Founded in 1908, the University of Alberta has an enrolment of over 31,000 students and employs more than 10,500 staff. One of Canada’s largest research-intensive, full-service universities, the University of Alberta in 2000-01 attracted $255.5 million in external research funding, including clinical trials research and a partnership share in the research at Tri-Universities Meson Facility [TRIUMF] in Vancouver.

The largest post-secondary institution in the province, the University of Alberta is significantly increasing its research capability, expanding its industrial and government partnerships, and continues to be a major engine of economic development through the transfer of University-based technology and knowledge to the commercial sector.

Research Works is an acknowledgement of the many partners - industry, foundations, government agencies and other organizations - with and for which University of Alberta researchers carry out their work. It sets out the economic impact of the University’s research activity on the Edmonton, Alberta and Canadian economies. Research works in many ways, from bringing new technologies to market to providing employment to thousands of people in Edmonton and across Alberta.

Most of all, research works by accomplishing what a great university does best: creating and disseminating knowledge.
Since 1988/89, the University of Alberta has received more than $1.6 billion for research from external sources. The University has set itself a target of attaining a cumulative total of $2 billion in external research funding by the year 2005.

$2 Billion by 2005

The University of Alberta is among the top four Canadian universities in attracting external research funding.

* Includes $22.8 million from the Alberta Heritage Foundation for Medical Research

Total research funding from all sources: $255.5 M
Annual Research Funding
1996/97 - 2000/01

Over the past four years, annual research funding has increased by 96.7%.

Federal Granting Councils
University of Alberta Awards
2000-01 (in millions of dollars)

The University of Alberta is in the top five Canadian universities in research awards from the three federal government granting councils.

Total Funding: $64.5 million

- Canadian Institutes of Health Research: $23.3 M
- Natural Sciences and Engineering Research Council: $35.6 M
- Social Sciences and Humanities Research Council: $5.6 M
Research Puts People to Work

University of Alberta research funding is responsible for the creation of more than 8,000 direct and indirect jobs at the University of Alberta, in Edmonton and across Alberta. In 2000-01, some 2,524 University employees were paid through sponsored research funding:

- 1,550 were full-time staff
- 974 were part-time staff, of whom 635 were students combining the benefits of learning with an income, not including those on independent scholarships and the 290 students funded by the University as research assistants
- their salaries and benefits totalled more than $75.5 million

An estimated 5,500 full-time and part-time jobs have been created indirectly outside the University as a result of its sponsored research funding.

RESEARCH WORKS through Federal Networks of Centres of Excellence

University of Alberta researchers participate in 21 of the 22 federal Networks of Centres of Excellence (NCEs). The NCE program was begun in 1989, and in 1997 was made permanent by the federal government. NCEs are unique partnerships among industry, universities and government intended to develop the Canadian economy and improve our quality of life.

In 1999-2000, a total of 563 companies, 138 provincial and federal government departments and agencies, 46 hospitals, 98 universities, and more than 266 other organizations from Canada and abroad participated in the NCE program. The active involvement of Canadian industry provides exciting training environments and employment opportunities for students. In 1999-2000, the Networks stimulated outside investments in excess of $70 million, including more than $41 million from participating private sector companies.

The University of Alberta participates in the following NCEs:

- AUTO 21 - The Automobile of the 21st Century
- Canadian Arthritis Network (CAN/RCA)
- Canadian Bacterial Diseases Network (CBDN/RCRB)
- Canadian Genetic Diseases Network (CGDN/RCMG)
- Canadian Institute for Photonic Innovations (CIPI/ICIP)
- Canadian Institute for Telecommunications Research (CITR/ICRT)
- Canadian Language and Literacy Research Network (CLLRNet/RCRLA)
- Canadian Network for Vaccines and Immunotherapeutics (CANVAC)
- Canadian Stroke Network (CSN/RCCACV)
- Canadian Water Network (CWN/RCE)
- Geomatics for Informed Decisions (GEOIDE/réseau GÉOIDE)
RESEARCH WORKS 2001

