



2003 Alberta Ingenuity
2006 **Triennial Report**



Contents

About Alberta Ingenuity	5
Mandate	5
What We Support	5
Accountability	5
Endowment Approach	5
Ingenuity Programs	6
Centres	6
Scholars	6
New Faculty Awards	6
Fellowships	6
Industry Associates	6
Student Scholarships	6
Growth, Change and Impact: 2003–2006	7
Programs and Personnel	7
Access to the Future Act	8
Water Centre	8
Scholar Program	8
New President	9
In Situ Energy Centre	9
Managing Major Government of Alberta Initiatives	9
Building a Science Culture: Creating a Culture of Curious Innovators	9
Review of Funding Programs	9
High Program Standards	10
Board of Trustees	11
Advisory Council	12
Review Committees	13
Funding Recipients	16
Financials	28
Statement of Financial Position	28
Statement of Operations	29
Statement of Cash Flow	30

2003
2006

About Alberta Ingenuity

Alberta Ingenuity Fund is the tradename of the Alberta Heritage Foundation for Science and Engineering Research, established by the Government of Alberta in 2000 to support science and engineering research of the highest calibre and create a prosperous future for the province. It draws funding from a \$500 million endowment to build the capacity for innovation, especially in areas with long lasting social and economic impact.

Mandate

Alberta Ingenuity was established to develop internationally competitive science and engineering expertise in the province. Ingenuity is helping to nurture the discovery of new knowledge and supports its application to benefit Albertans.

Alberta Ingenuity has five main objectives:

- Promoting the effective use of existing provincial science and engineering resources
- Supporting Alberta's science and engineering research facilities
- Encouraging cooperation in science and engineering research to minimize duplication and promote efficiency
- Encouraging young Albertans to pursue careers in science and engineering
- Attracting top graduate students and researchers to Alberta

What We Support

Alberta Ingenuity supports the highest quality basic and applied research in science and engineering disciplines through its awards programs.

These programs are developed in conjunction with the international Science and Engineering Advisory Council and the Alberta research community to maintain the competitiveness of Alberta's universities, colleges and technical institutes, and to help recruit bright new researchers and encourage scientific leaders to stay in the province.

All applications are evaluated using a rigorous peer review system. Each application is assessed for quality by external experts and by review committees with representatives from Alberta and abroad. The review committees forward their recommendations to the Board.

Accountability

Alberta Ingenuity is accountable to Albertans and reports to the Government of Alberta through the Minister of Innovation and Science. An annual report is submitted to the Legislative Assembly of Alberta and a more comprehensive triennial report is produced every three years. An International Board of Review also assesses Ingenuity operations every six years.

Endowment Approach

The Alberta Ingenuity endowment fund operates like a trust fund generating income from the invested principal. A portion of the earnings from the endowment is used to support Alberta Ingenuity activities, primarily awards programs that support science and engineering research within Alberta.

Alberta Ingenuity is a conscientious steward of the endowment. The spending rule in place allows Ingenuity to spend 4.5 per cent of the market value of the endowment annually, based on the average value of the fund in the three preceding fiscal years.

The endowment is managed by the Investment Management Division at Alberta Finance, and Alberta Ingenuity works with the division to ensure maximum performance of the endowment.

Ingenuity Programs

Alberta Ingenuity funds internationally competitive research programs with a commitment to the discovery of new knowledge, ideas and products. These programs are designed to:

- Help Alberta universities, colleges and industry recruit new researchers
- Provide start-up support to new independent researchers at Alberta universities and colleges
- Support students in their first year of graduate studies and new students coming to Alberta
- Support groups of outstanding researchers from universities, colleges and industry, with interdisciplinary scope and vision, who work in areas of strategic importance to Alberta

Alberta Ingenuity offers the following programs:

Centres

The Alberta Ingenuity Centre program offers major grants to outstanding research groups at universities and colleges working in areas of strategic importance to Alberta. These Centres give Alberta universities and colleges a competitive edge for recruiting highly-qualified researchers. Over time, the Centres will also contribute to Alberta's economic diversification and growth, and an improved quality of life for Albertans.

Scholars

The Alberta Ingenuity Scholar program provides resources to help universities and colleges recruit highly qualified researchers to build or strengthen outstanding research groups.

The strategic intent of the program is to attract the world's best researchers and innovators in areas of strategic importance to the province. These research leaders will bring further research funding to the province, thereby increasing the critical mass of research and providing a degree of leadership and focus to research efforts in Alberta.

New Faculty Awards

The Alberta Ingenuity New Faculty Award program expands and strengthens Alberta's science and engineering research capacity by providing start-up support to independent investigators who are in their first academic career appointment.

Fellowships

The Ingenuity Fellowship program provides an opportunity for science and engineering researchers to obtain their first postdoctoral and advanced research experience.

Industry Associates

The Alberta Ingenuity Industry Associates program addresses the increasing research personnel needs of Alberta industry. Through this program, Alberta companies are able to recruit recent Master's and PhD graduates to conduct research that benefits the organization.

The program's primary objective is to increase the research expertise in Alberta-based companies and transform new discoveries into innovative products and business opportunities.

Student Scholarships

The Alberta Ingenuity Student Scholarship program provides top students research training experience in a natural science or engineering discipline. The program supports outstanding students as they undertake full-time research training at an Alberta university leading to a Master's or Doctoral degree.

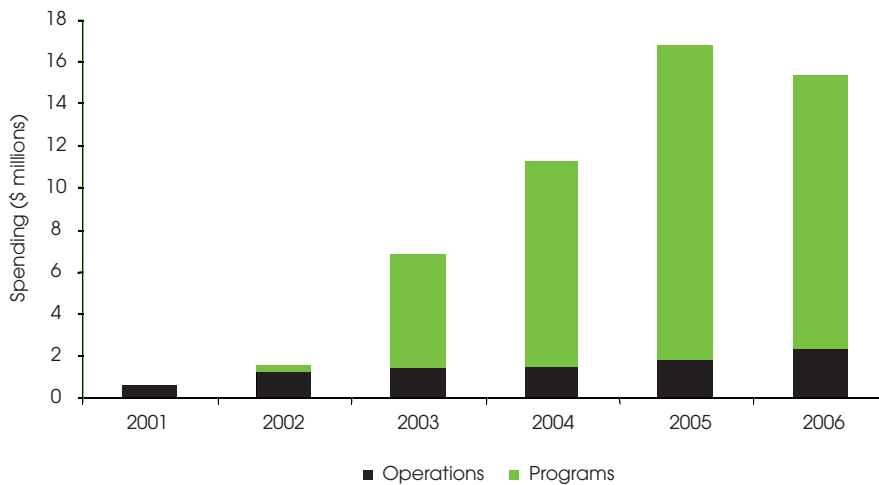
Growth, Change and Impact: 2003–2006

Alberta Ingenuity has seen significant growth between 2003 and 2006, and the following are some key areas of growth, change and impact for the organization.

Programs and Personnel

In its first triennial period of operations (2001-03), Alberta Ingenuity expenditures totaled \$8.8 million, which increased significantly during its second triennial period (2004-06) to \$43.1 million. Over that time period, operational and administrative costs remained consistent but the major increase was spent on program development. To address the significant program growth, Ingenuity expanded its staff from 7 to 15 employees.

Spending by Year



Access to the Future Act

In February 2005, the Government of Alberta enacted Bill 1, the *Access to the Future Act*, wherein an additional \$500 million was committed to Ingenuity's endowment. In December 2005, the first \$100 million installment was delivered to Alberta Ingenuity under this Act.

