience & Mental Health.

The University will use its best continuing efforts to secure Tier 1 Canada Research Chair status and funding for The Tanna Schulich Chair of Neuroscience & Mental Health under the Canada Research Chair program.

Effective Date: As early as January 1, 2004, but no later than June 30, 2005

Appointment: Appointments to The Tanna Schulich Chair of Neuroscience & Mental Health will be conducted in accordance with the appropriate University policies and procedures on academic appointments. The Chair will be affiliated with the School of Medicine, Faculty of Medicine & Dentistry, within the Medicine program. The appointment will be full-time with tenure, at the rank of Professor. The Chair holder shall assume the Chair position and be in residence at the University on or before August 31, 2005.

The University and donor commit to jointly reviewing the scientific designation of the Chair from time to time as appropriate, determining as necessary any change in area of research focus as is appropriate with changes in medical and scientific research emphases and needs of the University and society.

Reporting: The University, through the Faculty of Medicine & Dentistry will report to Seymour Schulich annually regarding the activities of the Chair.

"The Tanna Schulich Chair of Neuroscience & Mental Health" will be mentioned in all publications and public activities related to the Chair's work.

2. **Schulich Canada Research Chairs**

Schulich Canada Research Chairs

Donor and Funding: Seymour Schulich has proposed to create the Seymour Schulich Endowment, to be held at The University of Western Ontario. From the annual expendable income or capital of the proposed Seymour Schulich Endowment, \$100,000 shall be used annually to co-fund equally (i.e., \$50,000 to each) two Tier One Canada Research Chairs in the Faculty of Medicine & Dentistry to be named "The Edith Schulich Vinet Canada Research Chair in Human Genetics" and "The Dr. Brian W. Gilbert Canada Research Chair in Primary Health Care."

Funding for the Schulich Canada Research Chairs will be provided jointly by the proposed Seymour Schulich Endowment and the Canada Research Chair program (see below) developed by the federal government. As Tier One Canada Research Chairs, the two Chairs will also receive \$200,000 per year in support from the Government of Canada through the Canada Research Chair Program.

Effective Date: As early as January 1, 2004, but no later than September 1, 2005

Appointment: Appointments to the Schulich Canada Research Chairs will be conducted in accordance with the appropriate University policies and procedures on academic appointments and the terms of the Canada Research Chair program and funding for the Chairs will commence no later than September 1, 2005, and preferably, much earlier. The Chair will be affiliated with the Faculty of Medicine & Dentistry within the Medicine program.

The University and donor commit to jointly reviewing the scientific designation of the Chairs from time to time as appropriate, determining as necessary any change in area of research foci as is appropriate with changes in medical and scientific research emphases and needs of the University and society.

Reporting: The University, through the Faculty of Medicine & Dentistry will report to Seymour Schulich annually regarding the activities of the Chairs.

“The Edith Schulich Vinet Canada Research Chair in Human Genetics” and “The Dr. Brian W. Gilbert Canada Research Chair in Primary Health Care” will be mentioned in all publications and public activities related to the Chairs’ work.

Background – Schulich Donation:

Seymour Schulich has proposed a multi-million dollar gift to The University of Western Ontario. This proposed gift will be used to create an endowment sufficient to fund two Canada Research Chair positions and undergraduate and graduate scholarships, in perpetuity. The objectives of Mr. Schulich's philanthropy are to provide financial assistance to qualified students in financial need and to encourage pedagogical excellence.

Background – Canada Research Chairs:

The Government of Canada established the Canada Research Chairs Program in 2000. The Program was provided with \$900 million to support the establishment of 2,000 Canada Research Chairs positions at universities across the country by 2005. Western has been allocated 70 Canada Research Chairs in various disciplines. The key objective of the Canada Research Chairs Program is to enable Canadian universities, together with their affiliated research institutes and hospitals, to achieve the highest levels of research excellence to become world-class research centres in the global, knowledge-based economy.

3. **Annual Report on *Making Choices: Western's Commitment as a Research-Intensive University***

See [Appendix 2](#).

4. **Report of the Subcommittee on Priorities in Academic Development**

Academic Development Fund - New Research and Scholarly Initiative Award Major Grant Competition

The total budget for the Academic Development Fund New Research and Scholarly Initiative Award Major Grant competition in 2004-2005 is \$1,093,506. The sum available for allocation in 2004 is \$1,013,506 taking into account \$93,506 reverted to the ADF budget from unused portions of previous awards, and the allocation of \$80,000 to support the Small Grants Competition for 2004.