- Health Evidence Application and Linkage Network (HEALNet/RELAIS)
- Institute for Robotics and Intelligent Systems (IRIS)
- Intelligent Sensing for Innovative Structures (ISIS)
- Mathematics of Information Technology and Complex Systems (MITACS/MaTISC)
- Mechanical Wood-Pulps Network
- Micronet - Microelectronic Devices, Circuits and Systems
- Protein Engineering Network of Centres of Excellence (PENCE)*
- Stem Cell Network (SCN/RCS)
- Sustainable Forest Management Network of Centres of Excellence (SFM/GDF)*
- TeleLearning Network of Centres of Excellence (RCE-Télé-apprentissage)

* headquartered at the University of Alberta

RESEARCH WORKS
...because of major contributions for research and endowed chairs

- Alberta Cancer Board Chair in Palliative Care
- Alberta Conservation Association Chair in Fisheries and Wildlife
- Alberta Construction Industry/NSERC Senior Industrial Research Chair in Construction Engineering and Management
- Alberta Heart Foundation Chair in Cardiovascular Research
- Alberta Petroleum Industry/NSERC Senior Industrial Research Chair in Petroleum Thermodynamics
- AltaRex/MRC Chair in Tumour Immunology
- Walter Stirling Anderson Chair in Surgery
- Astra Chair in Asthma Research
- Ronald K. Bannister Chair in Business
- Max Bell Foundation
- Belzberg Chair in Constitutional Law
- Biomira/MRC Chair in Immunoconjugates
- Breton Plots Endowment Fund
- Bristol-Myers Squibb Chair in Protein and Peptide Metabolism
- J.C. Callaghan Chair in Cardiothoracic Surgery
- Canada Research Chair in Alzheimer Research
- Canada Research Chair in Bioorganic Medicinal Chemistry
- Canada Research Chair in Broadband Wireless Communication Systems
- Canada Research Chair in Cell Biology
- Canada Research Chair in Computational Intelligence
- Canada Research Chair in Emergency Airway Diseases
- Canada Research Chair in Environmental Economics
- Canada Research Chair in Environmental Health and Bio-analytical Technology
- Canada Research Chair in Geometric Analysis
- Canada Research Chair in Interfacial Thermodynamics
- Canada Research Chair in Language and Literature in Society
- Canada Research Chair in Mathematical Biology
- Canada Research Chair in Mathematics Education and the Ecology of Learning
- Canada Research Chair in Membrane Biochemistry
- Canada Research Chair in Nanodynamics and Microscopy
- Canada Research Chair in Oilsands Engineering
- Canada Research Chair in Oncology
- Canada Research Chair in Physical Chemistry
- Canada Research Chair in Printmaking
- Canada Research Chair in Protein Structure and Function
- Canada Research Chair in Protobiotics and Food Safety
- Canada Research Chair in Self-Assembled Monolayers
- Canada Research Chair in Social Theory and Cultural Studies
- Canada Research Chair in Sport Management
- Canada Research Chair in Structural Biology
- Canada Research Chair in Swine Reproductive Physiology
- Canada Research Chair in Transplant Immunology
- Canadian Health Services Research Foundation/CIHR/AHFMR Chair in Evaluating Innovative Approaches to Nursing Care
- C.W. Carry Chair in Steel Structures
- Carthy Foundation Chair in Business
- Certified General Accountants of Alberta Chair in Accounting
- Chair in Bioethics
- Chair in Environmentally Sustainable Agriculture
- Chair in Industrial Safety and Loss Management
- Chair in Palliative Care Medicine
- Chair in Patient Health Management
- Chair in Petroleum Engineering
- Chartered Accountants Chair
- A.F. (Chip) Collins Chair in Finance
- Cooperative Chair in Agricultural Marketing and Business
- George M. Cormie Professor of Business
- Firefighters Chair in Burn Research
- Eldon D. Foote Chair in International Business/International Law
- George Ford Chair in Materials Engineering
- J. Alan Gilbert Chair in Medical Education
- Glaxo Wellcome Canada Inc. Chair in Viral Pathogenesis
- Thornton A. Graham Chair in Business
- Dr. J.T. Hugill Professorship in Pain Management
- Huculak Chair in Ukrainian Culture and Ethnography
- C.R. James/MPB Technologies/NSERC Senior Industrial Research Chair in Laser and Spectroscopic Techniques Applied to the Natural Resources Industry
- Stephen A. Jarislowsky Distinguished Chair in Finance
- The Killam Memorial Professorships (2)
- Micralyne/NSERC Senior Industrial Research Chair in Thin Film Engineering
- Stanley A. Milner Chair in Leadership
- Muttart Chair in Clinical Immunology and Autoimmunity
- Nova/NSERC Junior Industrial Research Chair in Welding and Corrosion
Canadian Industry invests in research linkages and partnerships at the University of Alberta

