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EAIE | Istanbul

2013 | 10-13 SEPTEMBER

WEAVING THE FUTURE OF GLOBAL PARTNERSHIPS

Welcome to Session (3.08)

UNDERGRADUATE RESEARCH IS THE "NEW NORMAL" IN STUDY ABROAD

Thursday, 12 September



UNIVERSITY of
DENVER



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA



Universiteit Utrecht



GLOBALINKS
LEARNING ABROAD
What will you discover?

Session outline

- Introduction
- Student interest in international undergraduate research (home institution)
Luc Beaudoin, University of Denver, USA
- Undergraduate Summer Research Program (host institution)
Jessica Gallagher, The University of Queensland, Australia
- Undergraduate research semester (EuroScholars host institution)
Caspar de Bok, Utrecht University, the Netherlands
- Facilitating Undergraduate Research Opportunities
Cynthia Banks, GlobaLinks Learning Abroad, USA
- Everything you still want to know (Q&A)

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Undergraduate research at the University of Denver

Luc Beaudoin
Associate Provost for Internationalization
University of Denver

Overview of the University of Denver

- Private university in the Rocky Mountain West of the United States, founded in 1864
- Approximately 5,500 undergraduates and 5,500 graduates
- Major undergraduate areas of study: biology, business, psychology, engineering, international studies, political science, communication, English, environmental science.



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Study Abroad at DU

- Cherrington Global Scholars Program
- Established in response to September 11, 2001
- Provides an easy financial framework for DU students to study abroad for a term or longer
- Over 100 program partners around the world
- Integrated into the academic curriculum
- Emphasis on the development of inter-cultural communication
- Euroscholars added two years ago as a specific way to increase opportunities for students in the natural sciences in particular



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Undergraduate Research in Study Abroad

- Responds to a specific need for undergraduates to both integrate with host community while completing a significant number of credits for major
- Returning students say that research-intensive programs abroad give them an edge when graduating
- Students like the intensity of the projects



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Undergraduate Research in Study Abroad

- Students who have not studied or lived abroad before can find themselves isolated if they are not adequately prepared
- DU is developing a hybrid in-class / online study abroad required course to help students in all programs
- Will focus on such issues for research-intensive programs



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Undergraduate Research in Study Abroad

- Research abroad ties into the University's support for undergraduate research: Partners in Scholarship and the Undergraduate Research Center
- Reflects the overall academic integration of study abroad at DU



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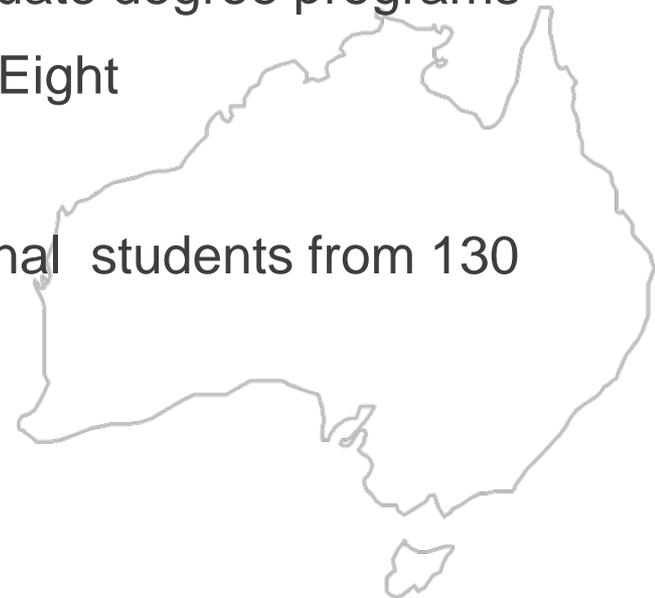
UQ Summer Research Experiences

Dr Jessica Gallagher
Director, Office of Undergraduate Education
The University of Queensland

