**University Signature Areas of Distinction**

- Science of Sustainable Earth Ecosystems
- Economic Growth and Social Progress
- Human Health and Wellness

**Basic Inquiry in Arts and Sciences**

*History & Mechanisms of Earth, Climate, & Ecosystem Change*
# Tenure-Track Geography Faculty

- **Larry Becker**
  - Assoc. Professor
  - Geog Undergrad Adviser
- **Hannah Gosnell**
  - Asst. Professor
- **Julia Jones**
  - Professor
  - Geography Program Director
  - IGERT Director
- **Michael Campana**
  - Professor
- **Anne Nolin**
  - Assoc. Professor
- **Aaron Wolf**
  - Professor
  - Chair of Department
- **Dawn Wright (on leave)**
  - Professor
  - Esri Chief Scientist
- **Bernard Jenny**
  - New Asst. Professor 2011-’12

**Tenure-track FTE in Geography = 8.0**

Geography & Geology faculty teach over 22,000 SCH annually, ~1000 SCH/staffer

We accomplish an incredible amount given our small numbers, ~half of normal-sized departments

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*Lancaster classified as Geology in Geosci LRP, but participates as a geographer when he can*
Other Geography Faculty

- 1 Program Dir/Fixed-Term Asst. Prof. (Mary Santelmann, directs WRGP at 0.25 FTE)
- 1 Program Developer/Director (Lynette de Silva,)
- 1 Assoc Program Dir/Fixed-Term Asst. Prof (Todd Jarvis, IWW at 0.5 FTE)
- 3 Fixed-Term Instructors (Steve Cook, Cub Kahn, Laurie Becker)
- 1 Faculty Research Asst./Leave-Replacement Instructor (Mark Meyers)
- 1 Senior Researcher/Postdoc (Helen Jenny)
- 1 Certificate Director (Kuuipo Walsh, E-Campus)
Selected Faculty Awards


- Nolin holds the Landolt et Cie Chair for Sustainable Futures, Federal Institute of Technology, Lausanne, Switzerland.

- Becker and Kimerling hold OSU Carter Awards for Outstanding and Inspirational Teaching in Science. Wright is a 2-time finalist.

- Kimerling, Wright, and Wolf hold OSU Milton Harris Awards in Basic Research.

- Kahn awarded the 2007 Vice-Provost and Directors Award for Outstanding Achievement in On-line Teaching Innovation.

- Meyers holds an OSU Outstanding Faculty Research Assistant Award.

- Wright named 2007 U.S. Professor of the Year for the State of Oregon by CASE/Carnegie Foundation and is a AAAS Fellow.
Selected National / International Service

• Campana, Jones, Nolin, and Wright currently serving on various committees for the National Academy of Science (and Wright serves also on the National Ocean Studies Board).

• Nolin serving on the American Geophysical Union Council and as Focus Group Chair of Cryosphere Sciences.

• Nolin serving on various NASA committees and as an expert reviewer for reports of the Intergovernmental Panel on Climate Change (IPCC).

• Jones consistently serves on NSF review panels and is a longstanding co-PI of the H.J. Andrews Experimental Forest, one of 26 U.S. Long Term Ecological Research (LTER) network sites.

• Wright chaired National Research Committee of the 80+-member University Consortium for Geographic Information Science (UCGIS).

• Wolf serves as consultant to the U.S. Department of State, the U.S. Agency for International Development, and the World Bank.
University Advancement

• Wolf featured on stage at the kickoff launch event for the $6 million Campaign for OSU, October 2007.

• Wolf and Wright featured on Capital Campaign and general OSU Advancement banners.

• Gosnell invited to follow OSU President Ray on Sat night program of 2008 President's Weekend (OSU alumni fundraising event) in Sunriver, and helped lead a tour around Bend for the alumni during the day.

• Gosnell recently helped Anne Ruggiero recruit a donor (a wealthy zoology alum from the Bay Area), who has since donated $30,000 to the Geography program to hire grad students for work in "rural sustainability" in the American West.

• Nolin featured in the 2006 OSU President's Report.
OSU Strategic (Provost’s) Initiatives

OSU invested $2 million annually for up to 5 years in six interdisciplinary initiatives that leverage existing strengths and potential to advance science and external funding.