- NOVA/NSERC Senior Industrial Research Chair in Advanced Pipeline Materials
- David Peikoff Chair in Deafness Studies
- Peter H. Pocklington Chair in Free Enterprise
- Ernest E. and Gertrude Poole Chair in Management for Engineers
- Ernest E. and Gertrude Poole Professorship in Technology Management
- Strathcona County/R.U. Lemieux Chair in Carbohydrate Chemistry
- Syncrude/NSERC Senior Industrial Research Chair in Advanced Upgrading of Bitumen
- Syncrude/NSERC Senior Industrial Research Chair in Oil Sands Engineering
- Taiho Endowed Foundation (for Canada/Japan collaboration in pharmaceutical research)
- TELUS Chair in Strategic Management
- Henry Marshall Tory Chairs (various disciplines)
- Henri M. Toupin Chair in Neurological Science
- Tripartite Chair in Occupational Health
- The Variety Club and Northern Alberta Children’s Hospital Foundation Pediatric Clinical Research Professorship
- Westaim/ASRA/NSERC Industrial Research Chair in Biomaterials Engineering
- Westaim/ASRA/NSERC Industrial Research Chair in Biomechanical Engineering
- Winspear Foundation Distinguished Chair in Professional Accounting

- Adanac Corporate Services
- Agricore Cooperative Ltd.
- Agrium Inc.
- Alberta Barley Commission
- Alberta Cattle Commission
- Alberta Chicken Producers' Marketing Board
- Alberta Construction Industry
- Alberta Egg Producers' Board
- Alberta Elk Association
- Alberta Energy Ltd.
- Alberta Hatching Egg Marketing Board
- Alberta Milk Producers' Association Ltd.
- Alberta Motion Picture Industries Association
- Alberta Pacific Forest Industries Inc.
- Alberta Pork Producers' Development Corporation
- Alberta Pork Producers' Marketing Board
- Alberta Professional Outfitters Society
- Alberta Pulse Growers Association
- Alberta Turkey Producers' Marketing Board
- Albian Sands Energy Inc.
- Alcan International Ltd.
- Alliance Pipeline Ltd.
- Alternative Fuel Systems Inc.
- Amgen Canada Inc.
- Amoco Canada Petroleum Co. Ltd.
- Anderson Exploration Ltd.
- AnorMed Inc.
- Apex Engineering
- AstraZeneca
- AT Plastics Inc.
- Athabasca Tribal Council
• Aventis CropScience Canada
• Aventis Pharma Inc.
• BASF Canada Inc.
• Bayer Inc.
• BCY Ventures
• Beatrice Foods
• BHP Diamonds
• BioChem Pharma Inc.
• BioMega Inc.
• Biomira Inc.
• BioTools Inc.
• Bristol-Myers Squibb Canada Inc.
• Calgon Carbon Foundation
• Canadian Association of Petroleum Producers
• Canadian Broiler Hatching Egg Marketing Agency
• Canadian Cattlemen’s Association
• Canadian Forest Products Ltd. – Alberta
• Canadian Forest Products Ltd. – British Columbia
• Canadian Hunter Exploration
• Canadian Imperial Bank of Commerce
• Canadian National Railway
• Canadian Natural Resources Ltd.
• Canadian Pork Council
• Canola Council of Canada