The University of Queensland

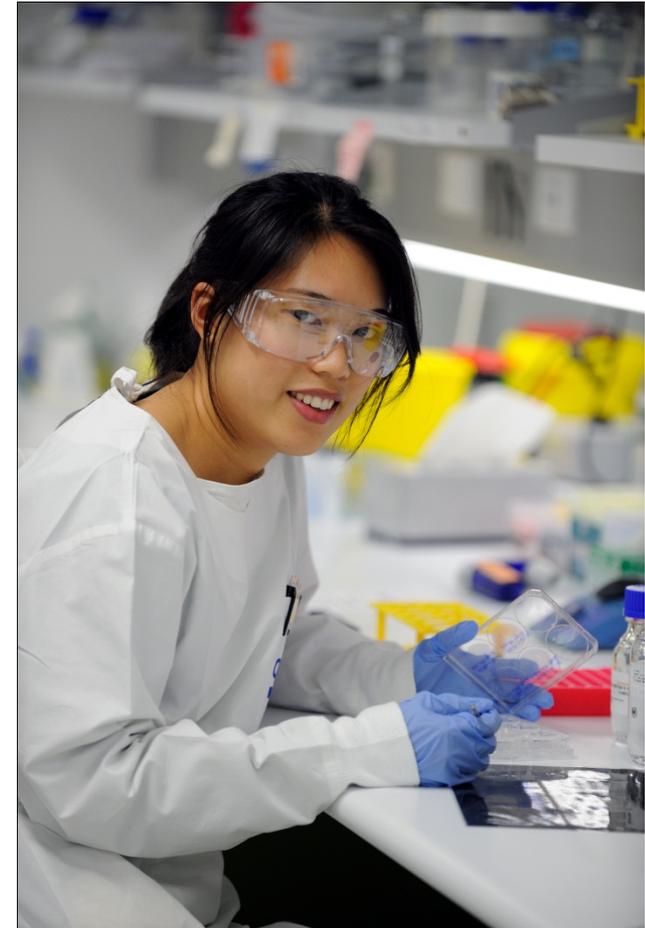
Institutional snapshot

- Public university founded in 1910
- Four campuses
- Six faculties and eight research institutes
- More than 400 undergraduate and postgraduate degree programs
- Top 100 university, member of the Group of Eight
- Research commercialisation leader
- 45,548 students, including 11,398 international students from 130 countries
- 7,453 staff