This year SUPAD reviewed 41 applications for funding under the ADF New Research and Scholarly Initiative Award, an increase from the previous year when 39 applications were received. Of the 41 applications, 18 were recommended for funding. The total amount requested by these 41 applicants was \$2,976,223 for 2004-2005.

As in previous years, SUPAD divided into three subgroups in order to facilitate the detailed review and preliminary ranking of the applications. The subgroups and the number of applications within each are noted below.

	<u>Applications</u>		<u>Funding</u>
	<u>Received</u>	<u>Recommended</u>	<u>Recommended</u>
Biosciences	16	8	\$382,334
Physical and Mathematical Sciences & Engineering	14	5	\$294,572
Social Sciences, Arts & Humanities	11	5	\$322,441
	<hr style="width: 50px; margin: 0 auto;"/> 41	<hr style="width: 50px; margin: 0 auto;"/> 18	
		Total:	<u>\$999,347</u>

Reports from a total of 73 arm's-length external referees contributed to the assessment of the projects this year. Applications involving computers were referred to the Senate Committee on Information Technology and Services (SCITS) for technical assessment. SUPAD met twice as a whole to evaluate the applications and related materials. Separate meetings of subgroups did preliminary evaluations.

The total amount of the awards recommended for 2004-2005 is \$999,347; details are provided on the attached table ([Appendix 3](#)).

Academic Development Fund - New Research and Scholarly Initiative Award Small Grant Competition

In the Spring 2003 Small Grant competition, 29 applications for ADF New Research and Scholarly Initiative Award Small Grant support were received from all constituencies for consideration for funding. Approximately \$80,000 was available for allocation. The requests for funding amounted to \$204,976; whereas a total of \$79,817 was awarded among the 11 applications approved for funding.

In the Fall 2003 Small Grant competition, 37 applications were received for consideration for funding. Approximately \$80,000 was available for allocation; whereas the requests amounted to \$258,555. Of the 37 applications received, 13 were approved for funding.

Funding recommendations for the Spring 2003 and Fall 2003 Small Grant competitions are shown on [Appendix 4](#) and [Appendix 5](#) respectively.

5. Report on First Choice Applications to Western

The Provost will provide an oral report at the Senate meeting.

ANNUAL REPORT ON *MAKING CHOICES*, WESTERN'S STRATEGIC PLAN

Dr. Paul Davenport
April 2004

Our recent employee communication survey, and meetings with individuals and groups on campus before and after the survey, indicate a desire for shorter communications in many areas. In response to those requests, this year's update on the Strategic Plan will be a summary of ten key issues taken from the priorities of *Making Choices*: Recruiting and Retaining the Best People (Faculty, Staff, Students, and Alumni) and responding to several key Strategic Issues in support of those priorities. Background material is available on the UWO website (uwo.ca/pvp/mc04.html). At one of the sessions, a staff member told me: "When you report on the Strategic Plan, do it in two pages, not twenty." Here goes.

Faculty Recruitment and Retention. Recruitment of tenured and probationary faculty continues to be strong, with 64 faculty hired so far in 2003-04, and searches underway in over 100 additional positions. Deans and Chairs report that the quality of new appointments is outstanding. The policy of paying one-half the first-year salary of new women faculty has been associated with a long desired increase in the percentage of female appointments (50% so far in 2003-04, as compared to 30% in 2002-03). Following Provincial cuts, tenured/probationary faculty numbers reached a low point of 839 in 1996-97; the number is currently at 953. A survey by the Vice-Provost (Policy, Planning, and Faculty) showed an annual rate of departure from Western for all reasons other than retirement to be roughly 2% for the period 1999-2000 to 2002-03. Faculty listed a wide variety of reasons for departing. A follow-up survey is planned.

Staff Recruitment and Development. Recruitment of full-time nonacademic staff will exceed departures this year for the sixth year in a row. Full-time staff reached a low point of 1,761 in 1997-98 and is currently at 2,030. During this period, staff in Faculties increased by 159, while all other staff increased by 110. Staff development involved a wide range of initiatives, including a very successful Staff Development Conference in February attended by over 700 staff members. At a number of events and receptions throughout the year we were able to acknowledge and celebrate the critical importance of staff to the attainment of the University's objectives.