• CEL Corporation
• C-FER Technologies Inc.
• Chai-Na-Ta Corp.
• Colt Engineering
• Computing Devices Canada
• CV Technologies Inc.
• Cytovax Biotechnologies
• Dairy Farmers of Canada
• Dayton & Knight Ltd.
• DNA Landmarks Inc.
• Dow Agrosciences Canada Inc.
• DuPont Canada Inc.
• Eli Lilly Canada Ltd.
• EPCOR
• Field Atkinson Perraton
• Foothills Forest
• Foothills Pipeline Ltd.
• Fort Mackay Industry Relations Corp.
• FTNI Inc.
• Fujisawa Canada Inc.
• Glaxo-Wellcome Inc.
• GlycoDesign
• Greey-Lightnin
• Gulf Canada Resources
• Hoffmann-La Roche Ltd.
• Husky Oil Operations Ltd.
• Imperial Oil Ltd.
• INCO Ltd.
• Inex Pharmaceuticals Corp.
• Insurance Corporation of British Columbia
• Isotechnika Inc.
• Janssen-Ortho Inc.
• JFE Biotech Inc.
• John Samuel and Associates Ltd.
• Kinetana Inc.
• Koch Exploration Canada Inc.
• Komex International Ltd.
• Lafrentz Road Services Ltd.
• Lincoln Associates Corp.
• Louisiana-Pacific Canada Ltd.
• MacDonald/Dettwiler and Associates Ltd.
• Manning Diversified Forest Products
• Matrikon Consulting Ltd.
• Maxima Pharmaceuticals
• Maxxam Analytics Inc.
• Merck Frosst Canada Inc.
• Metabolic Modulators Research Ltd.
• Micralyne Inc.
• Millar Western Industries Ltd.
• Mistik Management Ltd.
• Mountain Equipment Co-op Environmental Fund
• MPB Technologies
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• Natural Factors Nutritional Products Ltd.
• Netera Alliance
• Nilex Inc.
• Nortel Networks
• NOVA Chemicals Ltd.
• NOVA Gas Transmission Ltd.
• Novacor Research and Technology Corporation
• Novartis Pharmaceuticals Canada Inc.
• Ocean Nutrition Canada Ltd.
• Pacific Biotechnologies Inc.
• PanCanadian Petroleum Ltd.
• Paprican – Pulp and Paper Research Institute of Canada
• Peace Country Bison Association
• PE-TECH Inc.
• Pfizer Canada Inc.
• Phero Tech Inc.
• PHH Environmental Ltd.
• Poultry Industry Council
• Power Pool of Alberta
• Powertech Labs
• Rycor Technology Investments Corp. (now called BioMS Medical Corp.)
• Saskatchewan Elk Breeders’ Association
• Schlumberger Geco-Prakla
• Select Therapeutics Inc.
• Sensium Technologies
• Shell Canada
• SmithKline Beecham Pharma
• Société de l’assurance automobile du Québec
• Space Age Manufacturing and Marketing Inc.
• Suncor Canada
• Syncrude Canada Ltd.
• Synsorb Biotech Inc.
• TELLUS Corporation
• Toxcon Health Sciences Research Centre Inc.
• TRLabs
• TransCanada Pipelines
• TransCanada Transmission
• Trenchless Replacement Services Ltd.
• Ulster Petroleums Ltd.
• Waiword Steel Fabricators Ltd.
• Weldwood of Canada Ltd.
• Westaim Biomedical Corp.
• Western Grains Research Foundation
• Westglen Milling Ltd.
• Weyerhaeuser Canada Ltd.
• Wing Realty and Environmental Management
• Wyeth-Ayerst Research Canada