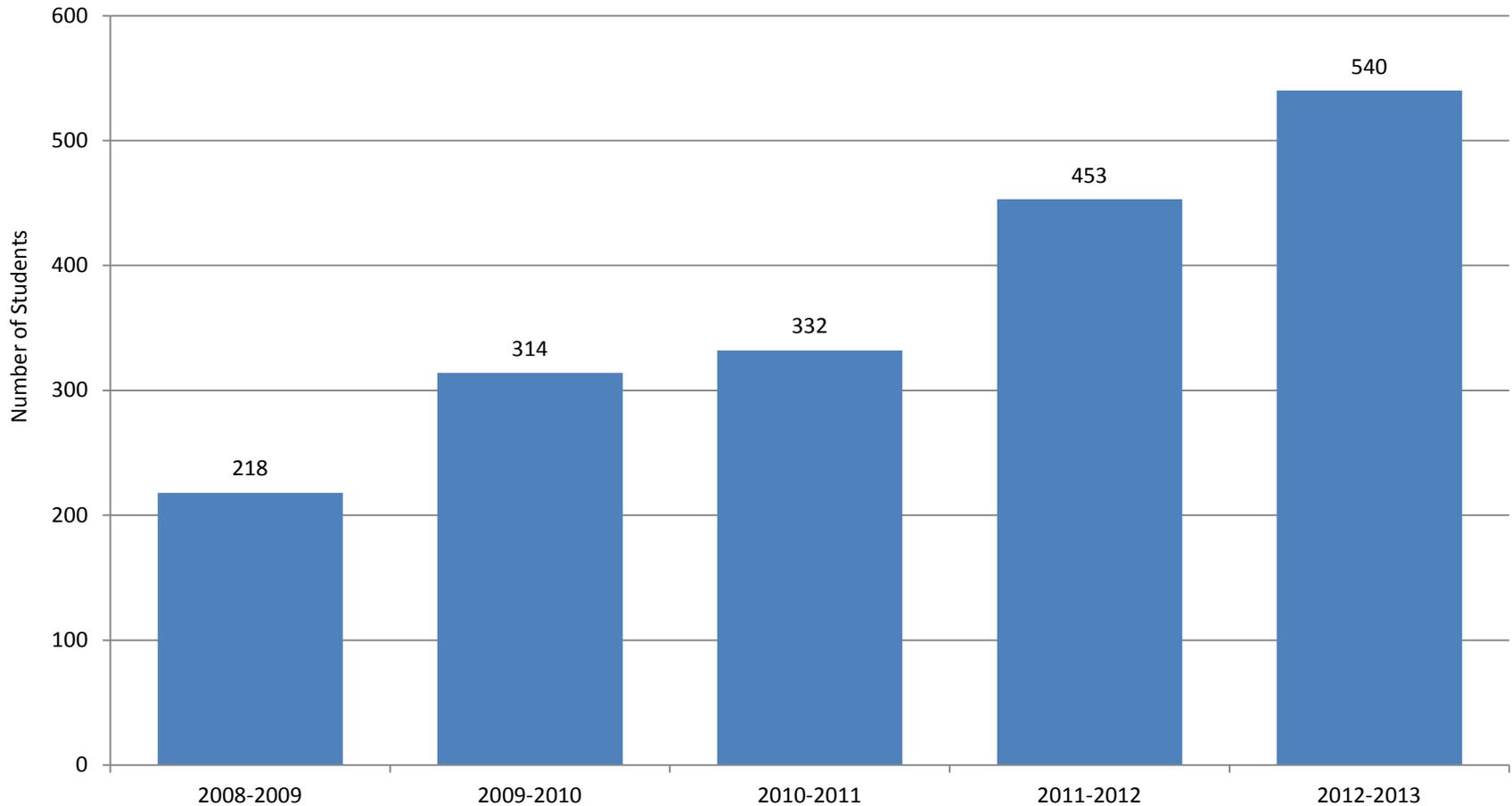


UQ Summer Research Program

- Piloted at UQ in the summer of 2008-2009
- 6 – 10 week projects from late November to mid-February
- Research experiences made accessible to students from all discipline areas
- Open to all undergraduate and postgraduate coursework students
- High-impact experiential learning
- Largest program of its kind in Australia
- More than 1800 students have participated over the past 5 years