Water Centre

On October 15, 2003, Alberta Ingenuity announced the establishment of the new Alberta Ingenuity Centre for Water Research to focus on the health of freshwater systems in the province. The pan-Alberta initiative is building on the work of leading scientists and engineers at the University of Alberta, University of Calgary and the University of Lethbridge, and is expected to attract some of the world's top water research specialists to the province. The main focus of the research involves watersheds, water ecology, safety of water and wastewater, and the human dimensions of economics, policy and risk.

Scholar Program

Alberta Ingenuity launched its Scholar program in 2003 to help attract the world's best researchers and innovators in areas of strategic importance to the province. These researchers provide leadership and focus to Alberta's research efforts, help attract additional research funding and build research capacity.

Dr. Pedro Pereira-Almao

*University of Calgary, Chemical and Petroleum Engineering
Alberta Ingenuity Scholar Start Date: July 2003*

Pereira, a native of Venezuela, received his early training in France under one of the world's leading chemists, Dr. Raymond Maurel. His undergraduate degree, and his doctorate in heterogeneous catalysis from L'Universite de Poitiers in France, laid the early foundation for his work in catalysts and catalytic processes development. While at the Venezuelan Petroleum Research Centre, Pereira co-invented two major technologies — Aquaconversion and HDHplus — which involve the use of steam or hydrogen and ultra-dispersed catalysts for heavy oil upgrading. His work at the Alberta Ingenuity Centre for In Situ Energy is building an applied catalysis centre for upgrading and hydrogen generation at the University of Calgary.

Dr. David Coltman

*University of Alberta, Biological Sciences
Alberta Ingenuity Scholar Start Date: July 2004*

David Coltman was recruited back to Canada from the United Kingdom to provide a key leadership role in the development of a centre in environmental management. His research focuses on developing molecular and analytical tools for studying adaptive evolution in wildlife to help understand how organisms adapt to changing environmental conditions. Coltman's expertise in molecular and population genetics complements ongoing research at the University of Alberta on advanced spatial and temporal modeling of environmental change.

Dr. Steven Kuznicki

*University of Alberta, Chemical & Materials Engineering
Alberta Ingenuity Scholar Start Date: July 2004*

In 2004, Steven Kuznicki left his 20-year plus career in industry to pursue academia. He is a world authority in separation technology and is spearheading a comprehensive research program on separation issues and opportunities in the oilsands. Cost effective separation and conversion processes are key to improved extraction and conversion of oilsands products. Kuznicki is regarded as the world authority on mixed coordination molecular sieves and has presented seminars in these materials and their properties to over a dozen universities and dozens of companies. He holds more than 25 US patents related to his discoveries in this area.

Dr. Stephen Larter

*University of Calgary, Geology and Geophysics
Alberta Ingenuity Scholar Start Date: July 2004*

Steve Larter was recruited to Alberta from the University of Newcastle-upon-Tyne in the United Kingdom. At the University of Newcastle and the University of Oslo, Larter founded and led collaborative petroleum geology research groups externally funded by the oil and gas industry. Since his move to Calgary, Larter has attracted the core of his Newcastle research group to his lab. Their research focus is a more detailed understanding of the natural processes that cause the degradation of conventional crude oils to heavy oils. This understanding is helping develop new and more efficient means of extracting Alberta's heavy oil reserves. Larter has worked in research environments in both academia and industry in Europe and the US and maintains collaborative links in Europe, Asia and the US.

New President

Peter Hackett replaced a retiring Bill Bridger as President of Alberta Ingenuity in October 2004. Prior to joining Ingenuity, Dr. Hackett was Vice-President Research at the National Research Council of Canada since January 1997, where his portfolio included biotechnologies, information and telecommunication technologies, manufacturing technologies, molecular sciences, and national measurement standards. Dr. Hackett is known in Alberta for his instrumental role in bringing the National Institute for Nanotechnology to the University of Alberta.

In Situ Energy Centre

In October 2004, Alberta Ingenuity announced a \$9 million investment to establish a major new energy research centre based at the University of Calgary. The Alberta Ingenuity Centre for In Situ Energy was created to bring together top researchers to study more efficient, cost-effective, and environmentally sustainable processes and technologies to improve recovery and upgrading of Alberta's vast bitumen reserves. Ingenuity Scholars Stephen Larter and Pedro Pereira-Almao were recruited to lead the Centre's pan-Alberta research program, which aligns with the province's energy, climate change and water strategies.

Managing Major Government of Alberta Initiatives

In addition to its main programs, Alberta Ingenuity also manages major initiatives on behalf of the Government of Alberta. The first initiative was announced in February 2005 — the Alberta Prion Research Institute.

The discovery of a cow on an Alberta farm with bovine spongiform encephalopathy (BSE) in 2003 had serious implications for the province. Trade borders were closed, herds were killed and public food safety concerns escalated. The situation also brought to light just how little was really known about the cause, spread and prevention of the disease, and its connection to related animal and human issues.

The Alberta Prion Research Institute is a \$35 million initiative to help tackle those issues and find solutions. Operated by Alberta Ingenuity, the Prion Institute was established to coordinate fundamental, applied and multidisciplinary

research geared toward providing solutions and models of policy action that can meet the BSE challenge for the beef and food industries, and similar challenges from other transmissible spongiform encephalopathy and other diseases in animals and humans related to protein misfolding.

Building a Science Culture: Creating a Culture of Curious Innovators

Building a strong science culture in the province is a priority for Alberta Ingenuity, and Ingenuity works to engage the public and research community, as well as encourage young people to pursue careers in science. Ingenuity supports a spectrum of activities that shape and influence the way science is perceived in contemporary culture, from student-focused camps, to teacher-focused professional development, to media training for researchers and public lectures. Programs supported by Ingenuity, such as Ingenuity Lectures and science cafés, provide opportunities for Albertans to better understand the impact science has on their lives

Review of Funding Programs

Alberta Ingenuity continually evaluates its funding programs to ensure they are competitive and strategic, with input and direction from its International Science and Engineering Advisory Council.

New Faculty

To increase support for new professors in the province and create a stronger program to support the growth of research teams led by high-achieving researchers who are establishing roots in Alberta early in their careers, it was recommended Ingenuity merge the Fellowship program into the New Faculty Award program. The annual New Faculty competition was increased to 12 awards per year at a value of up to \$300,000 per award.

Fellowships

Due to the merging of the Fellowship and New Faculty programs, the Ingenuity Fellowship program held its final competition in February 2006.

Industry Associates

Due to the success of the Industry Associates program, Alberta Ingenuity doubled the number of Associate awards in 2006. The program funds 40 new Ingenuity Industry Associates per year.

Student Scholarships

NSERC created the Canada Graduate Scholarships in 2003 as the flagship scholarships of the NSERC postgraduate program, and also increased the value of the postgraduate Scholarship award. In response to the changes in the national scholarship program, Alberta Ingenuity approved an increase of \$2,000 per year for Ingenuity PhD Scholarship recipients.