Undergraduate Student Recruitment. Average entering grades from Ontario high schools rose for the tenth year in a row to 86.2 % in 2003-04. First-year full-time enrolment was a record 4,830 at the Constituent University in 2003-04, with an additional 1,795 in the Affiliated Colleges. The University remains committed to the targets of the Strategic Plan which will see us reduce first-year enrolment at the Constituent University to 4,350 in 2005-06. Total FTE Enrolment at Western including the Affiliates was 31,985 in 2003-04, an increase of 6,844 from the level of 25,141 in 1998-99. The New Academic Choices program will strengthen our ability to become Canada's premier residential university, as will the continuing leadership and volunteer opportunities for students at Western. The diversity of the student population has increased markedly over the last two decades.

Graduate Student Recruitment. While the University set out ambitious targets for graduate enrolment growth in the Strategic Plan, it has exceeded those targets during the last two years and expects to do so in the future. Full-time graduate enrolment has increased by 23.1% over the last five years and is expected to increase by 25.3% over the next five. A key issue here is full operating funding for additional graduate students, which will be a top priority for Western in our advocacy with the Province.

Alumni and Community Relations. The University has instituted programs to help strengthen the links between Western and its 200,000 alumni, including those in the London area: the Backpack 2 Briefcase Program initiated in 2002 has had hundreds of student participants; The Alumni Association and Western have launched the *London Young Alumni Careers* project with federal funding; the Alumni Association is working to establish Faculty-specific Alumni organizations; the Libraries have facilitated access to selected electronic resources for alumni, from both on- and off-campus locations. Western continues to work on improving the Alumni Gazette, the Purple Flash, and the Alumni page on the Western website as means of communicating effectively with alumni. University faculty, staff, and students continue to play leadership roles in a wide variety of agencies in the city, working to strengthen the town-gown connection.

Making Choices for a Research-Intensive University. In line with the Strategic Plan, the University has sharpened its tools for identifying academic priorities through the University-wide Strategic Research Plan, the Academic Plans in each Faculty, and the four-year Budget plan introduced this year, which sets out priority areas for hiring faculty members for the next four years. The University Priorities Investment Fund draws a clear link between priorities in Faculties and Support Units identified during the planning process and UPIF budgetary allocations over the next four years.

Leadership and Communications Initiatives. Two years ago the University began regular meetings of leaders and managers to discuss leadership and performance, and how Western's workplace culture could better support both individual and University objectives. A recent culture survey completed by over 760 employees showed a number of areas where improvement is required. The University is also following up on a web-based communications survey which showed a strong desire among Western employees for improved communications. One important result of the survey is that many Western employees feel they know little about how the Strategic Plan affects them and applies to their work.

Accessibility and Student Aid. The University continued to honor the Western guarantee that no undergraduate student will be unable to attend Western or be required to withdraw for financial reasons. At the graduate level, the University set a minimum support package of \$17,000 for all doctoral students; the average level of support from all sources for fundable students at the doctoral level in 2003 was \$23,557. Total student support in the central operating budget was \$36.5 million, an increase of 11.9% from the previous year.

Collaboration and Technology Transfer. Western continues to build on a strong tradition of interdisciplinary work and collaboration with other universities. London's outstanding success in two recent grant competitions (\$11 million from CIHR and \$34 million from CFI) result in large part from the ability of our faculty to work across disciplines and with partners from other institutions in London, Canada, and foreign countries. The Technology Transfer Advisory Council and the new Technology Transfer Fund are designed to help us improve performance in this important area.

Campaign Western. Phase 1 of our fundraising campaign concludes on April 30, 2004, having raised over \$300 million in private support of faculty recruitment and retention, student aid, matching grants for research, construction and renovation of academic space, and other University priorities. These funds have in turn helped to generate over \$150 million in additional funding for programs which support bursaries, graduate scholarships, research, and research chairs. The University's ongoing needs require that we keep up the momentum: Phase II of the Campaign will be launched at Homecoming this year.