International Industry invests in research at the University of Alberta

• Allergan Sales Inc.
• Alza Corporation
• American Institute of Steel Construction
• Arbor Acres Farms
• Aventis Pharmaceuticals
• Celgene Corp.
• Cell Therapeutics Inc.
• Centocor, Inc.
• ChemTrace Corporation
• Clarion Health Partners
• Cobb-Vantress Inc.
• Dalidar Pharma Ltd.
• Degussa-Huels AG
• Destron Fearing Corp.
• Elf Aquitaine Inc.
• Esperion Therapeutics Inc.
• Florida Marketing International
• Fresenius Kabi AB
• Genomic Solutions Inc.
• Gist-Brocades BC
• Glaxo-Wellcome Inc.
• Gryphus Diagnostics LLC
• Hatch Associates, Inc.
• Hoffman-La Roche
• Inotek Technologies Corporation
• Isis Pharmaceuticals Inc.
• Islamic Development Bank
• Islet Sheet Medical PLC
• Kiwa Research and Consultancy
• Liposome Technologies Inc.
• Merck & Co. Inc.
• National Storage Industrial Consortium
• Neose Technologies Inc.
• Novartis Pharmaceuticals
• Oxagen Ltd.
• Palm Oil Research Institute
• Protein Design Labs
• PWN Water Supply Co.
• R & L Carriers
• Research Corporation Technologies
• Rigel Pharmaceutical Inc.
• Ross Breeders Inc.
• Sertoli Technologies Inc.
• SMB Technology
• SmithKline Beecham Biologicals
• SmithKline Beecham Pharma Inc. (UK)
• SmithKline Beecham Pharmaceuticals (USA)
• Swedish Nuclear Fuel and Waste Management Co.
• Texaco Inc.
• UOP Engineering Products
• Veritas DGC Ltd.
• Vermeer Manufacturing
• Wyeth-Ayerst Research

Canadian not-for-profit Associations, Institutes and Foundations make research work at the University of Alberta

• Agriculture and Food Council
• Alberta Advisory Committee for Educational Studies
• Alberta Conservation Association
• Alberta Fire Training School
• Alberta Foundation for Diabetes Research
• Alberta Gaming Research Institute
• Alberta Informatics Circle of Research Excellence (iCORE)
• Alberta Law Foundation
• Alberta Lung Association
• Alberta Medical Association
• Alberta Museums Association
• Alberta Paraplegic Foundation
• Alberta Sport, Recreation, Parks and Wildlife Foundation
• Aplastic Anemia Association of Canada
• Archives Society of Alberta
• Arthritis Society
• Association of Adult Day Programs
• Association of Hemophilia Clinic Directors of Canada
• Association of Universities and Colleges of Canada
• Bebensee I D Foundation
• Bissell Centre (Edmonton)
• Boyle-McCauley Health Centre
• Canadian Academic Accounting Association
Canadian Agricultural Food Research Industry Council
Canadian AgriFood Research Council
Canadian Association of Gastroenterology
Canadian Association of Special Libraries and Information
Canadian Atherosclerosis Society
Canadian Chiropractic Protective Association
Canadian Council of Cardiovascular Nurses
Canadian Cystic Fibrosis Foundation
Canadian Dermatology Foundation
Canadian Diabetes Association
Canadian Digestive Disease Foundation
Canadian Health Services Research Foundation
Canadian Institute for Advanced Research
Canadian Library Association
Canadian Liver Foundation
Canadian Lung Association
Canadian Mental Health Association
Canadian Psychiatric Research Foundation
Canadian Society for Chemistry
Cancer Research Society Incorporated
Childhood Asthma Association
Children's Health Foundation of Northern Alberta
Chiropractors' Association of Saskatchewan
College of Physicians and Surgeons of Alberta
Crohn's and Colitis Foundation of Canada
Danone Institute of Canada
Ducks Unlimited Canada
Edmonton Civic Employees Charitable Assistance Fund
Edmonton Community Foundation
Environmental Science and Technology Alliance Canada (ESTAC)
Firefighters Burn Treatment Society
Foundation Fighting Blindness
Friends of Banff National Park
Friends of Elk Island Society
Friends of the University of Alberta Museums
Habitat Conservation Trust Fund
Hannah Institute for the History of Medicine
Heart and Stroke Foundation of Alberta
Heart and Stroke Foundation of Canada
Henri M. Toupin Foundation
Hospital for Sick Children Foundation
Imperial Oil Charitable Foundation
Institute of Health Economics
International Society of Aboriculture (Canada)
Juvenile Diabetes Foundation of Canada
Kidney Foundation of Canada
Leukemia Research Foundation of Canada
McLaughlin (R. Samuel) Foundation
Medical Council of Canada
Metis Nation of Saskatchewan Secretariat
Molly Towell Perinatal Research Foundation
Medical Services Institute (MSI) Foundation
Multiple Sclerosis Society of Canada
National Cancer Institute of Canada
Neuroscience Canada Foundation
Ontario Prevention Clearing House
Parkinson Society Canada
Peter Jacyk Education Foundation
Royal Purple Elks of Canada
Schlumberger Foundation, Inc.
Social Sciences and Humanities Federation of Canada
Sport Medicine Council of Alberta
Suncor Energy Foundation
Universiade '83 Foundation Inc.
University of Alberta Hospital Foundation
Weyerhaeuser Co. Foundation
Wood Buffalo Environmental Association
World Wildlife Fund Canada
International not-for-profit Associations, Institutes and Foundations are partners in research at the University of Alberta