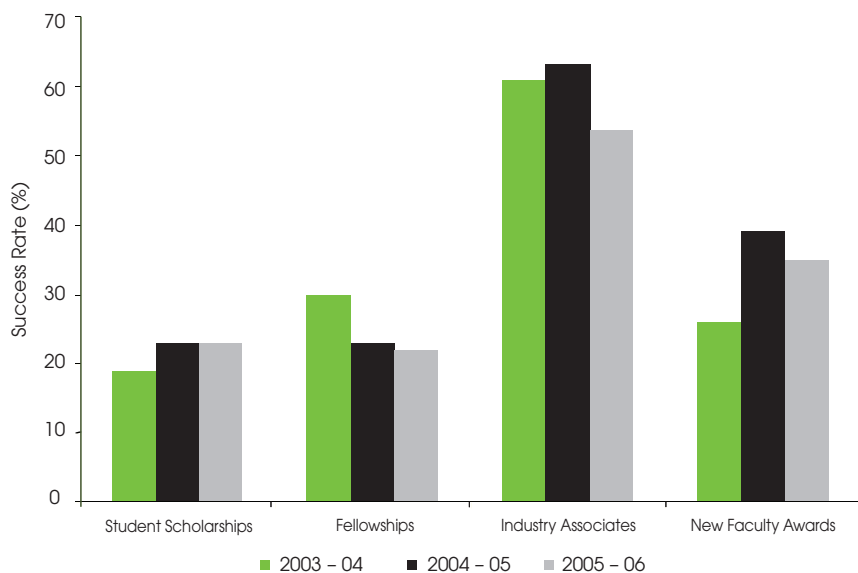
Over the summer of 2005, several years of scholarship application data was reviewed as a way of evaluating the effectiveness of the program. Out of the review came the realization that the review criteria were not meeting the intention of the program. Statistics showed that an outstanding graduate student working with an outstanding senior faculty member had a higher probability of success than an equally outstanding student working with a more junior faculty member. To eliminate this unintended bias, the scholarship review criteria and application form were revised to better reflect the objectives of the program.

High Program Standards

While Alberta Ingenuity programs have grown considerably in scale, the qualifications for receiving an Ingenuity award remain consistent. The sustained high bar ensures excellence and brings up the overall quality of science and engineering by building a high calibre research community.

Program	Applications Received	Awards Granted	Success Rate
<i>Fellowship Program</i>			
• 2003	70	21	30%
• 2004	87	20	23%
• 2005	86	19	22%
<i>Industry Associates</i>			
• 2003	24	14	58%
• 2004	44	27	61%
• 2005	54	32	59%
<i>New Faculty</i>			
• 2003	38	10	26%
• 2004	31	12	39%
• 2005	31	11	35%
<i>Student Scholarships</i>			
• 2003	261	50	19%
• 2004	323	75	23%
• 2005	360	84	23%

Annual Success Rates by Program



Board of Trustees

Alberta Ingenuity is governed by a Board of Trustees appointed by the Government of Alberta.

Current Trustees

Alvin Libin

Chair, Calgary

Ronald Triffo

Vice-Chair, Edmonton

Elizabeth Cannon

Trustee-at-large, Calgary

Darryl Danyluk

Representative of the Association of Professional Engineers, Geologists and Geophysicists of Alberta, Calgary

James Edwards

Representative of the University of Alberta, Edmonton

Grant Gillund

Representative of the Alberta Institute of Agrolgists, Smoky Lake

Scobey Hartley

Trustee-at-large, Calgary

Peter Lacey

Representative of the Council of Board Chairs of the Public Colleges and Technical Institutes of Alberta, Red Deer

Marvin Moore

Trustee-at-large, DeBolt

Mary Ritchie

Trustee-at-large, Edmonton

Terrance Royer

Representative of the University of Lethbridge, Calgary

Harvey Weingarten

Representative of the University of Calgary, Calgary

Past Trustees

Brian MacNeil

Representative of the University of Calgary, Calgary

Advisory Council

Alberta Ingenuity has a Science and Engineering Advisory Council (SEAC) to provide advice on major policies and programs. SEAC members are international experts in their respective fields and leaders in broader areas such as policy development and commercializing innovation and technology.

Current Members

Khalid Aziz

Otto N. Miller Professor, Earth Sciences, and Professor, Petroleum Engineering, Stanford University, Stanford, California

Richard de Neufville

Professor, Engineering Systems, and Professor, Civil and Environmental Engineering, M.I.T., Cambridge, Massachusetts

Michael Gray

Professor, Department of Biochemistry and Molecular Biology, Dalhousie University, Halifax, Nova Scotia

David Gubbins

Fellow of the Royal Society, Professor, School of Earth and Environment, The University of Leeds, Leeds, United Kingdom

Maria Klawe

Dean of Engineering and Applied Science, Princeton University, Princeton, New Jersey

Larry Milligan

Professor Emeritus, Animal and Poultry Science, University of Guelph, Guelph, Ontario

George Sawatzky

Director, Advanced Materials and Process Engineering Laboratory, University of British Columbia, Vancouver, British Columbia

John Schaefer

President, LSST Corporation in Tucson, Arizona, President Emeritus, University of Arizona, Tucson, Arizona

Christopher Somerville

Professor of Biological Sciences, Stanford University and Director, the Carnegie Institution Department of Plant Biology, Stanford, California

Past Members

Arthur Dempster

Professor of Theoretical Statistics, Harvard University, Cambridge, Massachusetts

Norman Dovichi

Endowed Professor of Analytical Chemistry, University of Washington and Affiliated Professor, Institute for Systems Biology, Seattle, Washington

Indira Samaraesekera

Vice President, Research, University of British Columbia, Vancouver, British Columbia

Adel Sedra

Professor of Electrical and Computer Engineering, University of Waterloo, Waterloo, Ontario

Review Committees

Alberta Ingenuity is committed to funding research projects of the highest scientific merit and has a comprehensive external peer review process in place to evaluate proposals in various programs areas.

Fellowships

John Bain

University of Lethbridge

Franco Berruti

University of Western Ontario

Terry Caelli

University of Alberta

Gerda de Vries

University of Alberta

O. Rod Fauvel

University of Calgary

Laura Frost

University of Alberta

Murray Gray

University of Alberta

Donald Lawton

University of Calgary

Horacio Marquez

University of Alberta

Warren Piers

University of Calgary

Renate Scheidler

University of Calgary

Tom Steele

University of Saskatchewan

Paitoon Tontiwachwuthikul

University of Regina

Ljiljana Trajkovic

Simon Fraser University

Rik Tykwinski

University of Alberta

Hans Vogel

University of Calgary

Randall Weselake

University of Alberta

Ron Wong

University of Calgary

Industry Associates

Anita Arduini

Nova Chemicals (until 2006)

Heather Dettman

National Centre for Upgrading Technology

Kashmir Gill

IRAP West

Hugh Jones

University Technologies International Inc. (Retired)

Cal Koskowich

IRAP West

Frank L. Meyer

Computer Modelling Group Ltd.

John Moldon

Innovators Network

Wolfgang Muhs

Techfund Capital Inc.

James Murray

Quadrise — Canada Fuel Systems Inc.

James D. Stewart

Natural Resources Canada

Gerry Tertzakian

Hannibal Ventures

New Faculty Awards

Franco Berruti

University of Western Ontario

Michael Blades

University of British Columbia

David Burns

University of Waterloo (Retired)