**NEW RESEARCH AND SCHOLARLY INITIATIVE AWARDS
2004 - 2005 ACADEMIC DEVELOPMENT FUND GRANTS
MAJOR GRANT COMPETITION**

ADF NO	TITLE	DIRECTOR(S)/ACADEMIC UNIT(S)	AWARD
<i>BIOSCIENCES</i>			
04-102 ¹	New Speech Evaluation and Treatment Procedures in Parkinson's Disease	S. Adams / Communication Sciences and Disorders	\$ 39,000
04-104	Isothermal Titration Calorimeter for Protein Interactions	G.S. Shaw / Biochemistry	75,000
04-105 ²	Analysis of Chromatin Remodeling Activities in Development and Disease	F. Dick, N. Berube / Oncology, Paediatrics, Biochemistry	23,000
04-108 ³	Production of a transgenic Muti-Mouse for analysis of mutations <i>in situ</i>	K.A. Hill / Biology	57,481
04-110	QTL analysis of complex plant traits: development of novel technology	V. Grbic / Biology	45,000
04-111 ⁴	Time lapse videomicroscopy and Flexercell Tension System	V. Morris, et al. / Microbiology and Immunology, Physiology, Biology, Zoology	42,286
04-113 ⁵	Equipment to support the Environment Stress Biology Group	D.P. Maxwell / Biology	50,000
04-114	Development of Novel Biomedical Materials: Establishing a Multidisciplinary Research Facility	A.S. Rizkalla / Dentistry	50,567
100's SUB TOTAL			\$382,334
<i>PHYSICAL AND MATHEMATICAL SCIENCES, & ENGINEERING</i>			
04-201	Development of a Facility for Laboratory Measurements of Rain Impact and Migration on Buildings	D. Incelet / Civil and Environmental Engineering	37,257
04-204 ⁶	Glovebox	K.M. Baines / Chemistry	55,000
04-209 ⁷	Pathological joint loads in patients with osteoarthritis	T Jenkyn / Mechanical and Materials Engineering	79,660
04-212	Laboratory for Photonics of Surfaces and Interfaces	S. Mittler / Physics and Astronomy	47,969
04-215	Flexible Container and Fibre-optic Sensing System for Shaking Table Experiments	S.D. Hinchberger, M.H. El Naggar / Civil and Environmental Engineering	74,686
200's SUB TOTAL			\$294,572

**NEW RESEARCH AND SCHOLARLY INITIATIVE AWARDS
2004 - 2005 ACADEMIC DEVELOPMENT FUND GRANTS
MAJOR GRANT COMPETITION**

ADF NO	TITLE	DIRECTOR(S)/ACADEMIC UNIT(S)	AWARD
<i>SOCIAL SCIENCES, ARTS & HUMANITIES</i>			
04-302 ⁸	The Role of Physiological Measures for the Study of Motivation and Cognition in Social Psychological Research	R.M. Sorrentino / Psychology	45,655
04-305	Mapping Knowledge Communities: genealogical and intellectual connections in a historical context	D. Bellhouse / Statistical and Actuarial Science, Computer Science, Huron University College	50,005
04-306 ⁹	Validity and Reliability Testing of a Measure of Infants Daily Activities	D. Bartlett / Physical Therapy, Occupational Therapy	85,600
04-308	Exploring technical skill acquisition in a paediatric emergency department: A qualitative analysis	S. Bannister, D. Keegan / Paediatrics	59,222
04-351	Imag(in)ing London: Building Historical Geographic Information Systems for Exploring Urban Change	J. Gilliland / Geography	81,959
300's SUB TOTAL			\$322,441
TOTAL			\$ 999,347

1. **04-102** Assurances, approvals to be sought
2. **04-105** Assurances, approvals to be sought
3. **04-108** Assurances, approvals to be sought
4. **04-111** Assurances, approvals pending; amount of funding contingent on outcome of NSERC application
5. **04-113** Amount of Funding contingent on outcome of NSERC application
6. **04-204** Amount of funding contingent on outcome of NSERC application
7. **04-209** Assurances, approvals to be sought
8. **04-302** Assurances, approvals to be sought; Amount of funding contingent on outcome of SSHRC application
9. **04-306** Assurances, approvals to be sought; Amount of funding contingent on level of support from HSCF