- African Economic Research Consortium
- Alcoholic Beverage Medical Research Foundation
- Almond Board of California
- American Association of Colleges of Pharmacy
- American Association of Orthodontists Foundation
- American Brain Tumor Association
- American Chemical Society
- American College of Physicians
- American Society of Heating, Refrigerating and Air-Conditioning Engineers
- American Society for Mass Spectrometry
- American Water Works Association Research Foundation
- Ara Parseghian Medical Research Foundation
- Association of Field Ornithologists
- Brigham and Women's Hospital
- Chiang Ching Kuo Foundation
- Colombia, Corona Foundation
- Francis Families Foundation
- Howard Hughes Medical Institute
- Human Frontier Science Program Organization
- International Association of Firefighters Burn Foundation
- International Ozone Association Inc.
- Juvenile Diabetes Foundation International
- March of Dimes
- May and Stanley Smith Charitable Trust
- Polycystic Kidney Research Foundation
- Roche Organ Transplantation Research Foundation
- Scoliosis Research Society
- Society of Wetland Scientists
- Spinal Cord Research Foundation
- Wildlife Conservation Society
- Yellowstone Park Foundation

Governments at all levels in Canada and the world help research work at the University of Alberta

- Alberta Agricultural Research Institute
- Alberta Agriculture, Food and Rural Development
- Alberta Cancer Board
- Alberta Community Development
- Alberta Economic Development
- Alberta Energy Research Institute
- Alberta Energy and Utilities Board
- Alberta Environment
- Alberta Farming for the Future
- Alberta Gaming
- Alberta Health and Wellness
- Alberta Heritage Foundation for Medical Research
- Alberta Infrastructure
- Alberta Ingenuity Fund
- Alberta Innovation and Science
- Alberta Learning
- Alberta Municipal Affairs
- Alberta Oil Sands Technology and Research Authority
- Alberta Research Council
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- Alberta Science and Research Authority
- Austrian Federal Ministry of Science and Transport
- BC Hydro
- British Columbia Ministry of Forests
- Canada-Alberta Hog Industry Development Fund
- Canada Foundation for Innovation
- Canada Research Chairs
- Canadian Council of Archives
- Canadian Employment Insurance Commission
- Canadian Forces Personnel Support Agency
- Canadian Institutes of Health Research (CIHR)
- Canadian Space Agency
- Capital Health Authority (Edmonton)
- Chinook Regional Health Authority
- City of Edmonton
- City of Kelowna
- Defense Research Establishment Suffield
- Department of National Defense (Canada)
- Edmonton Regional Airports Authority
- Environment Canada
- Foreign Affairs and International Trade Canada
- Geological Survey of Canada
- Government of Alberta
- Government of Canada
- Government of Saskatchewan
- Government of the Yukon
- Health Canada
- Human Resources Development Canada
- Indian and Northern Affairs Canada
- Justice Canada
- Kenya, International Centre for Research in Agroforestry
- MaMowe Capital Region Child and Family Services
- National Health Research and Development Program (NHRDP)
- National Institutes of Health (U.S.)
- National Library of Canada
- National Kidney Foundation (U.S.)
- National Research Council of Canada (NRC)
- Natural Resources Canada
- Natural Sciences and Engineering Research Council of Canada (NSERC)
- North Atlantic Treaty Organization (NATO)
- Northern Lights Regional Health Authority
- Ottawa Regional Cancer Centre
- Parks Canada
- Public Works and Government Services Canada
- Saskatchewan Government Insurance
- Social Sciences and Humanities Research Council of Canada (SSHRC)
- United States Department of Agriculture, Forest Service
- United States Department of the Army
- United States Department of Commerce
- Western Economic Diversification Canada
- Workers’ Compensation Board of Alberta
Collaboration

Collaborative activities with other post-secondary institutions world-wide helps research work at the University of Alberta.