Robert Hill

University of Manitoba

Ross Hill

Simon Fraser University

Michael James

University of Alberta

Ron Kratochvil

University of Alberta

Catherine Lareshen

Alberta Energy Research Institute

Eric Manning

University of Victoria

Arokia Nathan

University of Waterloo

John Smol

Queen's University

Kenneth Storey

Carleton University

Student Scholarships

Reda Alhajj

University of Calgary

Thomas Back

University of Calgary

Celine Bellehumeur

University of Calgary

Robert Brennan

University of Calgary

Michael Brett

University of Alberta

Jason Carey

University of Alberta

M. Sheelagh Carpendale

University of Calgary

Ralph Cartar

University of Calgary

Rick Chalaturnyk

University of Alberta

Dave Chan

University of Alberta

Phillip Choi

University of Alberta

Craig Coburn

University of Lethbridge

David Cramb

University of Calgary

Peter Crompton

University of British Columbia

Steven Dew

University of Alberta

Eric Donovan

University of Calgary

Elise Fear

University of Calgary

Sarah Gleeson

University of Alberta

Greg Goss

University of Alberta

Jocelyn Grozic

University of Calgary

Andrew Hakin

University of Lethbridge

Dennis Hall

University of Alberta

Henrik Hansen

University of Calgary

David Hik

University of Alberta

Robert Holte

University of Alberta

Michael Kallos

University of Calgary

David Kaminski

University of Lethbridge

Suzanne Kresta

University of Alberta

Ellen MacDonald

University of Alberta

Chris Macnab

University of Calgary

Gary Margrave

University of Calgary

Brent Maundy

University of Calgary

Mark McDermott

University of Alberta

Petar Minev

University of Alberta

Martin Mintchev

University of Calgary

Malek Mouhoub

University of Regina

Douglas Muench

University of Calgary

Jim Muldowney

University of Alberta

Derek Peddle

University of Lethbridge

Sergio Pellis

University of Lethbridge

Glen Prusky

Canadian Centre for Behavioural Neuroscience

Alejandro Ramirez-Serrano

University of Calgary

Marc Roussel

University of Lethbridge

Pierre-Nicholas Roy

University of Alberta

Piotr Rudnicki

University of Alberta

Anthony Russell

University of Calgary

Brent Selinger

University of Lethbridge

Yujun Shi

University of Calgary

David Siminovitch

University of Lethbridge

Susan Skone

University of Calgary

James Stewart

Natural Resources Canada

Curtis Strobeck

University of Alberta

Bruce Sutherland

University of Alberta

Eric (Rick) Taylor

University of British Columbia

Robert Thompson

University of Calgary

Edward Vigmond

University of Calgary

Ken Vos

University of Lethbridge

Richard Wan

University of Calgary

Janusz Zwiazek

University of Alberta

Funding Recipients

Alberta Ingenuity is committed to improving research in Alberta by providing generous, sustained and flexible support to an elite group of early-career researchers — from graduate students and postdoctoral fellows to new faculty members — to build a strong research core in the province. Between 2003–04 and 2005–06, Ingenuity provided \$29.7 million in support of 441 researchers.

Associateships

Andrei Brantov

Physics, University of Alberta

Jo-Anne Brown

*Physics & Astronomy,
University of Calgary*

Rui Chen

Chemistry, University of Alberta

David Corr

Kinesiology, University of Calgary

David Emslie

Chemistry, University of Calgary

Dalton Harvie

*Chemical & Materials Engineering,
University of Alberta*

Peter Hoyer

*Computer Science,
University of Calgary*

Susan Lingle

*Psychology & Neuroscience,
University of Lethbridge*

Andrew Liu

Virtual Materials Group, Inc.

Daise Lopes-Lutz

Olds College Centre for Innovation

Omid Madani

*Computing Science,
University of Alberta*

Lucero Mariani

*Renewable Resources,
University of Alberta*

Sang-Un Park

*Biological Sciences,
University of Calgary*

David Selby

*Earth & Atmospheric Sciences,
University of Alberta*

Mikko Syrjasuo

*Physics & Astronomy,
University of Calgary*

Yan Xin

*Electrical & Computer Engineering,
University of Alberta*

Yingjun Zhao

Chemistry, University of Calgary

Establishment Grants

Norman Beaulieu

*Electrical & Computer Engineering,
University of Alberta*

Subir Bhattacharjee

*Mechanical Engineering,
University of Alberta*

Jocelyn Grozic

*Civil Engineering,
University of Calgary*

Igor Kovalchuk

*Biological Sciences,
University of Lethbridge*

Daniel Kwok

*Mechanical Engineering,
University of Alberta*

David Schriemer

*Biochemistry & Molecular Biology,
University of Calgary*

Martyn Unsworth

Physics, University of Alberta

Caterina Valeo

*Geomatics Engineering,
University of Calgary*

Hugh Williams

*Mathematical & Statistical
Sciences, University of Calgary*

Anthony Yeung

*Chemical & Materials Engineering,
University of Alberta*

Fellows

Francois Anton

*Computer Science,
University of Calgary*

Michal Bachar

Chemistry, University of Calgary

Carolyn Bergstrom

*Biological Sciences,
University of Alberta*

Erick Burns

*Geology & Geophysics,
University of Calgary*

Margaret Campbell-Brown

*Geology & Geophysics,
University of Calgary*

Isabelle Charrier

Psychology, University of Alberta

Woo-Jung Choi

*Renewable Resources,
University of Alberta*

Mee-Kyung Chung

Chemistry, University of Alberta

Cynthia Collins

*Microbiology & Infectious Diseases,
University of Calgary*

Cristina Cruz-Hernandez

*Agricultural, Food & Nutritional
Science, University of Alberta*

Dana Eisler

Chemistry, University of Calgary

Yaakov Engel

*Computing Science,
University of Alberta*

Salvatore Federico

Kinesiology, University of Calgary

Michael Fleischauer

*Electrical & Computer Engineering,
University of Alberta*

Georgia Fotopoulos

*Geomatics Engineering,
University of Calgary*

Zhiyong Fu

Chemistry, University of Calgary

Huijun Gao

*Electrical & Computer Engineering,
University of Alberta*

Alicia Garcia Herrero

*Biological Sciences,
University of Calgary*

Ioan Ghesner

Chemistry, University of Calgary

Shohini Ghose

*Physics & Astronomy,
University of Calgary*

Laurent Groux

Chemistry, University of Calgary

Jeffrey Guthrie

*Public Health Sciences,
University of Alberta*

Timothy Hatchard

Chemistry, University of Alberta

Jason Ho

*Biological Sciences,
University of Calgary*

Hongwei Hou

*Biological Sciences,
University of Lethbridge*

Tobias Isenberg

*Computer Science,
University of Calgary*

Andrew Iwaniuk

Psychology, University of Alberta

Cory Jaska

Chemistry, University of Calgary

Fumi Katoh

*Biological Sciences,
University of Alberta*

Jorge Llano

Chemistry, University of Calgary

John Lo

Chemistry, University of Calgary

H. Damon Matthews

Geography, University of Calgary

Simon Megy

*Biological Sciences,
University of Calgary*

Matthieu Meurant

*Physics & Astronomy,
University of Calgary*

Bartosz Mielczarek

*Electrical & Computer Engineering,
University of Alberta*

Masaki Morita

Chemistry, University of Alberta

William Nelson

*Biological Sciences,
University of Alberta*

Noora Partamies

*Physics & Astronomy,
University of Calgary*

Ray Poulin

*Biological Sciences,
University of Alberta*

Michael Proctor

*Biological Sciences,
University of Alberta*

Mario Rainaldi

*Biological Sciences,
University of Calgary*

Ghaus Rizvi

*Chemical & Petroleum Engineering,
University of Calgary*

Anne-Gaelle Rolland-Lagan

*Computer Science,
University of Calgary*

Tamara Romanuk

*Biological Sciences,
University of Calgary*

Stefanie Schmidberger

*Earth & Atmospheric Sciences,
University of Alberta*

Devin Sears

Chemistry, University of Alberta

Dawn Simon

*Biological Sciences,
University of Calgary*

Maciej Slusarczyk

Physics, University of Alberta

Xiao-Li Tan

*Chemical & Materials Engineering,
University of Alberta*

Chakree Tanjaroon

Chemistry, University of Alberta

Andrew Tomkins

*Geology & Geophysics,
University of Calgary*

Dmitry Trukhachev

*Electrical & Computer Engineering,
University of Alberta*

Peter Turner

*Physics & Astronomy,
University of Calgary*

Jonathan Walgate

*Physics & Astronomy,
University of Calgary*

Erin Walton

*Earth & Atmospheric Sciences,
University of Alberta*

Nathan Young

*Cell Biology & Anatomy,
University of Calgary*

Darla Zelenitsky

*Geology & Geophysics,
University of Calgary*

Ziyang Zhang

*Electrical & Computer Engineering,
University of Alberta*

Rui Zhu

*Chemistry & Biochemistry,
University of Lethbridge*

Xiaobin Zhu

Physics, University of Alberta

Industry Associates

Wa'el Abdallah

Oilphase DBR

Gary Anthieren

Syncrude Canada Ltd

Anthony Anyia

Alberta Research Council

Anna Bakowska-Barczak

DNA Gardens Ltd

Jeffrey Battigelli

*Paragon Soil & Environmental
Consulting*

Ibrahim Baykal

Smart Camera Technologies Inc.