Of these SIX initiatives, geographers either lead or play critical roles in THREE of them …

- Computation and Genome Biology
- Ecosystem Informatics
- Healthy Aging
- Subsurface Biosphere
- Sustainable Rural Communities
- Water and Watersheds
OSU Strategic (Provost’s) Initiatives

• "Ecosystem Informatics: Mathematics, Computer Science and Ecology"
  – led by Jones and involving Wright, Santelmann + geologists

• "Sustainable Rural Communities"
  – Assisted in hire of Gosnell
  – Gosnell plays critical role

• "Water and Watersheds"
  – strong participation or leadership from Wolf, Haggerty, Nolin, Santelmann, Jones, Gosnell, Daly + other geoscientists
Majors

Current # of undergrad geography majors: 49

Need to graduate 20 students per yr

Current # of grad advisees: 34 Geography, 13 Water Resources, 1 Env Science

Last year’s class very small: 4 Geog, 4 WR, 1 EnvSci

Next year’s class thus far will be: 13 Geog, 10 WR

Need to graduate 5 MS/2 PhD students per yr
Programs/Certificates

Total # of Water Resources Grad majors: 48

Certificates in Geographic Information Science:
  Undergrad: 34 (12 recently completed)
  Grad: 29 (10 recently completed)

New Online Grad/Professional: 27 (50 by Fall 2010)

Certificates in Water Conflict Management & Transformation
  Graduate: 13 (5 recently completed - first year of program)
  Online Grad/Professional: 10
Water Resources Graduate Program

Geoscientists are the heart and soul of this program which brings together students and faculty from 6 OSU colleges and several departments*

- M.S. and Ph.D.s in WATER RESOURCES SCIENCE, WATER RESOURCES POLICY & MGMT, WATER RESOURCES ENGINEERING
- Attracts excellent students (GPA 3.6, GRE V 537, GRE Q 667)
- OSU now “the best place in the world to study water.”
- New concurrent MS-JD program with U of O

*Bio/Eco Engr, Civil Engr, Forest Engr, Sociology, Poli Sci
IGERT Doctoral Fellowships in Ecosystem Informatics (EI)

Geography leads ONE of TWO IGERTs at OSU
Lead PI Julia Jones, $3.9 million program

- NSF-funded fellowships attracted top doctoral students nationwide
- EI also available as a graduate minor to other students
- Very interdisciplinary, involving Geography, Forest Science, Math, Computer Science, Biological & Ecological Engineering, and more…
**WHAT IS "GISCIENCE"?**

**Geographic information science** (GIScience) includes the existing technologies and research areas of geographic information systems (GIS), cartography, remote sensing, photogrammetry, and surveying (also termed **geomatics** in the U.S.). GIScience therefore addresses fundamental issues in the use of digital technology to handle geographic information; namely, information about places, activities, and phenomena on and near the surface of the Earth that are stored in maps or images.

GIScience includes questions of data structures, analysis, accuracy, meaning, cognition, visualization, and many more, and thus overlaps with the domains of many traditional disciplines (e.g., earth science, mathematics, computer science, physics, cognitive science, and ethics). However, GIScience is not central to any of these, representing instead a new kind of scientific collaborative that is defined by researchers from many distinct backgrounds working together on particular sets of interrelated problems.
The Graduate Certificate in Water Conflict Management and Transformation

The Graduate Certificate in Water Conflict Management and Transformation is designed to provide decision-makers, graduate students and water professionals with the required specialized resources and skills that go beyond the traditional physical systems approach to water resources management. It will explicitly integrate human, policy and scientific dimensions of water resources within the framework of governance and sustainability.

This 18-credit graduate certificate provides in-depth skills-building training to enhance personal and institutional capacity in water governance issues and strategies across distinct and overlapping contexts: Water Governance, Water and Ecosystems, Water and Society, and Water and Economics.

Learn more about the about the Certificate.

See a list of water conflict-related courses at OSU.

Collaborative Facilitations and Skills-Building Workshops

Program affiliated faculty have designed and implemented a broad spectrum of applied activities in the Western U.S. and throughout the world, including: facilitations and mediations between stakeholders at both the transnational and international levels; skills-building workshops and training courses for graduate students and professionals from mid-career through the ministerial level; and collaborative learning processes in which stakeholders develop conflict management skills while enhancing dialog on current issues of dispute.

Program faculty regularly speaks to and consults with corporations, governments, communities, universities, and non-government organizations.
Recent Student Recognition Outside the Department

• Tyler Rockey, undergrad senior, presented undergraduatte thesis research at the OSU Celebrating Undergraduate Excellence event, U. Honors College

• Dylan Keon, doctoral student won a $10,000 Northwest Academic Computing Consortium grant for a proposal on his doctoral project.

• Kathleen Miles, doctoral student, received a Consortium of Universities for the Advancement of Hydrologic Sciences (CUAHSI) Pathfinder Fellowship.

• Biniam Iyob, doctoral student, was featured in the H2OSU newsletter of the OSU Institute for Water & Watersheds.

• Kyle Hogrefe, former M.S. student, remains the only M.S. student to have won the national AAG Honors Competition for Student Papers in GIScience.