Cooperation between the University of Oslo and the University of California, Berkeley

Peder Sather Center for Advanced Study
Meeting and Seminar at the University of Oslo, May 25, 2012
Ole Petter Ottersen, Rector
"MIND BEFORE MINES"
Norway, the world's fifth-biggest oil exporter, has the world's 23rd largest economy.

Norwegian research institutions have historically tried to temper potential international recruits’ perceptions about the country’s cold, dark winters with talk of its natural beauty and excellent skiing. That approach has not been entirely successful. There are usually more Norwegian scientists leaving than foreign ones arriving. But the new government elected last autumn is planning a different tack.

"I think it’s wrong to try to attract researchers with the fjords and the mountains," says education and research minister Kristin Clemet. "We need to attract them with good research opportunities and afterwards we can tell them about all the other things."

To create those opportunities, the country is investing the missing ingredient — money. Norway lags far behind its Nordic neighbours Sweden — which spends three times as much per capita on biomedical research — and Denmark, which spends twice as much. At 1.7% of gross domestic product (GDP), Norway's investment in research and development is well below the average of 2.2% given by the Organisation for Economic Co-
Fiat lux
*Let there be light*

Et nos petimus astra
*Reaching for the stars*
4 July

17 May
UiO Cooperation with UC Berkeley

• Ambition: Develop a strategic partnership
  – UiO Strategy2020 and Action Plan for Internationalization

• Peder Sather Center for Advanced Study
  – A “second generation” center
  – An incubator for both existing and new cooperation
  – Built on research strengths at all the partner institutions
  – Promoting reciprocal co-operation between UC Berkeley and Norwegian institutions
UC Berkeley – a popular destination
14 years of Student Exchange

• 1998 - First national exchange agreement with UC Berkeley

• 2006 - Consortium Agreement - 6 Norwegian universities
  – 4 UiO Master / PhD students per year

• 2005 - Study Abroad Agreements with UiO departments
  – Bachelor level: Health Management & Health Economics, Media & Communication, Sociology & Human Geography, and Special Needs Education
  – Other Study Programs: Norwegian Program for Entrepreneurship, 5-years Teacher Training Program

• 2008 - SIU Partnership Program for North America
  – “Multi-disciplinary collaboration at BA, MA, and PhD levels and research”
  – UiO Faculty of Educational Sciences

SIU: Centre for the Internationalization of Education
430 UiO Students to Berkeley 2004-11
12 students from Berkeley to Oslo (Source: DBH)
UiO - UC Berkeley Research Cooperation

• Broad-based contact between the two institutions
  – 7 of 8 UiO Faculties have contacts / visiting staff at UCB
  – 5 UiO Faculties have more extensive cooperation / exchange

• Strong research groups involved

• Cooperation in many fields
  – Arts & Humanities, Biological Sciences, Mathematical & Physical Sciences, and Social Sciences

• Also cooperation / staff exchange with other units
  – Haas School of Business, Graduate School of Education, School of Law, and School of Public Health
73 UiO Researchers to Berkeley 2004-11
13 Researchers from Berkeley to Oslo

Source: CRISTin. Data are incomplete.
Faculty of Educational Sciences

• Driving force for institutional cooperation with Berkeley
  – Prof. Liv Duesund advocate for Peder Sather Center
  – 2002-2012 - Responsible for RCN allocations to Trond Petersen’s Berkeley Center

• Special Needs Education / Disruptive Behavior
  – Research cooperation with Elliot Turiel, UCB School of Education

• Teacher Education and School Research / ProTed
  – UiO & UiT: Centre for Professional Learning in Teacher Education 2012-2016 – will cooperate with UCB School of Education

• Educational Research / Higher Education (HEIK)
  – Visiting staff at Center for Studies in Higher Education (CSHE)
DBS - Disruptive Behavior in Schools

Disruptive Behavior in Schools (DBS) is a research group established at the Department of Special Needs Education, Faculty of Educational Sciences, (UiO) in cooperation with University of California, Berkeley (UCB) USA.

The Peder Sather Center for Advanced Studies - at Berkeley

The establishment of a dedicated Norwegian center at Berkeley is a big step closer to reality after further funding was confirmed, and the announcement was attended by HRH Crown Prince Haakon on a visit to his alma mater outside San Francisco.