- Bangladesh University of Engineering & Technology (Bangladesh)
- Chiba University (Japan)
- Chinese Academy of Forestry (People's Republic of China)
- Chinese National School of Administration (People's Republic of China)
- Chinese University of Hong Kong
- Chulalongkorn University (Thailand)
- Columbia University (USA)
- Dalhousie University
- Hokkaido University (Japan)
- Instituto Tecnologico y de Estudios Superiores de Monterrey (ITESM) (Mexico)
- Irkutsk State University (Russia)
- Johns Hopkins University School of Medicine (USA)
- King Mongkut University (Thailand)
- KonKuk University (Korea)
- McGill University
- Meharry Medical College (USA)
- Meiji University (Japan)
- National University of Mexico
- National University of Singapore
- Northern Alberta Institute of Technology
- Polish Academy of Sciences (Poland)
- Prince of Songkla University (Thailand)
- Queen's University
- Sapporo Medical University (Japan)
- Shizuoka University (Japan)
- Simon Fraser University
- Temple University (USA)
- Trent University
- Tsukuba University (Japan)
- Universidad Peruana Cayetano Heredia (Peru)
- Université Catholique de Lille (France)
- Université de Québec
- Université de Québec à Montréal
- Université de Sherbrooke
- Université Laval
- University of British Columbia
- University of Calgary
- University of California at San Diego (USA)
- University of California at San Francisco (USA)
- University of Chile
- University of Connecticut (USA)
- University of Guadalajara (Mexico)
- University of Guelph
- University of Illinois at Chicago (USA)
- University of Innsbruck (Austria)
- University of Lethbridge
- University of London, Royal Holloway College (UK)
- University of Manitoba
- University of Melbourne (Australia)
- University of Minnesota (USA)
- University of Ottawa
- University of Pennsylvania (USA)
- University of Regina
- University of Saskatchewan
- University of Toronto
- University of Victoria
- University of Washington (USA)
- University of Waterloo
A University of Alberta spin-off company is an incorporated commercial entity which derives a significant portion of its commercial activities from the application or use of a technology and/or know-how developed by or during a University of Alberta research program.

**Economic Diversification**

At the end of the 2000-01 fiscal year, the University held equity in 27 spin-off companies with an estimated value of $10.4 million. Eight spin-off companies are now publicly traded with a market capitalization of more than $1 billion.

Active University of Alberta spin-off companies: 54

- Direct jobs in spin-off companies (approximate): >1,000
- Indirect jobs created by spin-off companies: 2,850

**Research Works for economic diversification**

At the end of the 2000-01 fiscal year, the University held equity in 27 spin-off companies with an estimated value of $10.4 million. Eight spin-off companies are now publicly traded with a market capitalization of more than $1 billion.

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- Direct jobs in spin-off companies (approximate): >1,000
- Indirect jobs created by spin-off companies: 2,850

**Active University of Alberta Spin-off Companies**

(31 March 2001)

<table>
<thead>
<tr>
<th>Company</th>
<th>Year Founded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acugene Inc./Acugenic Inc.</td>
<td>1997</td>
</tr>
<tr>
<td>AgriGenomics Inc.</td>
<td>1999</td>
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<tr>
<td>Alberta Asthma Centre</td>
<td>1997</td>
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<tr>
<td>Altamat Inc.</td>
<td>1991</td>
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<tr>
<td>AltaMet</td>
<td>1999</td>
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<tr>
<td>AltaRex Corp.</td>
<td>1995</td>
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<tr>
<td>AVRA Software Lab Inc.</td>
<td>1998</td>
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<tr>
<td>Biomech Designs Ltd.</td>
<td>1982</td>
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<tr>
<td>Biomira Inc.</td>
<td>1985</td>
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<tr>
<td>Biomotion Ltd.</td>
<td>1994</td>
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<tr>
<td>BioMS Medical Corp.</td>
<td>2000</td>
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<tr>
<td>(formerly Rycor)</td>
<td></td>
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<tr>
<td>BioTools Inc.</td>
<td>1996</td>
</tr>
<tr>
<td>Boreal Laser Inc.</td>
<td>1988</td>
</tr>
<tr>
<td>CanBiocin Inc.</td>
<td>1997</td>
</tr>
<tr>
<td>Cardio Metabolic Inc.</td>
<td>2000</td>
</tr>
<tr>
<td>C-FER Technologies Inc.</td>
<td>1983</td>
</tr>
<tr>
<td>Chinook Multimedia Inc.</td>
<td>1996</td>
</tr>
<tr>
<td>CV Technologies Inc.</td>
<td>1992</td>
</tr>
</tbody>
</table>
University of Alberta commercialization achievements