**ACADEMIC DEVELOPMENT FUND - NEW RESEARCH AND SCHOLARLY INITIATIVE AWARD
- SMALL GRANTS COMPETITION -
SPRING 2003**

ADF NO.	PROJECT TITLE	DIRECTOR / ACADEMIC UNIT	AWARD
Biosciences			
SG03-14✳	A Preliminary Examination of the Relative Effectiveness of a Multidisciplinary Outpatient Team in the Assessment of Suicide Risk	J. Hoch / Epidemiology and Biostatistics	\$ 7,500
SG03-15	Assessment of Cardiac Valve Function in Neonatal Mice Using Ultrasound Micro-Imaging	J.C. Lacefield / Medical Biophysics	7,000
SG03-29✳	Animal Assisted Therapy and Dementia of the Alzheimer's Type	J.B. Orange / Communication Sciences and Disorders	5,935
SUB TOTAL			\$20,435
Physical & Mathematical Sciences and Engineering			
SG03-8	Characterization of Silica Phases in Naturally-Occurring Reactive and Non-Reactive Aggregates and Relevance to Alkali-Silica Reactivity in Concrete	R.L. Flemming / Earth Sciences	7,500
SG03-9	Unconformities at the Base of a Late-Orogenic Sedimentary Sequence: their Relation to Gold Mineralization and the State of the Ancient Atmosphere	P. Corcoran / Earth Sciences	7,500
SUB TOTAL			\$15,000
Social Sciences, Arts & Humanities			
SG03-10✳	Analysing AIDS in Africa using an Interactive Visualization Tool	K. Sedig / Information and Media Studies	7,500
SG03-11	CANADIAN ART SONG The Big Secret	J. Hess / Music	7,265
SG03-20	A Meaning Engine	J. Lamarche / French, B. Mercer / Computer Science	7,486
SG03-21	"Era Francesco Bacone". Arte Povera and the Baroque	J. Hatch / Visual Arts	7,448
SG03-22	Women and Nymphs: A Ritual <i>Katabasis</i> at Locri	B. MacLachlan / Classical Studies	7,500
SG03-25	Developmental Participant Pool	J.B. Morton / Psychology	7,183
SUB TOTAL			\$44,382
TOTAL			\$79,817

✳ = Encumbered Pending Assurances; Approvals

**ACADEMIC DEVELOPMENT FUND - NEW RESEARCH AND SCHOLARLY INITIATIVE AWARD
- SMALL GRANTS COMPETITION -
FALL 2003**

ADF NO.	PROJECT TITLE	DIRECTOR / ACADEMIC UNIT	AWARD
Biosciences			
FG03-6	Binding Site Analysis of a Novel Retinoblastoma Protein and E2F1 Transcription Factor Complex	F. Dick / Biochemistry, Pediatrics and Oncology	\$ 6,800
FG03-7	Osteopontin and integrin expression in salivary gland tumors	M. Darling / Pathology	4,702
FG03-9 †	Identification of cell death regulators implicated in the ATR-X mental retardation syndrome	N. Berube / Biochemistry	7,500
FG03-15 †	A Wideband Recording System for EEG from Intracranial Placed Electrodes	R.S. McLachlan / Clinical Neurological Sciences	7,500
FG03-16 †	Virulence Factor Genes of <i>Bacillus cereus</i>	T. Linn / Microbiology & Immunology	7,500
FG03-17 †	Y-polymerase Dpo4 and PCNAs in Translesion DNA Synthesis and Mutagenesis	H. Ling / Biochemistry	7,500
FG03-35 †	A Randomized Clinical Trial of the Treatment of Lateral Epicondylitis with the Dornier Epos Ultra Extracorporeal Shockwave Therapy Device (Pilot Study)	C. Lebrun / Kinesiology/ Family Medicine, Orthopaedics	7,265
		SUB TOTAL	\$48,767
Physical & Mathematical Sciences and Engineering			
FG03-1	Carbon Nanotube Circuits and Interconnects	W. Wang / Electrical & Computer Engineering	2,300
FG03-30	Laboratory for Photonics of Surfaces and Interfaces: the chirality sensor	S. Mittler / Physics & Astronomy	7,500
		SUB TOTAL	\$9,800
Social Sciences, Arts & Humanities			
FG03-20 †	A Qualitative and Quantitative Assessment of the Determinants of Dropping Out of University	W. Lehmann / Sociology	7,456

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ADF NO.	PROJECT TITLE	DIRECTOR / ACADEMIC UNIT	AWARD
FG03-21 †	An investigation of the complex cognitive and social-perceptual abilities of adult male violent offenders, non-violent offenders, and community controls	P.N.S. Hoaken / Psychology	3,800
FG03-25 †	Competency-based Human Resource Management in the Public Sector: The Case of Public Libraries in Canada	D.C. Chan / Faculty of Information and Media Studies	6,061
FG03-26	Separating Apples from Oranges: A Purchasing Trajectory-based Approach to Determining Customer Types and Profitability Levels	K. Antia, N. Dawar / Ivey Business School	6,940
SUB TOTAL			\$24,257
TOTAL			\$82,824

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