Miroslav Belov

Norcada, Inc.

Brooke Bennett

WorleyParsons Komex

Avinash Bhaskar

SciMed Laboratories Inc.

Amanada Bodero

SemBioSys Genetics Inc.

Mike Bristow

Calgary Scientific Inc.

Keith Brown

Scanimetrix Inc.

Patrick Brunelle

Quadrise Canada Fuel Systems Inc.

Ian Chapman

lunctus Geomatics Corp.

Siyue Chen

Complex System Inc.

Lydia Chiasson

HydroQual Laboratories Ltd.

Md.Ali Choudhury

Matrikon Inc.

Suzanne Clark

SemBioSys Genetics Inc.

Michael Colgan

Norcada, Inc.

Katharine Cross

WorleyParsons Komex

Chuntao Deng

*Broadsword Corrosion Engineering
Ltd.*

Dwayne Dickey

Quest Pharmatech

Ying Dong

Gienow Windows & Doors Ltd

John Doucette

TRLabs

Brian Eaton

Alberta Research Council

Ruth Eckford

Alberta Research Council

Callum Galbraith

Clynch Technologies Inc.

Vinti Goel

CV Technologies Inc.

Jeffrey Grossman

*InnerVision Medical Technologies
Inc*

Sergio Guillen-Castellanos

NOVA Chemicals

Lee Henderson

NOVA Chemicals

Daqing Hou

Avra Software Lab Inc.

Cheng Hu

*Bellamy Software, A Division of
Sylogist*

Xuemin (Howard) Huang

MRF Geosystems Corp.

Abebaw Jemere

Advanced Integrated Microsystems (Canada) Ltd.

Guifeng Jiang

Advanced Integrated Microsystems (Canada) Ltd.

Mark Kachmar

MRF Geosystems Corp.

Padam Kafle

TRLabs

Takashi Kuboki

Resin Systems Inc.

Peng Li

Applied Nanotools Inc.

Vanessa Lien

MTI Meta Tech Inc.

Man Liu

Alberta Research Council

Zhizhao Liu

Leica Geosystems

Jeffrey Mahovsky

3D Interactive Inc

Liman Mao

MRF Geosystems Corp.

Lyriam Marques

Innovotech Inc.

Pascal Mercier

Chenomx Inc.

Young Ou

Cytostore Inc.

Jignesh Padia

QSV Biologics Ltd.

Reza Pasand

TRLabs

John Pinkney

TRLabs

Ali Quoreshi

Symbiotech Research Inc.

Kathryn Rankin

Chenomx Inc.

Edwin Reid

Scanimetrics Inc.

Kevin Reid

Syncrude Canada Ltd

Mahbub Reja

Scanimetrics Inc.

Holly Rourke

Norcada, Inc.

Anastasia Salycheva

NovAtel Inc.

Mary Seto

Micalyne Inc.

Weiguang Shi

Random Knowledge Inc.

Annabelle Shi Shun

ChemRoutes Corporation

Ashok Shrawat

AgriGenomics Inc.

Catherine Smith

SemBioSys Genetics Inc.

Benjamin Smith

Cementec Industries Inc.

Duane Stones

ChemRoutes Corporation

Wei Sun

FastTrack Technologies Inc.

Xuerong Tang

MRF Geosystems Corp.

Jin Wang

Taurus Reservoir Solutions Ltd.

Juefu Wang

Geo-X, A Division of Divestco

Aalim Weljie

Chenomx Inc.

Min Zeng

MRF Geosystems Corp.