In 2000-01 . . . .
• $40.2 million in industry-sponsored research
• 53 Reports of Invention
• 182 Licenses, Options and Agreements
• 93 patents filed (all countries)
• 17 patents issued (all countries)
• 1,148 research agreements executed
• $7.6 million in licensing income received
  (3-year rolling average annual licensing income: $4.3 million)
• 8 spin-off companies formed

Since 1994 . . . .
• More than $194 million in industry-sponsored research
• 524 invention disclosures
• 1,300 Licenses, Options, and Agreements signed
• 122 Canadian, United States and international patents issued
• More than $22 million in royalty and licensing revenues
• 47 spin-off companies formed
Current research

The University of Alberta has long performed research in disciplines (both traditional and emerging) with the potential for economic impact on Alberta and the world. Examples of current research include:

Agriculture, Food and Nutrition
- The use and risk of hybrid poplars, aspens and exotic populus series
- Canadian wheat export prospects in the Asian noodle market: analyzing Japanese and Korean milling industries
- Genetically modified foods: consumers’ attitudes and labelling issues
- Evaluating management strategies for controlling Canada Thistle on pastures
- New approaches to the evaluation of stress and stress resistance in beef cattle
- Reducing feed costs by enhancing the nutritional value of barley

Humanities, Social Sciences, Society
- Productive activity later in life
- Welfare to work: implications for pre-school children’s health and development
- Nutrition education for social change: women and body image
- What the past holds for the future: eighty years of change in Jasper National Park
- The relationship between workers’ control over their working hours and their health
- Canadian youth, sexual health and HIV/AIDS study
- Exploring and addressing the legal, ethical, and policy concerns associated with the commercialization of human genetic research
- Physical activity as a smoking cessation strategy for teenage girls

Forestry
- Caribou conservation in west-central Alberta: a forest management perspective
- Effects of intensive management on forest structure, composition and biodiversity in the western boreal forest
- Social consequences of local ownership of Canadian forest product mills
- The spatial structure of plant communities
- Effect of forest structure on dynamics of tent caterpillar populations

Environment
- Drinking water disinfection and control of waterborne parasites
- Development of nutrient guidelines for Canadian rivers
• Grizzly bear management and conservation: understanding the links between population, behaviours, habitat and landscape structure with geospatial tools
• Developing a habitat-based population viability model for sage grouse in southern Alberta
• Forecasting severe convective storms and hail in the Canadian prairies
• Atmospheric conditions and their implications for human health

Applied Science and Technology
• Improvement of the cracking resistance of various road marking formulations
• Behaviour, design and assessment of pipelines
• Broadband wireless communications systems
• Novel techniques for visual data compression, retrieval and transmission
• Advanced technologies for managing power transmission services under new electricity market structures
• An outdoor mobile robot system for surveying and military support
• Establishment of a mentoring and professional development program for the television and film industry in Alberta
• Building high-performance artificial intelligence systems

Health Sciences and Biotechnology
• Recovery of locomotor function after spinal cord injury
• Genetic factors in liver disease
• Spinal cord injury in Alberta: a longitudinal study of health resource utilization
• Bridging the gap between emergency departments and primary care physicians for asthma: a model to enhance integrated asthma care
• Investigations of antidepressants used in post-stroke depression
• Ethics, law and policy of reproduction: promoting the health of women and children
• Development of non-rejectable skin substitute as a wound coverage for burn wounds in children
• Islet cell transplantation
• The application of molecular biology to develop new tools for genomic research
• Physical exercise in cancer prevention and control
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