Participation levels



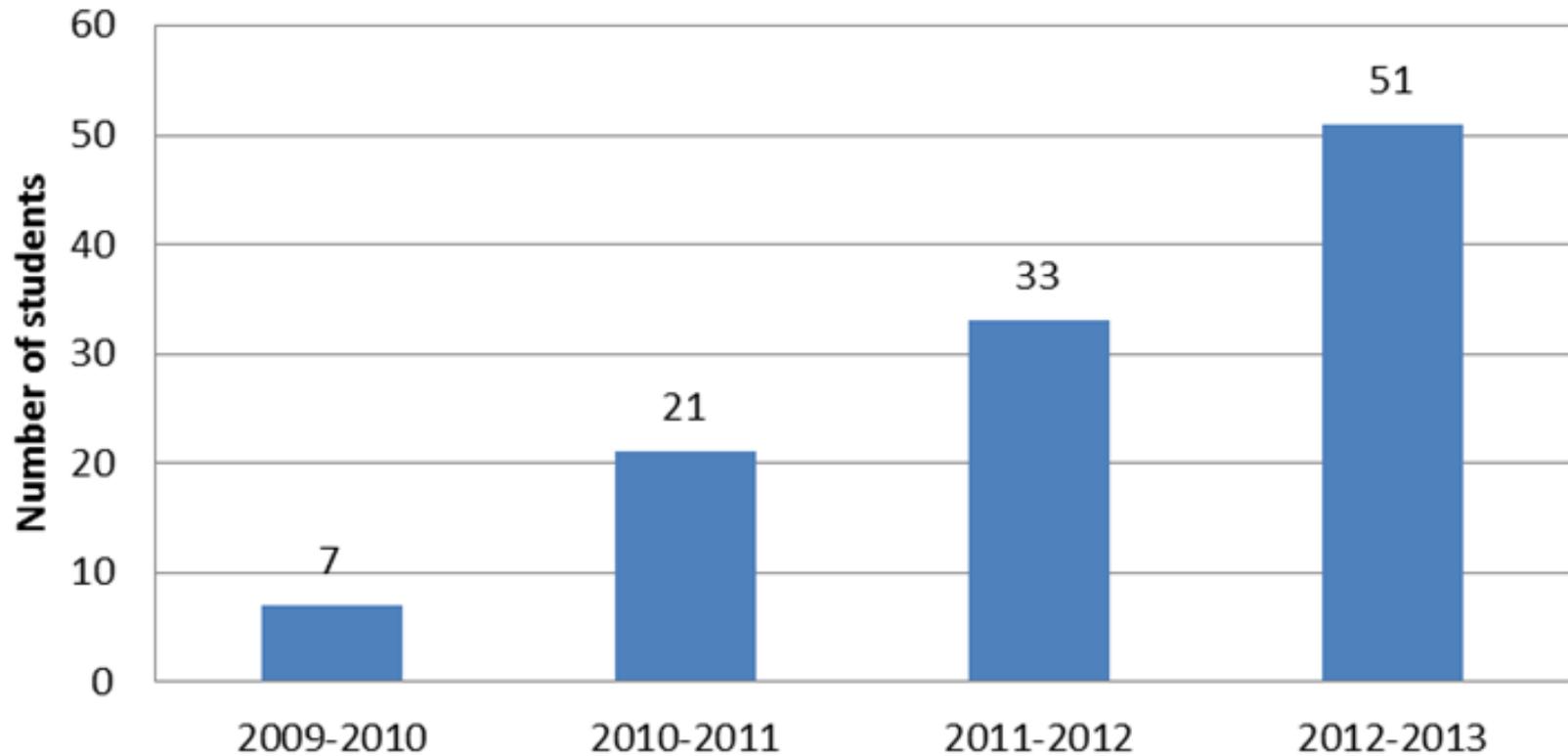
Benefits for participants

- Greater insight into discipline areas or test-drive something new
- Access to state-of-the-art laboratory equipment and archive material
- All participating scholars receive a stipend of up to \$3000
- Development of a wide range of academic and transferable skills
- Opportunity to write and publish their research outcomes
- Greater understanding of future study options and career paths
- Opportunity to work with leading discipline experts (potential advisors)
- Ability to meet and develop strong networks and friendships with students from around the world