New Faculty

Elena Braverman

*Mathematics & Statistics,
University of Calgary*

Robert Campbell

Chemistry, University of Alberta

Michael Colicos

*Physiology & Biophysics,
University of Calgary*

Alex De Visscher

*Chemical & Petroleum Engineering,
University of Calgary*

Michael Deyholos

*Biological Sciences,
University of Alberta*

Michael Dyck

*Agricultural, Food & Nutritional
Science, University of Alberta*

Raafat El-Hacha

*Civil Engineering,
University of Calgary*

Jeremy Fox

*Biological Sciences,
University of Calgary*

Mohamed Gamal El-Din

*Civil & Environmental Engineering,
University of Alberta*

Yu Gu

Physics, University of Alberta

Henrik Hansen

Chemistry, University of Calgary

Geoffrey Hay

Geography, University of Calgary

Fangliang He

*Renewable Resources,
University of Alberta*

Christopher Hunter

*Mechanical & Manufacturing
Engineering, University of Calgary*

Maen Husein

*Chemical & Petroleum Engineering,
University of Calgary*

Dileepan Joseph

*Electrical & Computer Engineering,
University of Alberta*

Oy Leuangthong

*Civil & Environmental Engineering,
University of Alberta*

Sally Leys

*Biological Sciences,
University of Alberta*

Alexander Lvovsky

*Physics & Astronomy,
University of Calgary*

Chris Macnab

*Electrical & Computer Engineering,
University of Calgary*

Sebastian Magierowski

*Electrical & Computer Engineering,
University of Calgary*

David Mitlin

*Chemical & Materials Engineering,
University of Alberta*

Rachid Ouyed

*Physics & Astronomy,
University of Calgary*

Simon Park

*Mechanical & Manufacturing
Engineering, University of Calgary*

Payam Rahimi

*Mechanical Engineering,
University of Alberta*

Enrico Scarpella

*Biological Sciences,
University of Alberta*

Arindom Sen

*Chemical & Petroleum Engineering,
University of Calgary*

Stephen Strelkov

*Agricultural, Food & Nutritional
Science, University of Alberta*

Christopher Sturdy

Psychology, University of Alberta

Steven Vamosi

*Biological Sciences,
University of Calgary*

Edward Vigmond

*Electrical & Computer Engineering,
University of Calgary*

Andrew Waskiewicz

*Biological Sciences,
University of Alberta*

Yunjie Xu

Chemistry, University of Alberta

Studentships

Jennifer Adams

*Geology & Geophysics,
University of Calgary*

Dawn Aguilar

*Mathematical & Statistical
Sciences, University of Alberta*

Peter Ajemba

*Electrical & Computer Engineering,
University of Alberta*

Jeremy Allan

*Electrical & Computer Engineering,
University of Calgary*

Trevor Allen

*Electrical & Computer Engineering,
University of Alberta*

Ihab Amer

*Electrical & Computer Engineering,
University of Calgary*

Mohammad Saeid Amiri

*Chemical & Materials Engineering,
University of Alberta*

Mark Andruskiw

*Biological Sciences,
University of Alberta*

C. Maria-Luiza Antonie

*Computing Science,
University of Alberta*

Chunlong Bai

*Electrical & Computer Engineering,
University of Alberta*

Allison Bale

*Civil & Environmental Engineering,
University of Alberta*

Brooke Berard

*Geology & Geophysics,
University of Calgary*

Shane Bergsma

*Computing Science,
University of Alberta*

Laurie Bloomfield

Psychology, University of Alberta

Cheryl Bodnar

*Chemical & Petroleum Engineering,
University of Calgary*

Matthew Boeckner

*Biological Sciences,
University of Alberta*

Sandra Bonny

*Earth & Atmospheric Sciences,
University of Alberta*

Adrienne Boon

*Biological Sciences,
University of Alberta*

Michael Bosdet

Chemistry, University of Calgary

Katherine Boyer

*Mechanical & Manufacturing
Engineering, University of Calgary*

Patrick Brunelle

Chemistry, University of Calgary

Lindsey Carmichael

*Biological Sciences,
University of Alberta*

Sarah Carnegie

Anthropology, University of Calgary

Jennifer Carpenter

*Biological Sciences,
University of Alberta*

Jinan Chai

*Mechanical & Manufacturing
Engineering, University of Calgary*

Wesley Chalifoux

Chemistry, University of Alberta

Stuart Chambers

Chemistry, University of Alberta

Kenneth Chau

*Electrical & Computer Engineering,
University of Alberta*

Yunfei Chen

*Electrical & Computer Engineering,
University of Alberta*

Rita Cheng

*Geomatics Engineering,
University of Calgary*

Colin Cherry

*Computing Science,
University of Alberta*

Cheryl-Lesley Chetkiewicz

*Biological Sciences,
University of Alberta*

Sophan Chhin

*Renewable Resources,
University of Alberta*

Michael Christensen

*Biological Sciences,
University of Alberta*

Michael Chubey

*Earth & Atmospheric Sciences,
University of Alberta*

Michael Chung

*Computing Science,
University of Alberta*

Danielle Cobbaert

*Biological Sciences,
University of Alberta*

William Colgan

*Earth & Atmospheric Sciences,
University of Alberta*

Kimberley Colvin

*Biological Sciences,
University of Alberta*

Korey Conroy

Chemistry, University of Calgary

Michael Cook

*Electrical & Computer Engineering,
University of Alberta*

Jason Cooper

*Physics & Astronomy,
University of Calgary*

Roy Coulthard

*Earth & Atmospheric Sciences,
University of Alberta*

Angela Crowe

*Biological Sciences,
University of Alberta*

Tao Cui

*Electrical & Computer Engineering,
University of Alberta*

Derek Cyr

*Civil & Environmental Engineering,
University of Alberta*

Lynn Dafoe

*Earth & Atmospheric Sciences,
University of Alberta*

Sean Dalrymple

Chemistry, University of Calgary

Shon Darcy

*Biomedical Engineering,
University of Calgary*

Prodip Das

*Mechanical Engineering,
University of Alberta*

Marie Davey

*Biological Sciences,
University of Alberta*

Lance de Groot

*Geomatics Engineering,
University of Calgary*

Bryan Demko

Chemistry, University of Alberta

Zheng Deng

*Computing Science,
University of Alberta*

Darren Derksen

Chemistry, University of Alberta

James Doherty

*Electrical & Computer Engineering,
University of Calgary*

Karen Dow

*Civil & Environmental Engineering,
University of Alberta*

Richard Dudley

*Mechanical & Manufacturing
Engineering, University of Calgary*

Alexandra Eaves

*Biological Sciences,
University of Alberta*

Anastasia Elias

*Electrical & Computer Engineering,
University of Alberta*

Kathryn Elliot

*Computer Science,
University of Calgary*

Robert Elliott

*Electrical & Computer Engineering,
University of Alberta*

Timothy Erickson

*Biological Sciences,
University of Alberta*

Jing Fan

Chemistry, University of Calgary

Golnaz Farhadi

*Electrical & Computer Engineering,
University of Alberta*

Kirk Feindel

Chemistry, University of Alberta

Ingrid Fjeld

*Biomedical Engineering,
University of Calgary*

Kyla Flanagan

*Biological Sciences,
University of Calgary*

Michelle Forgeron

Chemistry, University of Alberta

Sarah Forte

*Geology & Geophysics,
University of Calgary*

Saeed Fouladi Fard

*Electrical & Computer Engineering,
University of Alberta*

Aviv Fried

*Mechanical & Manufacturing
Engineering, University of Calgary*

Andrei Gaponenko

Physics, University of Alberta

Ankush Garg

*Biological Sciences,
University of Alberta*

Michael Garrett

*Physics & Astronomy,
University of Calgary*

Nathan Gerein

Chemistry, University of Alberta

Alireza Ghaderipoor

*Electrical & Computer Engineering,
University of Alberta*

Jessica Gifford

*Biological Sciences,
University of Calgary*

Douglas Gish

*Electrical & Computer Engineering,
University of Alberta*

Kent Gislason

*Biological Sciences,
University of Alberta*

Jennifer Graydon

*Biological Sciences,
University of Alberta*

Brian Greenhalgh

*Chemical & Materials Engineering,
University of Alberta*

Ruby Grewal

*Biological Sciences,
University of Alberta*

Robert Gruninger

*Chemistry & Biochemistry,
University of Lethbridge*

Fagang Gu

*Civil & Environmental Engineering,
University of Alberta*

Abhinav Gupta

*Computer Science,
University of Calgary*

Lucas Habib

*Biological Sciences,
University of Alberta*

Sasan Haghani

*Electrical & Computer Engineering,