ProTed - Centre of Excellence in Education

The Centre for Professional learning in Teacher education (ProTed) has been awarded the title of Centre of Excellence in Education. The center is a joint venture between the teacher training programme at the Universities in Oslo and Tromsø, and will be headquartered at the Department of Teacher Education and School Research at The Faculty of Educational Sciences, UiO.
Faculty of Social Science

• Sociology / Industrial Relations
  – Sociology a long-standing advocate of Berkeley cooperation
  – Prof. Trond Petersen is the central person
  – Collaboration and co-authorship with UiO colleagues, in particular the late Prof. Geir Høgsnes, Head of Sociology

• Economics / Centre for the Study of Equality, Social Organization, and Performance (SFF)
  – Network members: Prof. Trond Petersen & Prof. Edward Miguel, Director of UCB Center for Effective Global Action

• Psychology / Neuroscience
  – Cooperation with Prof. Robert T. Knight, UCB Neuroscience Institute
  – Assoc. Prof. Tor Endestad, Center for the Study of Human Cognition, the fMRI lab & Dr.Psych. Anne-Kristin Solbakk, Oslo University Hospital
The Nordic Model

- The Nordic countries have the last 70 years combined social security unique way. This form of organisation society is called the Nordic or Scandinavian welfare model.
- Characteristics include strong labour movements, strong business and trade union and centrally coordinated collective negotiations.
- The Scandinavian countries display small wage gaps, universal welfare systems and full employment by governments.
- The Nordic countries are small, open economies with economic growth. The Nordic model is therefore adapted to a system of free and decentralised wage negotiations where margins in exporting sectors are economy as a whole.
Faculty of Humanities

• Norwegian Language, Literature, History, Film & Media
  – Prof. Mark Sandberg and others, Dept. of Scandinavian / Dept. of Film and Media

• Music & Informatics / the four Ms
  – Music, Mind, Motion, Machines Laboratory
  – Shortlisted for Norwegian Center of Excellence status 2012
  – More than 10 years collaboration with UCB Department of Music, Center for New Music and Audio Technologies (CNMAT)

• Other areas of staff visits and cooperation
  – Philosophy & Classics / Center for the Study of Mind in Nature
  – Culture Studies / Folklore
  – History of Religion / South Asian Studies
  – English & American Literature
  – Comparative Literature
fourMs - Music, Mind, Motion, Machines

How do we experience music? How does body movement guide our cognition? How can knowledge about movement and sound create better technologies?

These are some of the questions that we are working with in the interdisciplinary research group FourMs.

About the group
FourMs is a collaborative laboratory of the POHER group, Department of Informatics, and the Department of Musicology, located on the north side of Blindern campus. We work together to solve problems in music cognition, sensor technologies and machine learning.

The common denominator is the mutual interest in studying both humans and machines as complex systems, and to analyse and synthesise such systems.

Due to several large grants we have recently expanded the labs with state of the art equipment:
- Motion capture, infrared, electrophysiological and kinetic systems.

Henrik Ibsen’s Writings

A complete historical-critical and commented edition of Henrik Ibsen’s writings, printed and unprinted, is in progress. It will comprise plays, poems, articles, lectures, letters, drafts and notes.

About the project
Henrik Ibsen’s Writings is to date the largest editorial project in Norway.

Background
For some time, Norwegian and international Ibsen scholars have expressed the wish for a multi-scholarly edition of Henrik Ibsen’s writings. The plans for an edition conforming to modern philological standards were strongly encouraged at the International Ibsen Conference in Grimstad, Norway in 1993. In the following years, the plans were developed at several meetings and seminars by Ibsen scholars and editorial philologists with experience from similar projects.

Linguistic Agency
Contact and communication, metarepresentation, linguistic competence...

Moral Agency
Distributive and political justice, social and moral norms, agency and values...