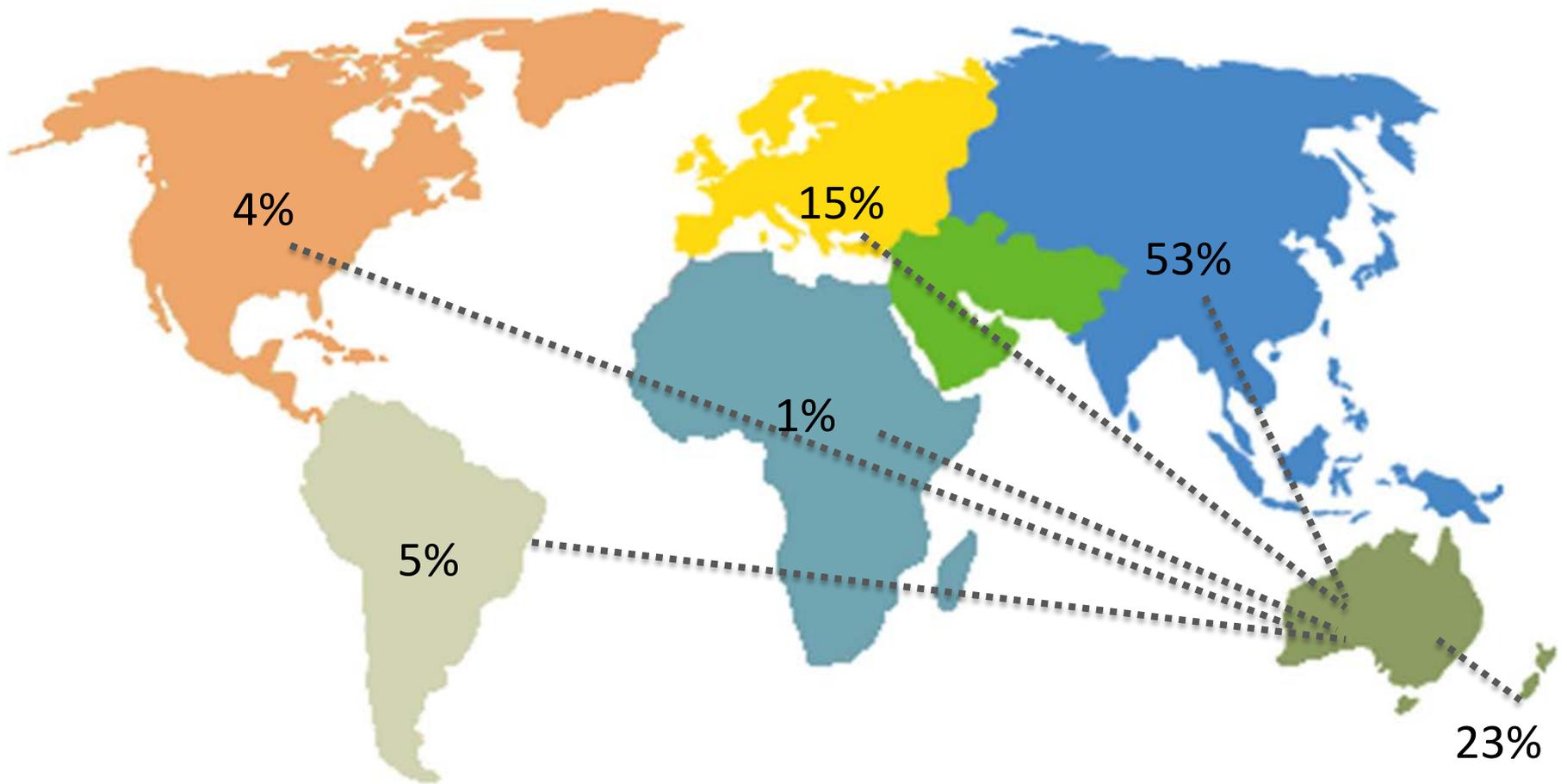
International research scholars

- International scholars were invited to participate in second year of program – originally 7 students from Singapore
- Program supports UQ's global engagement and broader internationalisation initiatives
- Numbers have increase by more than 600% over the past 4 years
- Value add for students from key partners and scholarship bodies
- Participants from 21 countries and more than 40 different institutions
- More than 100 international scholars expected to participated in 2013-2014 program

International Summer Research Scholars



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Scholars home institutions

Europe & UK

- University of Bergen
- Imperial College London
- University of Surrey
- University of Bordeaux
- Technical University of Munich
- University of Freiburg
- Wroclaw University of Technology
- University of Belgrade
- University of Valencia
- Kungliga Tekniska Högskolan
- ETH Zurich
- University of Amsterdam
- University College of Dublin



Latin America

- University of Mexico
- Universidad Católica del Norte
- Universidad de Antioquia
- La Molina National Agrarian University

North America

- McMaster Uni
- Vassar College
- UCLA (Berkley)
- Cornell University
- New Haven
- University of British Columbia

Oceania

- Auckland University of Technology
- Massey University New Zealand
- The University of Auckland
- University of Canterbury
- University of Otago
- Wellington NZ

Asia

- Tianjin University
- Graduate University of Chinese Academy of Sciences
- The University of Yantai
- IIT Madras
- Indian School of Mines
- National Institute of Technology
- PEC University of Technology
- University of Pune
- Vels University
- University of Indonesia
- Islamic Azad University
- Nanyang Technological University
- National University of Singapore



Support for international scholars

- \$1000 travel grant, in addition to \$3000 stipend
- Access to on-campus accommodation in residential colleges
- Welcome and induction for all scholars
- Access to UQ library resources
- Social and networking functions
- Research skills development training
- Online resources and Facebook site

Challenges and outcomes

Challenges

- Australian academic calendar
- Program budget
- Managing growth and maintaining balance

Outcomes

- Greater engagement with key partners
- New research and academic collaboration between staff
- Recruitment of international students into postgraduate coursework and research degrees
- New Winter Research Program to allow for a greater number of students to participate in research projects

Student Feedback

“I love it here that people are friendly and enjoy being outdoors, practicing sports, doing a barbecue, like at home. Here at UQ there is a big emphasis on team work and communication, and I find this very important.”

Philippe Pinho de Mello
Brazil
2012 Summer Scholar



Student Feedback

“UQ is very different to my home university. My favourite thing is that there is no gap between a lecturer and a student - they are very welcoming and helpful. I have learnt how my supervisor manages his time, his work, and his team to achieve the best results. This is very helpful for me because I want to be a lecturer and scientist in future.”

Merisa Bestari Faiz,
University of Indonesia
2012 Summer Scholar



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EuroScholars at Utrecht University

Caspar de Bok
Senior Policy Advisor (Internationalization / Research)
Utrecht University

Utrecht University at a glance

- Research intensive and comprehensive
- 7 Faculties, 6 Graduate Schools
- 2 Liberal Arts and Sciences honors colleges
- 50% master programs offered in English
- > 200 English taught undergraduate courses
- 30,000 enrollments, 6,250 1st year BA / 3,900 1st year MA
- > 2,700 international students / >130 nationalities
- > 1100 international exchange students
- > 2,000 PhD students / > 7,500 staff members
- Largest university summer school (> 2,500 students, > 130 courses)
- Rankings (ARWU/THE): world 52/67, Europe 12/18, national 1/2



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EuroScholars Consortium

- Leuven University, Belgium
- University of Amsterdam, Netherlands
- Leiden University, Netherlands
- Utrecht University, Netherlands
- Karolinska Institutet, Sweden
- Helsinki University, Finland
- Heidelberg University, Germany
- LMU, Munich, Germany
- University of Geneva, Switzerland
- University of Zurich, Switzerland
- Milan University, Italy