University of Alberta*

Nicolas Hamilton

*Mechanical & Manufacturing
Engineering, University of Calgary*

Sang Kuy Han

*Mechanical & Manufacturing
Engineering, University of Calgary*

Mark Hancock

*Computer Science,
University of Calgary*

Diane Haughland

*Biological Sciences,
University of Alberta*

Melissa Haveron

*Agricultural, Food & Nutritional
Science, University of Alberta*

Anne Hearn

*Chemical & Materials Engineering,
University of Alberta*

Tara Hiebert

*Physics & Astronomy,
University of Calgary*

Andreas Hirt

*Computer Science,
University of Calgary*

Viet Hoang

*Electrical & Computer Engineering,
University of Alberta*

Jennifer Hogan

*Electrical & Computer Engineering,
University of Calgary*

Preston Holloway

*Chemical & Materials Engineering,
University of Alberta*

Jaime Lynn Hood

*Geology & Geophysics,
University of Calgary*

J. Matthew Hopkins

Chemistry, University of Calgary

Suzanne Hoppins

*Biological Sciences,
University of Alberta*

Iordan Hristov

Chemistry, University of Calgary

Bo Hu

*Electrical & Computer Engineering,
University of Alberta*

Jeremiah Hu

*Electrical & Computer Engineering,
University of Alberta*

Casey Hubert

*Biological Sciences,
University of Calgary*

Yoonjung Huh

Chemistry, University of Alberta

Sean Hum

*Electrical & Computer Engineering,
University of Calgary*

Scott Irvine

*Electrical & Computer Engineering,
University of Alberta*

Heather Jamniczky

*Biological Sciences,
University of Calgary*

Ernest Jankowski

Physics, University of Alberta

Rahim Janmohamed

*Electrical & Computer Engineering,
University of Alberta*

Seyed Jazayeri

*Electrical & Computer Engineering,
University of Calgary*

Jason Jechow

Chemistry, University of Calgary

Hans Martin Jensen

*Electrical & Computer Engineering,
University of Alberta*

Britta Jensen

*Earth & Atmospheric Sciences,
University of Alberta*

Megan Johnson

*Biological Sciences,
University of Calgary*

Olivier Julien

*Geomatics Engineering,
University of Calgary*

Sunghoon Jung

*Chemical & Petroleum Engineering,
University of Calgary*

Peter Keech

Chemistry, University of Calgary

Brian Kendall

*Earth & Atmospheric Sciences,
University of Alberta*

Alyson Kenward

Chemistry, University of Calgary

Jason Klaus

*Electrical & Computer Engineering,
University of Alberta*

Kyle Knopff

*Biological Sciences,
University of Alberta*

John Koob

*Electrical & Computer Engineering,
University of Alberta*

Anna Koop

*Computing Science,
University of Alberta*

Russell Kruger

*Computer Science,
University of Calgary*

Jessica Kupper

*Mechanical & Manufacturing
Engineering, University of Calgary*

Hugo Lachance

Chemistry, University of Alberta

Robert Laird

*Biological Sciences,
University of Calgary*

Eric Lamb

*Biological Sciences,
University of Alberta*

Jeffrey Lane

*Biological Sciences,
University of Alberta*

Logan LaRocque

Chemistry, University of Alberta

Leon Lau

Chemistry, University of Alberta

Isabella Lau

*Biological Sciences,
University of Alberta*

Cori Lausen

*Biological Sciences,
University of Calgary*

Gilbert Lee

*Computing Science,
University of Alberta*

Jolene Lepp

Kinesiology, University of Calgary

Shawn Leroux

*Renewable Resources,
University of Alberta*

Curtis Lettley

*Earth & Atmospheric Sciences,
University of Alberta*

Ilya Levner

*Computing Science,
University of Alberta*

Jia Li

*Computing Science,
University of Alberta*

Julia Linke

Geography, University of Calgary

Nicholas Longrich

*Biological Sciences,
University of Calgary*

Pavel Loskot

*Electrical & Computer Engineering,
University of Alberta*

Fuzhi Lu

*Mechanical & Manufacturing
Engineering, University of Calgary*

Jun Lu

*Biological Sciences,
University of Alberta*

Chantall Lukwinski

Chemistry, University of Calgary

Justin MacCallum

*Biological Sciences,
University of Calgary*

Amy MacDonald

Chemistry, University of Alberta

Andrew Macdonell

*Computing Science,
University of Alberta*

Sherri MacLeod

Chemistry, University of Alberta

Ian MacPhedran

*Civil & Environmental Engineering,
University of Alberta*

Todd Mahon

*Biological Sciences,
University of Alberta*

Adele Mandryk

*Renewable Resources,
University of Alberta*

Kathryn Martell

*Renewable Resources,
University of Alberta*

Andrew Martin

*Mechanical Engineering,
University of Alberta*

Leslie May

Chemistry, University of Calgary

Greg McFeeters

*Electrical & Computer Engineering,
University of Calgary*

Hannah McKenzie

*Biological Sciences,
University of Alberta*

Carin Meliefste

*Civil & Environmental Engineering,
University of Alberta*

Amanda Melin

Anthropology, University of Calgary

Sean Michaletz

*Biological Sciences,
University of Calgary*

Julie Michaud

Chemistry, University of Alberta

Rachel Mintz

*Chemical & Petroleum Engineering,
University of Calgary*

Matthew Mitchell

*Biological Sciences,
University of Alberta*

Gary Mo

*Mechanical Engineering,
University of Alberta*

Tamer Mohamed

*Electrical & Computer Engineering,
University of Calgary*

Gabriela Moise

*Computing Science,
University of Alberta*

Shahnawaz Molla

*Mechanical Engineering,
University of Alberta*

Ryan Morelli

*Earth & Atmospheric Sciences,
University of Alberta*

Shawn Morrison

*Biological Sciences,
University of Alberta*

Anastassiia Moussatova

Chemistry, University of Calgary

Shevenell Mullen

*Biological Sciences,
University of Alberta*

Patricia Nadworny

*Chemical & Materials Engineering,
University of Alberta*

Laleh Najafi Zadeh

*Electrical & Computer Engineering,
University of Alberta*

Alexandre Nassif

*Electrical & Computer Engineering,
University of Alberta*

Marton Naszodi

*Mathematics & Statistics,
University of Calgary*

Joshua Nault

*Mathematical & Statistical
Sciences, University of Alberta*

Petra Neumann

*Computer Science,
University of Calgary*

Carman Neustaedter

*Computer Science,
University of Calgary*

Reza Nikjah

*Electrical & Computer Engineering,
University of Alberta*

Cen Ong

*Electrical & Computer Engineering,
University of Calgary*

Kristopher Ooms

Chemistry, University of Alberta

Hans Osthoff

Chemistry, University of Alberta

Guoxin Pang

*Mechanical Engineering,
University of Alberta*

Francois Paradis

*Agricultural, Food & Nutritional
Science, University of Alberta*

Elise Parker

*Renewable Resources,
University of Alberta*

Shawn Parries

*Biological Sciences,
University of Alberta*

Laura Patterson-Fortin

*Biological Sciences,
University of Alberta*

Shawna Pelech

*Biological Sciences,
University of Alberta*

Kristel Pelletier

*Civil & Environmental Engineering,
University of Alberta*

Feng Peng

Chemistry, University of Alberta

Rudi Phillion

*Electrical & Computer Engineering,
University of Calgary*

Christopher Pinchak

*Computing Science,
University of Alberta*

Jocelyn Poissant

*Biological Sciences,
University of Alberta*

Derek Postnikoff

*Mathematical & Statistical
Sciences, University of Alberta*

Brent Prickett

*Civil & Environmental Engineering,
University of Alberta*

Richelle Prickett

*Chemical & Materials Engineering,
University of Alberta*

Melanie Purves

*Earth & Atmospheric Sciences,
University of Alberta*

M. Jake Pushie

*Biological Sciences,
University of Calgary*

Amir Rabiei

*Electrical & Computer Engineering,
University of Alberta*

Danica Rankic

Chemistry, University of Calgary

Vivek Rauniyar

Chemistry, University of Alberta

Todd Redding

*Biological Sciences,
University of Alberta*

Jennifer Reid

Chemistry, University of Calgary

Christine Reinhart

*Neuroscience,
University of Lethbridge*

Alberto Reyes

*Earth & Atmospheric Sciences,
University of Alberta*

Todd Richert

*Geomatics Engineering,
University of Calgary*

Jamie Ritch

Chemistry, University of Calgary

Tania Rizwan

*Mechanical Engineering,
University of Alberta*

Kindal Robertson

*Biological Sciences,
University of Calgary*