Rational Agency
Mature action and its defects, agency, perception and representation, animal
Co-authorship UiO – UC Berkeley 1
Main subject areas

Source: Web of Knowledge, Thomson Reuters
Co-authorship UiO – UC Berkeley 2

• Indicator of international co-operation mainly used in the Sciences and Medicine

• 259 co-authored articles 2000 - May 2012
  – 4% in Social Sciences
  – 10% in Life Sciences
  – 86% in “Hard” Science

• Co-authorship has experienced rapid growth
  – 3 articles in 2000
  – 96 articles in 2011

Source: Web of Knowledge, Thomson Reuters
Faculty of Mathematics and Natural Sciences

• Physics / Astrophysics
  – 85% of all co-authorship UiO-UC Berkeley
  – Due to joint participation in CERN projects (ATLAS & ALICE) and the European Space Agency’s Planck mission

• Chemistry / Catalysis / inGAP (SFI)
  – Prof. Gabor A. Somorjai, UC Berkeley, is member of inGAP International Advisory Board
  – Production and characterization of (metal) nanoparticles
  – Exchange of PhD students

• Chemistry / Polymers - organic materials
  – 2012 - Starts cooperation in functional materials with UCB Materials Science & Engineering
Faculty of Medicine

• Neuroscience / Neurology
  – Dr. Psych. Anne-Kristin Solbakk: the Front Program, cooperates with Prof. Robert T. Knight, UCB Helen Wills Neuroscience Institute
  – Prof. Johan F. Storm: Brain Signalling, discussing cooperation with Robert T. Knight
  – Prof. Tone Tønjum / Prof. John M. Koomey: Healthy Brain Aging Centre (HBAC) – shortlisted for National Center of Excellence 2012
  – Prof. Hanne F. Harbo: Multiple Sclerosis (MS), visiting professor at UC San Francisco, contact established with Assoc. Prof. Lisa F. Barcellos, UCB School of Public Health

• Health and Society
  – Director Jeanette H. Magnus: has collaborated with the Maternal and Child Health Program, School of Public Health, since 2005 (Sylvia Guendelman)
  – Prof. Tor Iversen: Social Capital and Health, cooperates with Prof. Richard Scheffler and his group, School of Public Health
  – Prof. Terje P. Hagen: Health Management and Health Economics pays for 1/3 of a workspace at Trond Petersen’s Berkeley Center
Welcome to Oslo Multiple Sclerosis (MS) research group

Multiple Sclerosis (MS) research group at Oslo University Hospital (OUH) aims to identify susceptibility factors for MS, to contribute to a better understanding of the disease and development of better treatments.

Brain Signalling

Our group is interested in brain functions, from molecules to mental processes and behaviour. We study signals in neurons and neural circuits of the mammalian brain.

The Lancet - UiO Commission: Global Governance for Health

About the Commission

How can health be taken better into account in multiple arenas of global governance in order to protect and promote health of the world’s populations? This is a question The Lancet/UiO commission will be investigating for the two coming years.

More information about the Commission

News

Seminar: Challenges of Global Governance

In order to broaden the debate about the work of the Commission, members of the Commission's Resource Group is organising monthly seminars at the Centre for Development and the Environment (SUM). We invite you to participate in the discussions!

Blog

The Progress of the Commission

Health Economics Research Programme - HERO

Health Economics Research Programme at the University of Oslo, HERO, is a research programme concentrating on research in health economics at the University of Oslo, Norway's oldest and largest university. The programme's staff includes researchers in social sciences, mainly economists, and researchers from the medical profession.

About HERO

Health Economics Research Programme at the University of Oslo, HERO, is a research programme concentrating on research in health economics at the University of Oslo, Norway's oldest and largest university. HERO has its foundation in economics, but emphasises the need for cross-disciplinary cooperation to ensure the relevance of research to the needs of the health care sector and society at large.

The programme is a collaboration between:
- Department of Health Management and Health Economics
- Regnes Frich Centre for Economic Research - Frich Centre
- The Department of Economics
NTNU: Buildings of the future – and neuroscience
BI: Leadership in schools
UiS: Risk management
UiT: Educational science – and High North
UiA: Master of public management – European integration/fragmentation
NHH: Experimental economics
UiB: From sociology to space physics
There is no substitute for quality........

Eye catching sign outside of the Norwegian Seamen’s church, NY
In the age of globalization, human connections are more important than ever before…

and

Quality is contagious