EuroScholars in a nutshell



EuroScholars is

- a new and innovative research-based undergraduate study abroad program
- for highly ambitious and talented North American students (GPA > 3.4)
- at top research intensive university in Europe
- tailor made flexible research oriented semester abroad
- covering (almost) all fields of academic research

EuroScholars offers students

- a unique perspective on field of research
- an experience on international research practices at an early stage
- a contribution to ongoing and topical research joint-publications
- international insight for academic maturity
- refinement of personal educational goals
- better decision making for further study

The perspective of Utrecht University

- 14 EuroScholars students / 11 universities / 11 supervisors
- New concept
- Undergraduate research in the curriculum
- No traditions
- Internal focus: information and sharing of experiences
- Developing procedures and processes
- Support (local and international)
- Added value, for who
- Success story, yes but....



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Facilitating Undergraduate Research Opportunities

Cynthia Banks, MS/Cert
CEO/Executive Director

GlobaLinks Learning Abroad – host of the EuroScholars
Undergraduate Research Opportunity



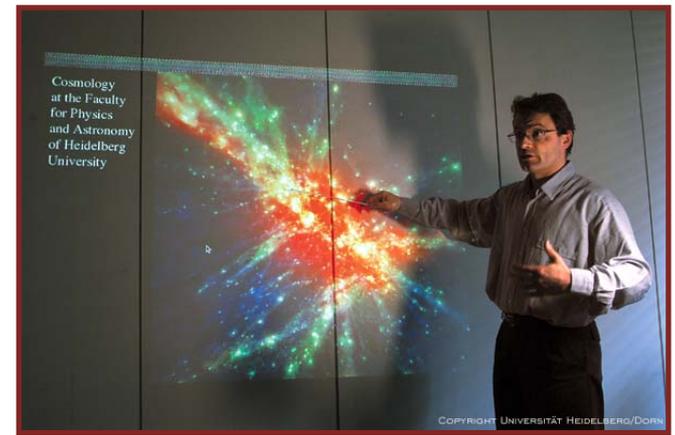
Understanding Student Expectations

- Similarity to study abroad/exchange
 - Location and language
 - Application
 - Credit Transfer
 - Housing
 - Onsite care
 - Travel and tourism
- Added Complexity
 - Very high caliber students
 - Research requirements and capabilities
 - Every placement is individual

Intended Outcomes

- Unique perspective on field of research
- International insight for student academic maturity
- Experience on international research practices at an early stage
- Refinement of personal educational goals
- Joint-publications
- Better decision making for further study

Study Program



- 6 ECTS: Language & Culture Course
- 6 ECTS: Course Work (Methods & Literature Review)
- 6 ECTS: Elective in the Field of Research
- 12 ECTS: Research Program (includes a write-up / presentation of 6 ECTS)

Total: 30 ECTS

Additional: 3-day European Mid-stay Program

ECTS = European Credit Transfer System

1 ECTS = 1/2 US Credit

Fields Of Research

Agricultural Science
American Studies
Ancient Studies
Behavioral Science
Biochemistry
Biomedical Sciences
Biology
Computer Science
Ecology



Engineering
Food Science
French Literature
Genetics
German Language
Historical Linguistics
History
(In)organic Chemistry
Law
Mathematics
Media Studies
Nanotechnology
Neuroscience
Physics & Astronomy
Psychology
Public Policy
Social Sciences
Zoology

Finding a Research Project

The screenshot shows the EuroScholars website in a Microsoft Internet Explorer browser window. The address bar displays <http://www.euroscholars.eu/index.htm>. The website header features the EuroScholars logo and the tagline "European Undergraduate Research Opportunities". A navigation menu includes "About Euroscholars", "Program Details", "Universities", "Request Information", and "Apply Now".

What is Euroscholars?
EuroScholars is a unique study abroad program for advanced students whereby students can conduct research at a high caliber institution while taking a language and culture class.
> [Read more](#)

For whom?
The EuroScholars program is targeted at highly talented students from the USA and Canada. These students are welcome to request more information on this innovative program.
> [Read more](#)

How to apply for a research project?
Select a research program of your choice from and fill our the application form. Then contact the project supervisor to discuss a match between your interest and the research project and sign the learning agreement.
> [Search project](#)

EuroScholars Newsletter
> Latest issue: [Spotlights on University of Zurich, University of Milan; Spring Deadline Oct. 15th](#)
> [Previous editions](#)
> [Subscribe/unsubscribe](#)

12 Research Universities
12 leading [European research universities](#) are participating as host institutions for the exceptional students in this program.