Ion Robu

*Mechanical & Manufacturing
Engineering, University of Calgary*

Tracey Roemmele

Chemistry, University of Calgary

Carrie Roever

*Biological Sciences,
University of Alberta*

Jennifer Ross

Chemistry, University of Calgary

Jeffery Saarela

*Biological Sciences,
University of Alberta*

Kimberley Samkoe

Chemistry, University of Calgary

Reginald Sawilla

*Computer Science,
University of Calgary*

Randall Scharien

Geography, University of Calgary

Ryan Schneider

*Electrical & Computer Engineering,
University of Calgary*

Stacey Scott

*Computer Science,
University of Calgary*

Mohammad Shadnam

*Mechanical Engineering,
University of Alberta*

Adham Shahin

*Civil & Environmental Engineering,
University of Alberta*

Rumana Sharmin

*Chemical & Materials Engineering,
University of Alberta*

Wei Shi

Chemistry, University of Alberta

Vincent Sieben

*Electrical & Computer Engineering,
University of Alberta*

David Silver

*Computing Science,
University of Alberta*

Samuel Skinner

*Biological Sciences,
University of Alberta*

Aaron Slepov

Physics, University of Alberta

Martin Slingerland

*Chemistry & Biochemistry,
University of Lethbridge*

Tyler Smith

Chemistry, University of Calgary

Selena Smith

*Biological Sciences,
University of Alberta*

Ryan Smith

*Renewable Resources,
University of Alberta*

Eric Snively

*Biological Sciences,
University of Calgary*

Jovina Sorbetti

Chemistry, University of Calgary

Brent Sorensen

*Agricultural, Food & Nutritional
Science, University of Alberta*

Emma Spanswick

*Physics & Astronomy,
University of Calgary*

Wojciech Stach

*Electrical & Computer Engineering,
University of Alberta*

Sheryl Strydhorst

*Agricultural, Food & Nutritional
Science, University of Alberta*

Zheng Su

Chemistry, University of Alberta

Mark Summers

*Electrical & Computer Engineering,
University of Alberta*

Clark Svrcek

*Civil & Environmental Engineering,
University of Alberta*

Heidi Swanson

*Biological Sciences,
University of Alberta*

Lyle Sweeney

*Mechanical Engineering,
University of Alberta*

Jody Swift

Chemistry, University of Calgary

Danuta Sztukowski

*Chemical & Petroleum Engineering,
University of Alberta*

Terence Tam

*Electrical & Computer Engineering,
University of Calgary*

Peng Tan

*Electrical & Computer Engineering,
University of Alberta*

Shui Chun Tang

*Computer Science,
University of Calgary*

Brian Tanner

*Computing Science,
University of Alberta*

Kristen Tappenden

*Civil & Environmental Engineering,
University of Alberta*

Kimberly Tee

*Computer Science,
University of Calgary*

George Templeton

*Biological Sciences,
University of Calgary*

Zhigang Tian

*Mechanical Engineering,
University of Alberta*

Fuzhi Tian

Mechanical & Manufacturing Engineering, University of Calgary

Gabrielle Tompkins

Biological Sciences, University of Alberta

Winifred Topic

Chemistry, University of Alberta

Yukiko Toyoda

Kinesiology, University of Calgary

Marie Tremblay

Biological Sciences, University of Alberta

Sarah Trend

Geology & Geophysics, University of Calgary

Edward Tse

Computer Science, University of Calgary

Edwin van der Eide

Chemistry, University of Calgary

Casey Vandenberg

Geography, University of Lethbridge

Mihaela Voicu

Renewable Resources, University of Alberta

Nicholas Wakefield

Electrical & Computer Engineering, University of Alberta

Frederic Walter

Geography, University of Calgary

Jiandong Wang

Electrical & Computer Engineering, University of Alberta

Yuanning Wang

Electrical & Computer Engineering, University of Alberta

Paul Weidman

Biological Sciences, University of Alberta

Karyn Weiss-Bundy

Mechanical & Manufacturing Engineering, University of Calgary

Bronwen Wheatley

Chemistry, University of Calgary

Mathew Willans

Chemistry, University of Alberta

Trevor Williams

Electrical & Computer Engineering, University of Calgary

Christopher Williamson

Biological Sciences, University of Alberta

Joanna Wilson

Biological Sciences, University of Calgary

Michael Wollersheim

Electrical & Computer Engineering, University of Calgary

Kjell Wooding

Mathematics & Statistics, University of Calgary

Jun Yang

Mechanical Engineering, University of Alberta

Benjamin Youn

Chemical & Petroleum Engineering, University of Calgary

Jeffrey Yuen

Geography, University of Calgary

Jessica Zgurski

Biological Sciences, University of Alberta

Jungfeng Zhang

Mechanical Engineering, University of Alberta

Xiaodi Zhang

Electrical & Computer Engineering, University of Alberta

Yu Zhang

Mechanical Engineering, University of Alberta

Chengqian Zhang

Geography, University of Calgary

Rumi Zhang

Electrical & Computer Engineering, University of Calgary

Ling Zhao

Computing Science, University of Alberta

Financials

Statement of Financial Position

For the Three Years Ended March 31, 2006

	2006	2005	2004
	(thousands of dollars)		
Assets			
Current			
Cash	\$ 13,115	\$ 895	\$ 190
Accounts & interest receivable	43	3	31
Contributions receivable	-	38,000	-
Advances and prepaid expenses	5	10	15
	13,163	38,908	236
Long term			
Portfolio investments - Prion Fund	25,115	-	-
Property and equipment	453	166	121
Total Assets	\$ 38,731	\$ 39,074	\$ 357
Liabilities and Net Assets			
Current			
Accounts payable and accrued liabilities	\$ 209	\$ 5,342	\$ 1,388
Current portion of deferred lease inducement	32	10	10
	241	5,352	1,398
Long term			
Deferred lease inducement	251	6	16
Deferred contributions	37,899	38,000	-
	38,391	43,358	1,414
Net assets/(liabilities)			
Unrestricted	-113	-4,452	-1,178
Invested in capital assets	453	168	121
	340	-4,284	-1,057
Total Assets	\$ 38,731	\$ 39,074	\$ 357

Statement of Operations

For the Three Years Ended March 31, 2006

	2006	2005	2004
	(thousands of dollars)		
Revenue			
Transfers from Endowment Fund	\$ 17,975	\$ 13,445	\$ 10,416
Grants from Advanced Education & Technology	1,884	-	-
Interest and other revenue	32	14	48
	<u>19,891</u>	<u>13,459</u>	<u>10,464</u>
Expenses			
Grants and awards			
Ingenuity Centres	1,669	6,777	4,330
Students	3,328	2,437	1,735
Industrial Associateships	2,447	1,491	646
New Faculty Awards	1,273	979	162
Fellowships	1,756	1,567	643
Scholars	570	804	305
Sponsorships	261	85	-
Genome Alberta	1,350	-	-
Industrial Internships	75	-	-
Special Initiatives	103	13	333
Associateships / Establishment Grants	137	805	1,587
	<u>12,969</u>	<u>14,958</u>	<u>9,741</u>
Operations			
Human resources	1,152	940	682
Communication /External Relations	260	289	327
Program Development	10	48	-
Peer review	48	37	131
	<u>1,470</u>	<u>1,314</u>	<u>1,140</u>
Administration			
Corporate administration	492	158	133
Governance and planning	260	215	123
Amortization of property and equipment	76	41	42
	<u>828</u>	<u>414</u>	<u>298</u>
Total Expenses	<u>15,267</u>	<u>16,686</u>	<u>11,179</u>
Excess (deficiency) of revenues over expenses	<u>\$4,624</u>	<u>\$(3,227)</u>	<u>\$(715)</u>

Statement of Cash Flow

For the Three Years Ended March 31, 2006

	2006	2005	2004
	(thousands of dollars)		
Cash Flows from Operating activities			
Cash from Endowment Fund transfers and investment earnings	\$ 18,676	\$ 13,459	\$ 10,464
Cash for grants and awards	(18,102)	(10,947)	(9,031)
Cash for operations	(1,465)	(1,393)	(1,136)
Cash for administration	(780)	(327)	(283)
Cash to Prion Research Fund	35,000	-	-
Investment in Genome Alberta Fund	3,000	-	-
Net Cash provided from Operating Activities	36,329	792	14
Cash Flows from Financing and Investing activities			
Cash paid for purchase of property and equipment	(376)	(87)	(15)
Investment/Income in Prion Research Fund	(24,000)	-	-
Deferred Lease inducement	267	-	-
Net increase in cash for the year	12,220	705	(1)
Cash at beginning of year	895	190	191
Cash at end of year	\$ 13,115	\$ 895	\$ 190





Alberta Ingenuity
2410 Manulife Place
10180 - 101 Street
Edmonton, AB T5J 3S4

Phone: (780) 423-5735
Fax: (780) 420-0018
info@albertaingenuity.ca