Ruprecht-Karls-Universität Heidelberg

Nobel prize winner (1982) Prof dr. Bengt Samuelsson, Karolinska Institutet:


"The Euroscholars Program offers unique possibilities for US students to experience European academic life by participating in education and research at universities of the highest standard. I have found that this kind of exposure to European science can have profound effects on the future career of US students."

The browser's taskbar shows several open applications, including "Inbox", "Weekly...", "Documen...", "Leiden S...", "Microsoft...", "J:\Depar...", "EuroSch...", and "EuroSch...". The system clock indicates the time is 15:24.

www.euroscholars.eu

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Research Project Example

Religion, Society, and Community in the United States from World War II to the Present

“This interdisciplinary research project is at the intersection of history, American studies, and the sociology of religion and will be directed by Professor Manfred Berg. The student will focus on topics as the development of neo-evangelicalism since World War II, the emergence of suicidal, deadly cults, and the Religious Right and the death penalty. We expect advanced undergraduate students with some background in the history and sociology of religion.”

University of Heidelberg, Germany

Key Administrative Considerations

- Early application deadlines
- Clarity among Student and Partner
- Being open to adjustments
- Respect
 - individual expectations
 - Respecting Faculty time
- Follow up



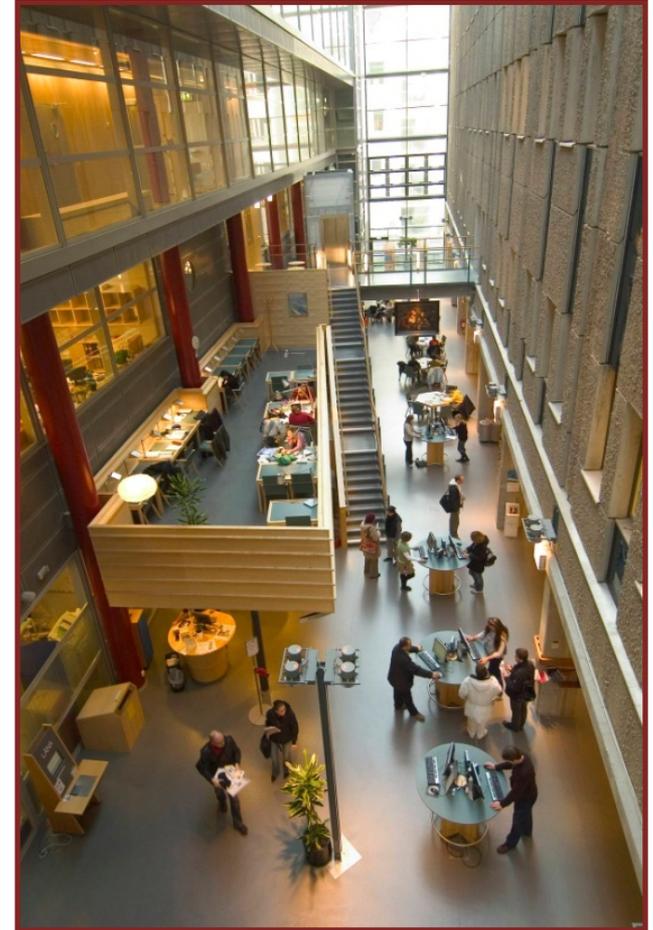
Start to Finish



- 30 minute phone call with every single EuroScholars applicant
 - Ensure they understand the nature of the program,
 - the ambiguity in the application process
 - and the importance of autonomy in the student
 -to ensure that the program is what they want it to be.
- Consultation with hosting Faculty
- Clarification with Home Institutions – research policies

Learning Agreement

- Four Parties involved:
 - home study abroad advisor,
 - student,
 - project supervisor &
 - host university
- Approval from both sides
- Basis for credit transfer



The On-Site Experience



- Housing on-campus or in city provided
- Integration key factor
- Ongoing monitoring by European Office
- Mid-stay program: mid-semester group experience for *EuroScholars*

MidStay Program



Munich Fall 2009



Zurich Fall 2009



Leiden Spring 2011



Zurich Fall 2011

EuroScholars come from:



Rutgers, The State Univ. of New Jersey, New Brunswick, NJ

Willamette University, Salem, OR

Case Western Reserve University, Cleveland, OH

University of Maryland, College Park, MD

Missouri State University, Springfield, MO

Washburn University School of Law, Topeka KS

University of Florida, Gainesville, FL

University of Manitoba, Winnipeg, Canada

University of Tulsa, Tulsa, OK

Mount Holyoke, South Hadley, MA

Clark University, Worcester, MA

Rensselaer Polytechnic Institute, Troy, NY

New York University, New York City, NY

University of Minnesota, Minneapolis, MN

Iowa State University, Ames, IA

University of Maine – Orono, Orono, ME

College of Notre Dame, Baltimore, MD

Penn State University, University Park, PA

Rhodes College, Memphis, TN

Ohio University, Athens, OH

University of Washington, Seattle, WA

Carnegie Mellon University, Pittsburg, PA

DePauw University, Greencastle, IN

Georgetown University, Washington DC

Hampshire College, Amherst, MA

Marietta College, Marietta, OH

University of California, Berkeley, CA

College of Charleston, Charleston, SC

Regis University, Denver, CO

Virginia Commonwealth U, Richmond, VA

University of Denver, Denver, CO

Coe College, Cedar Rapids, IA

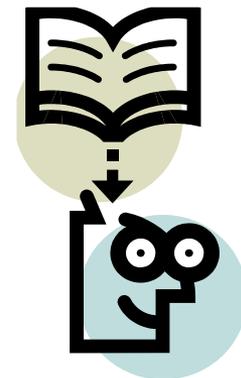
Quotes from Students

"I think my experience was positive because I was able to do so much hands-on lab work with good supervisors. The environment of the lab was fun and welcoming but also dedicated. I was interested in the subject matter and the project utilized a lot of different techniques."

"This was the most valuable academic semester I have ever had, and I cannot thank my advisor enough for everything that he did for my education".

"I am proud of my paper and feel as if I have had the most valuable academic semester of my college career".

EuroScholars Joint-Publications



- 2009: “ Physics Review Letters”(PRL): (De Dood-**Zandbergen**). Sander Zandbergen, Case Western U., (Leiden, Spring 2009) published with his RPS, Dr. Michiel de Dood.
- Spring 2010: "Monthly Notices of the Royal Astronomical Society". (Portegies-Brown-**Bean**) The article is partly based on the research done by Jennifer Bean from Missouri State U. (Leiden, Fall 2009).
- “Critical role for hyperpolarization-activated cyclic nucleotide-gated channel 2 in the AIF-mediated apoptosis.” The EMBO Journal of October 29, 2010, (Norberg, Karlsson, **Korenovska**, Szydlowski, Silberberg, Uhlén, Orrenius and Zhivotovsky). Olga Korenovska, Rutgers University N.J., (Karolinska Inst., Stockholm, Spring 2009), published with her RPS on the field of Cell Biology / Neuro Science.

EuroScholars Alumni



Working in The Hague at the TMC Asser Institute, a international legal research organization. and also an external PhD candidate at the University of Amsterdam.

Enrolled as external PhD candidate at the University of Amsterdam

Enrolled as Master's student in biotechnology at the University of Helsinki

Presented related research at conferences and at a TED talk

Completing PhD in psychology at Cambridge

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Undergraduate Research is the "new normal" in Study Abroad

To conclude

- Growing interest from students
- Various concepts
- New target groups
- Institutional options
- Not the standard
- Added value, especially for students
- Not for all
-

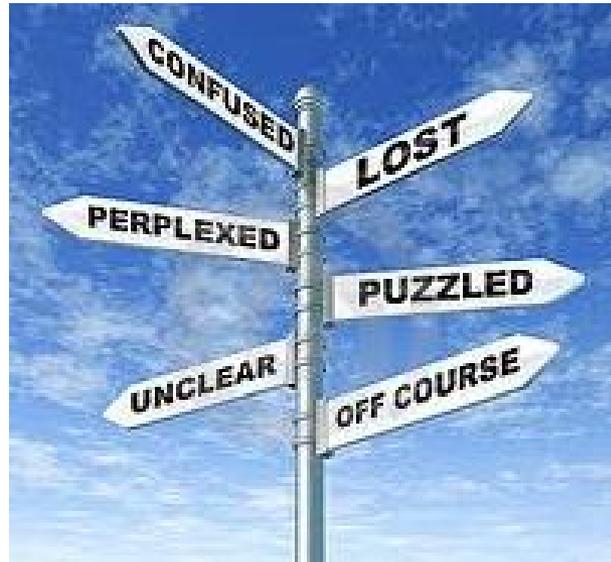


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Everything you still want to know (Q&A)



The floor is yours !